Course Descriptions

**Numbering System** Each course in the curriculum is defined by an alphabetical prefix and a 3-digit number. The 3-digit number indicates the level of study: 100- and 200-level courses are lower division; 300- and 400-level courses are upper division; 500-, 600-, and 700-level courses are graduate courses.

When a W is added to the end of the course number, this means that the course will satisfy the Writing Requirement. However, not all sections of courses with a W meet the writing requirement. Refer to the schedule of classes to see which sections of the course are designated as W.

**000-level course designation** Developmental courses for ESL students; placement determined by testing of entering students.

**100-level course designation** Courses with no prerequisites, survey courses or courses defining basic concepts and presenting the terminology of a discipline.

**200-level course designation** Courses of intermediate college-level difficulty, courses with 100-level course(s) as prerequisite(s) or survey courses devoted to particular areas or fields within a discipline.

**300-level course designation** Courses of advanced college-level difficulty taken by majors and upper-division students; these are often considered to be courses in the major, offered for students clearly interested in and qualified in the subject.

**400-level course designation** Advanced upper-division courses and/or seminars, tutorials and honors courses for majors and upperdivision students.
Alphabetical Prefixes The following prefixes are used, preceding the 3-digit number, to designate the field of study. They are listed here alphabetically, with the department or program and field to which they pertain. Specific departments and programs appear alphabetically in the table of contents, the index and the HEGIS Code section.

Africana and Puerto Rican/Latino Studies

AFPRL 10000 - Introduction to Black Politics

General survey of politics of African world with major emphasis on politics in Black America.

GER 2/B PD/B
3 hrs 3 cr

AFPRL 10100 - Introduction to Africana Studies

Introduction to the history and culture of Africa and the African diaspora.

GER 2/B PD/A or B
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AFPRL 10200 - Latino Communities in the United States

GER 2/B PD/B
Migration, ethnicity, community life and public policy issues of Latino groups compared to the Puerto Rican experience.
3 hrs 3 cr.

AFPRL 10300 - Conquest and Resistance: Puerto Rican Experiences in Comparative Perspective

GER 2/B PD/B
Introductory study of the Puerto Rican experience compared with experiences of Native and African Americans, Chicanos and Pacific Island peoples in the territorial expansion of the United States.
3 hrs 3 cr.

AFPRL 14100 - Puerto Rican Folklore

GER 2/C PD/A or B
Study of Puerto Rican folklore: traditional beliefs, legends, religious rites and typical music.
3 hrs 3 cr.

AFPRL 14300 - The Image of the Puerto Rican National Identity in Its Literature
PD/A
Analysis of literary works of Puerto Rican authors and their images of Puerto Rican society.
prereq: ENGL 12000 and reading knowledge of Spanish
3 hrs3 cr.
offered fall only

AFPRL 20100 - African History from Human Origins to 1600 CE

GER 2/B PD/A
African history from ancient times with emphasis on endogenous African development of civilizations and complex economic, technological and cultural systems over time.
3 hrs3 cr.

AFPRL 20200 - African History Since 1600 CE

GER 2/B PD/A
Main currents of African history from 1600 CE to present
3 hrs3 cr.

AFPRL 20300 - African American History I

GER 2/B PD/B
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.
3 hrs3 cr.

AFPRL 20400 - African American History II

GER 2/B PD/B
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.
3 hrs3 cr.

AFPRL 20500 - African American Politics of Social Change

GER 2B PD/B
The Civil Rights Movement and social change in U.S. Since 1954.
3 hrs3 cr.

AFPRL 20600 - African Political and Social Change

PD/A
Introductory study of political and social change in Africa during the second half of the 20th century.
3 hrs3 cr.

AFPRL 20700 - African Caribbean Politics I

PD/A
Examines political economy of slavery and colonialism and responses of Caribbean people from 1492 to political independence.
3 hrs3 cr.
AFPRL 20800 - African Caribbean Politics II

PD/A
Begins with attainment of political independence by major Caribbean countries; focuses on nation building.
prereq: AFPRL 20700
3 hrs3 cr.

AFPRL 20900 - Introduction to Caribbean History to 1900

GER 2/B PD/A
Introduction to the major themes in Caribbean history to 1900.
prereq: ENGL 12000
3 hrs3 cr.

AFPRL 21000 - Introduction to Caribbean History: 1900 - Present

GER 2/B PD/A
Introduction to the major themes in Caribbean history after 1900.
prereq: ENGL 12000
3 hrs3 cr.

AFPRL 21100 - Black Economic History

Survey of economic behavior of Black Americans since 1619, with African background.
3 hrs3 cr.

AFPRL 22000 - African Spirituality in the Diaspora

GER 2/C PD/A or B
The nature and expressions of the spiritual ethos enabling the survival of classical African human values in dehumanizing circumstances during and after enslavement in North America, South America and the Caribbean.
3 hrs3 cr.

AFPRL 22200 - African Civilization

GER 2/C PD/A
Introduction to study of African civilization.
3 hrs3 cr.

AFPRL 23500 - African Literature (W)

GER 2/A PD/A
Introduction to contemporary African literature originally written in English. The course is conducted in English; all course requirements are in English.
prereq: ENGL 12000
3 hrs3 cr.

AFPRL 23600 - African American Literature (W)
GER 2/A PD/B
Introduction to African American writing, from earliest expressions to present.
prereq: ENGL 12000
3 hrs3 cr.

AFPRL 23700 - African Caribbean Literature (W)

GER 2/A PD/A or B
Introduction to the historical development and major artistic preoccupations of Caribbean literature. The course is conducted in English; all course requirements are in English.
prereq: ENGL 12000
3 hrs3 cr.

AFPRL 23800 - Introduction to the Literature of the African Diaspora (W)

Introduction to a cross-section of texts that contribute to the creation and development of an African Diaspora literary tradition.

GER 2/A PD/A or B
prereq: ENGL 12000
3 hrs3 cr

AFPRL 24100 - Puerto Rican History to 1897

GER 2/B PD/A
An examination of Taino society, Spanish colonialism, slave economy and the development of nationhood in the 19th century.
3 hrs3 cr.

AFPRL 24200 - Puerto Rican History Since 1898

GER 2/B PD/A
Sociohistorical, political and economic analysis of Puerto Rico dating from the U.S. invasion to the present.
3 hrs3 cr.

AFPRL 24300 - Puerto Rican Culture

GER 2/C PD/A or B
General study of Puerto Rican culture and ethnic mixtures that went into making of that culture.
3 hrs3 cr.

AFPRL 24400 - Puerto Ricans in the United States

GER 2/B PD/B
Survey of the origins, contemporary and future development of Puerto Ricans in the United States.
3 hrs3 cr.

AFPRL 24500 - Puerto Rican Literature I
PD/A
Analysis of the emergence and development of the various literary genres which surfaced during the 19th century in the literature of Puerto Rico. Discussion and analysis of major 19th century Puerto Rican authors (Hostos, Tapia and Zeno Gandia).
prereq: SPAN 20200 or equiv. or perm instr.
3 hrs 3 cr.

AFPRL 24600 - Puerto Rican Literature II

PD/A
Discussion and analysis of the literary and cultural evolution of Puerto Rico viewed through the works of key 20th century authors. Literary production from the 1960s onwards is emphasized.
prereq: SPAN 20200 or equiv. or perm instr.
3 hrs 3 cr.

AFPRL 24700 - Puerto Ricans in the U.S. as a Literary Theme

Analysis of literary texts dealing with Puerto Rican communities in U.S. and their migration experiences.
prereq: ENGL 12000 and reading knowledge of Spanish
3 hrs 3 cr.

AFPRL 25500 - Puerto Rican/Latino Children in North American Schools

PD/B
Survey of educational system viewed as an acculturating institution.
3 hrs 3 cr.

AFPRL 27000 - Economic History of Puerto Ricans

Stages of change in economic structures and labor conditions among Puerto Ricans in Puerto Rico and the U.S.
prereq: AFPRL 24200 or 24400
3 hrs 3 cr.

AFPRL 28100 - Fieldwork in African American/Latino Communities

Fieldwork involvement and sociopolitical analysis of a community organization in the Black and/or Puerto Rican/Latino communities.
Course open to Majors and Minors Only
3 hrs 3 cr. each

AFPRL 29000 - Selected Topics in Africana and Puerto Rican/Latino Studies

PD/A or B
Topics change according to instructor.
3 hrs 3 cr.

AFPRL 30400 - Leaders and Movements of Black Urban Communities (W)

GER 3/B PD/B
Personalities and movements that have influenced Black communities of U.S.; focuses mainly on 20th century.
prereq: AFPRL 20300 or 20400 or 20500
3 hrs3 cr.

**AFPRL 30600 - Modern African International Relations (W)**

GER 3/B PD/A
Factors affecting relations among African states and between African and non-African states within international system.
prereq: AFPRL 20600 or perm instr.
3 hrs3 cr.

**AFPRL 30700 - Contemporary African Politics (W)**

GER 3/B
Study of post-independence nationalism, political systems, regional and inter-nation cooperation of African nations.
prereq: AFPRL 20600 or perm instr.
3 hrs3 cr.

**AFPRL 30800 - Contemporary International Relations of the African-Caribbean (W)**

GER 3/B
Examination of the use of foreign policy for economic development in the Caribbean and as an instrument of transformation.
prereq: AFPRL 20700 or 21000 or perm instr.
3 hrs3 cr.

**AFPRL 30900 - African-Americans and Africa (W)**

GER 3/B PD/A or B
Major evidence of Black American involvement and interest in Africa from 1775 to present.
prereq: AFPRL 20300 or 20400
3 hrs3 cr.

**AFPRL 31000 - Modern Nigeria (W)**

GER 3/B
Detailed study of the historical development of modern Nigeria from the late 19th century to the present.
prereq: perm instr.
3 hrs3 cr.

**AFPRL 31300 - Slavery (W)**

GER 3/B PD/A or B
Historical overview of slavery from Africa to the Americas.
prereq: AFPRL 20300 or 20900 or perm instr.
3 hrs3 cr.

**AFPRL 31800 - Women in Africa (W)**
GER 3/B PD/C
Examination of African womanhood in traditional setting during colonialism and neo-colonialism, independence and revolution.
cross-listed WGS 31800 (A Writing-intensive Course)
prereq: AFPRL 20200 or 22200 or perm instr.
3 hrs3 cr.

AFPRL 31900 - Women in the African Diaspora (W)

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance and in sustaining African culture and values.
cross-listed WGS 32900 (W)
prereq: AFPRL 20400 or 20900 or 21000 or perm instr.
3 hrs3 cr.

AFPRL 32000 - African-Caribbean Culture (W)

GER 3/A PD/A or B
prereq: AFPRL 20900 or 21000 or 22200
3 hrs3 cr.

AFPRL 32100 - Caribbean Migration and New York City (W)

GER 3/B PD/A or B
An historical examination of the lives of Caribbean immigrants in New York City from the causes for emigration to the development of an ethnic community in the City.

prereq: ENGL 12000; AFPRL 20700, 20800, 20900, 21000, 30700 or 30800
3 hrs3 cr

AFPRL 33600 - African-American Women Writers (W)

GER 3/A PD/C
African-American female authors from slavery to present: novels, short stories, essays, plays, poetry, teenage fiction and children's books.
cross-listed WGS 33600 (W)
prereq: AFPRL 23600 or perm instr.
3 hrs3 cr.

AFPRL 33700 - Caribbean Women Writers (W)

GER 3/A
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, creolization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.
cross-listed WGS 33700 (W)
prereq: AFPRL 23600 or 23700 or ENGL 22000 or WGS 10000
3 hrs3 cr.
AFPRL 34200 - Political Nationalism in Puerto Rico (W)

GER 3/B PD/A
Nationalist ideology in Puerto Rico: its impact on contemporary political movements and economy. 
*prereq: AFPRL 24200 or perm instr.*  
3 hrs 3 cr.

AFPRL 35100 - Major Puerto Rican Figures (W)

GER 3/B PD/A or B  
Theorists, poets and statesmen in formation of Puerto Rican nationality.  
*prereq: AFPRL 14300 or 24200 or 24300*  
3 hrs 3 cr.

AFPRL 35200 - Power Structure in Puerto Rico (W)

GER 3/B  
Social analysis of class divisions, role of the economy and the United States presence in Puerto Rico.  
*prereq: AFPRL 24300 or 27000*  
3 hrs 3 cr.

AFPRL 35500 - The African Image in 19th and 20th century Spanish Antillean Poetry (W)

GER 3/A PD/A  
The portrayal of the African image in Spanish Antillean poetry seen through the work and poetic trends of its major exponents.  
*prereq: AFPRL 14300 or SPAN 20800, reading knowledge of Spanish*  
3 hrs 3 cr.

AFPRL 35600 - Latino Literature in English (W)

GER 3/A PD/B  
Latino writing in English in the U.S.; analysis of cultural, linguistic and ideological factors as found in the work of such authors as Sandra Cisneros (Chicana), Pedro Pietri (Puerto Rican) and Oscar Hijuelos (Cuban-American).  
3 hrs 3 cr.

AFPRL 36000 - Politics in Puerto Rico (W)

GER 3/B  
Analysis of the political status issue, development of political parties, national leadership and participation.  
*prereq: AFPRL 24200 or 34200 or perm instr.*  
3 hrs 3 cr.

AFPRL 36200 - Puerto Rican and Caribbean Religious Practices (W)

GER 3/A PD/A or B  
Reading knowledge of Spanish suggested. Analysis of roots of folk religion in Indian, African and Spanish cultures. Religious syncretisms, popular imagery and ritual practices.
prereq: AFPRL 14100 or 24300
3 hrs3 cr.

**AFPRL 38400 - Poverty in Society (W)**

GER 3/B
Causes and effects of deprivation, with emphasis on policy and program approaches for African Americans and Puerto Ricans/Latinos.
prereq: successful completion of any 2 AFPRL courses
3 hrs3 cr.

**AFPRL 38700 - Puerto Rican/Latino Politics in the United States (W)**

GER 3/B PD/B
An analysis of the political participation and leadership of Puerto Ricans and other Latinos in the United States.
prereq: either AFPRL 10200, 24200 or 24400 or perm. Instr.
3 hrs3 cr.

**AFPRL 39000 - Research Topics in Africana and Puerto Rican/Latino Studies (W)**

GER 3/A or B
Topics change according to instructor.
Open to Jr/Sr only.
3 hrs3 cr.

**AFPRL 42800 - Selected Topics in Africana and Puerto Rican/Latino Studies: Social Science**

GER 3/B PD/B
Topics change according to instructor.
Pluralism and diversity requirements are dependent on the topic course.
prereq: perm dept.
3 hrs3 cr.

**AFPRL 42863 - Afro-Latino Culture and History**

GER 3/B PD/A
3 hrs3 cr.

**AFPRL 44500 - Caribbean Short Story in Spanish: Readings and Theories**

GER 3/A
A critical study of the short story genre in the Hispanic Caribbean viewed in conjunction with contemporary literary theory.
prereq or coreq: SPAN 20800
3 hrs3 cr.

**AFPRL 49900 - Honors**
Individual research and 30 page honors essay based on assigned theme under supervision of a full-time AFPRL faculty member.

*prereq:* completion of 24 AFPRL credits including three 300/400 level courses; only open to AFPRL upper seniors with 3.5 major GPA and 3.0 cumulative GPA.

3 hrs 3 cr.

**Africana and Puerto Rican/Latino Studies: Courses Less Frequently Offered**

**AFPRL 18100 - Language and Ethnic Identity**

**AFPRL 18200 - Culture and Ethnic Identity**

**AFPRL 24800 - Caribbean Spanish**

**AFPRL 27600 - The Puerto Rican Family**

**AFPRL 31400 - Blacks in Labor and Politics (W)**

**GER 3/B**

Black labor from emancipation to present. Emphasis on period between New Deal and present.

*prereq:* AFPRL 20400 or 20500 or perm instr.

3 hrs 3 cr.

**AFPRL 32200 - African World View: Philosophy and Symbolic Thought (W)**

**GER 3/A PD/A**

Examination of African religious systems, metaphysical conceptions and philosophy.

*prereq:* AFPRL 22200 or perm instr.

3 hrs 3 cr.

*offered every other sem.*

**AFPRL 32300 - Islam and Christianity in Africa (W)**

**GER 3/A**

Examination of relationship of Islam and Christianity to primary African religion and their political role in African history.

*prereq:* AFPRL 201 or 202 or 222 or perm instr.

3 hrs 3 cr.

**AFPRL 32400 - African-American Ethnohistory (W)**

Ethnohistorical survey of development of Black culture in the diaspora; reinterpretation of African forms in Western European environment.

*prereq:* AFPRL 22000 or perm instr.

3 hrs 3 cr.
**AFPRL 33000 - Autobiography as a Theme in Black Literature (W)**

GER 3/A
Treatment of autobiographical works of Black authors in U.S., Caribbean and Africa during 19th and 20th centuries.
*prereq: AFPRL 23600 or perm instr*
3 hrs3 cr.

**AFPRL 37000 - Sociolinguistic Fieldwork in Black and Puerto Rican/Latino Speech Communities (W)**

GER 3/B
Sociolinguistic theory applied to linguistic varieties spoken in African American, African-Caribbean, Puerto Rican and other Latino communities.
*prereq: AFPRL 18100 or ANTHC 15100*
3 hrs3 cr.

**AFPRL 40100 - Pan-Africanism**

GER 3/B
Seminar traces development of Pan-Africanism through the 20th century.
*Not open to freshmen.*
*prereq: AFPRL 20200 or 20400 or 20600*
3 hrs3 cr.

**AFPRL 40200 - African American Political Thought**

GER 3/B
Comparative theorists; methods and ideological currents.
*prereq: AFPRL 20300 or 20400 or 20500*
3 hrs3 cr.

**AFPRL 40300 - Development Strategies in the African-Caribbean**

GER 3/B
Analysis of developmental strategies used by Caribbean nations after independence.
*prereq: AFPRL 20700 or 20800 or 20900 or 21000 or perm instr.*
3 hrs3 cr.

**AFPRL 42000 - The Black Church and Social Change**

GER 3/B
In-depth study of the sociopolitical role of Black church in political struggle of Black people with special emphasis on America.
*prereq: AFPRL 20300 or 20400 or 20500 or perm instr.*
3 hrs3 cr.

**AFPRL 44200 - History of Puerto Rican Labor Movements**

GER 3/B
Historical development of Puerto Rican working class, its movements and organizations from 19th century to present.
prereq: AFPR 24200 or 27000
3 hrs3 cr.

Anthropology: Archaeology

ANTHC 12600 - Introduction to Prehistoric Archaeology

GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs3 cr.
offered every sem.

ANTHC 12700 - Introduction to Archaeological Techniques

Strategies of data collection; determination of age of deposits, environmental reconstruction, examination of artifacts.
prereq: ANTHC 12600 or perm instr.
3 hrs3 cr.

ANTHC 22600 - Archaeology of Africa

GER 3/B PD/A
Prehistory; origins, adaptations, cultural evolution of early hominids; origins of agriculture, early complex societies.
prereq: ANTHC 12600 or perm instr.
3 hrs3 cr.

ANTHC 22700 - Archaeology of Europe

GER 3/B PD/D
Prehistory; early hunting and gathering adaptations, beginnings of sedentary village life, development of complex societies.
prereq: ANTHC 12600 or perm instr.
3 hrs3 cr.

ANTHC 22800 - Archaeology of the Near East to 2000 BC

GER 3/B PD/A
Sociocultural development of Near East from early hunter-gatherers to first states and empires.
prereq: ANTHC 12600 or perm instr.
3 hrs3 cr.

ANTHC 23000 - Prehistory of North American Indians

GER 3/B
Examination of adaptation and change in prehistoric cultural systems, employing archaeological and ethnohistorical sources.
prereq: ANTHC 12600 or perm instr.
3 hrs3 cr.
ANTHC 23100 - Archaeology of Mesoamerica

GER 3/B
Sociocultural development from early hunter-gatherers to first pre-Hispanic states and empires. 

*prereq: ANTHC 12600 or perm instr.*

3 hrs 3 cr.

ANTHC 23200 - Archaeology of South America and the Caribbean

GER 3/B
Sociocultural development from early hunter-gatherers to first pre-Hispanic states and empires. 

*prereq: ANTHC 12600 or perm instr.*

3 hrs 3 cr.

ANTHC 32600 - Rise of Old and New World Civilizations

GER 3/B
Theoretical and empirical examination of development of urbanism and state, in the Old and New Worlds. 

*prereq: ANTHC 12600 or perm instr.*

3 hrs 3 cr.

ANTHC 32700 - Prehistoric Cultural Ecology

GER 3/B
Survey of selected problems in human evolution and adaptation from an ecological perspective. 

*prereq: ANTHC 12600 or perm instr.*

3 hrs 3 cr.

ANTHC 34600 - Analytic Methods in Archaeology

GER 3/B
Theory and methods of analysis of materials recovered from archaeological excavations and surveys. 

*prereq: ANTHC 12600 or perm instr.*

5 hrs (3 hrs lec, 2 lab) 4 cr.

ANTHC 42600 - Seminar in Archaeological Field Methods

Introduction to field methods and techniques in survey and excavation; involves weekend fieldwork on nearby sites. Depending on topic, may meet PD/B or D. 

*prereq: ANTHC 12600 or perm instr.*

3 hrs 3 cr.

Anthropology: Biological Anthropology, Genetics and Paleontology

ANTHP 10100 - Human Evolution
GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.

6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

ANTHP 10200 - Human Variation

GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.

6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

ANTHP 21400 - Theory of Evolution

History of and major debates in evolutionary theory, with particular emphasis on human evolution.

prereq: ANTHP 10100, 10200, or equiv.
3 hrs 3 cr.

ANTHP 30100 - Human Fossil Record

GER 3/B PD/C
The hominid fossil record of Africa, Asia and Europe. Human evolution as evidenced in fossil record.

prereq: ANTHP 10100, 10200, or equiv.
3 hrs 3 cr.

ANTHP 30200 - Human Genetics

Analysis of distribution of contemporary human populations and microevolutionary processes that underlie human variability

prereq: ANTHP 10100, 10200, or BIOL 10200
3 hrs 3 cr.

ANTHP 31000 - Primate Ecology and Behavior

GER 3/B
Examination of ecological factors responsible for the distribution and behavior of living primate species.

prereq: ANTHP 10100 or 10200 or BIOL 10000 or 10200
3 hrs 3 cr.

ANTHP 31100 - Primate Evolution

GER 3/B
Evolution of primate behavior and morphology; interdependence of ecology, behavior and morphology.

prereq: ANTHP 10100 or perm instr.
3 hrs 3 cr.

ANTHP 31200 - Primate Evolutionary Genetics
Examines evolutionary relationships, social behavior, natural selection, disease, population history, demography, medicine and genomics. This course draws on readings from the primary literature.

**prereq:** ANTHP 10100 or ANTHP 10200 or BIOL 10200

3 hrs 3 cr.

**ANTHP 31600 - Human Evolutionary Adaptations**

GER 3/B
Studies adaptive significance of distinctive biological features of human species, including brain size, secondary sexual characteristics, sparse body hair and use of complex language.

**prereq:** ANTHP 10100 or 10200 or BIOL 10000 or 10200

3 hrs 3 cr.

**ANTHP 40100 - Seminars in Selected Topics**

Course provides in-depth study of specific topics in field of physical anthropology.

**prereq:** prereq; depends on topic

3 hrs 3 cr.

**Anthropology: Cultural Anthropology and Ethnology**

**ANTHC 10100 - Introduction to Cultural Anthropology**

GER 2/B PD/A
Comparative and historical examination of the human condition through a focus on diverse responses to universal problems, such as making a living, resolving conflict, organizing family/kin relations and finding meaning in the world.

3 hrs 3 cr.

*offered every sem.*

**ANTHC 20000 - Africa: Societies and Cultures**

GER 3/B PD/A
Pre-colonial, colonial and contemporary communities, subsistence and exchange systems and ecological adaptations.

3 hrs 3 cr.

**ANTHC 20100 - The Middle East: Societies and Cultures**

GER 3/B PD/A
Peasant, nomadic and urban society; kinship, ethnic, religious and ecological diversity; colonialism and modernization.

3 hrs 3 cr.

**ANTHC 20400 - East Asia: Societies and Cultures**

GER 3/B PD/A
Historical and regional variation in various East Asian societies, with a focus on political economy, family, kinship, community and national minorities.

3 hrs 3 cr.
ANTHC 21100 - Native North America: Societies and Cultures

GER 3/B PD/A or B
Adaptive strategies and cultural variations in pre and post-contact periods; problems in contemporary societies.
3 hrs 3 cr.

ANTHC 21300 - Latin America: Societies and Cultures

GER 3/B PD/A
Development and organization of tropical forest Indians, hacienda and plantation economies, peasant and urban societies.
3 hrs 3 cr.

ANTHC 21400 - The Caribbean: Societies and Cultures

GER 3/B PD/A
Indigenous peoples, colonization and slavery; minorities, race relations; family life, religion and economy.
3 hrs 3 cr.

ANTHC 21500 - The Anthropology of Black America (W)

GER 3/B PD/B
Examines anthropological knowledge about Black America and the various socio-political contexts in which this body of scholarship has been produced. Focuses on the politics of knowledge production on Black culture.
prereq: ENGL 12000
3 hrs 3 cr.

ANTHC 21800 - The Anthropology of the Civil Rights Movement in the U.S.

GER 3/B PD/B
This course examines the grassroots struggle to gain equality and justice in the United States, viewed as a social protest movement, from the perspective of cultural anthropology. The course will focus on the major events, themes and issues of the Civil Rights Movement and examine their effect in challenging the American concept of democracy; in changing those who participated in it; and in spawning other social movements that transformed American society and culture.
prereq: ANTHC 101 or departmental permissionprereq or coreq: ENG 120
3 hours 3 credits

ANTHC 27500 - Reading Ethnographies (W)

GER 3/B
Examines the most significant mode of writing within cultural anthropology: the ethnography. Students explore interpretive, theoretical and political issues in the representation of cultures through close reading and analysis of ethnographic texts.
prereq: ANTHC 10100 or perm instr.prereq or coreq: ENGL 12000
3 hrs 3 cr.

ANTHC 30100 - Gender in Anthropological Perspective
GER 3/B PD/C
Men and women in different societies, division of labor, socialization, stratification, political activism and gender construction.
cross-listed WGS 30100
prereq: ANTHC 10100 or perm instr.
3 hrs3 cr.

ANTHC 30600 - Folklore and Myth

GER 3/B
Cultural and psychological functions and symbolic meanings.
3 hours3 credits

ANTHC 30700 - Anthropology of Religion

GER 3/B PD/A
Emphasis on non-Western societies; theories of religion, magic; functions and symbolic meaning.
3 hrs3 cr.

ANTHC 30800 - Human Ecology

GER 3/B PD/A
Relationship between human populations and environment; ecosystems, population interactions, resource management and environmental movements.
prereq: ANTHC 10100 or perm instr.
3 hrs3 cr.

ANTHC 30900 - Countryside and City: Comparative Perspectives

Rural-urban connections and the transformations that affect rural areas and peoples in diverse parts of the world.
prereq: ANTHC 10100 or perm instr.
3 hrs3 cr.

ANTHC 31000 - Politics and Power in Anthropological Perspective

GER 3/B PD/A
Leadership, conflict, inequality, decision-making and law in different societies; interaction of local politics with state and global institutions.
prereq: ANTHC 10100 or perm instr.
3 hrs3 cr.

ANTHC 31100 - Anthropology of Art

GER 3/B
Symbolic forms of human behavior; paleolithic cave art, tribal art, ethnomusicology.
3 hrs3 cr.

ANTHC 31200 - Anthropological Approaches to Sexuality
GER 3/B PD/C
Documents the social construction of human sexuality through an examination of sexual variation cross-culturally and over recent history, including the development of sexually defined communities and identities within contemporary societies.
prereq: ANTHC 10100
3 hrs 3 cr.

ANTHC 31400 - Research Design in Anthropology

GER 3/B
Introduction to basic principles of research design employed in anthropology.
prereq: ANTHC 10100
3 hrs 3 cr.

ANTHC 31500 - Applied Anthropology

GER 3/B
Practical applications of theory and methods to contemporary social problems; community development; inter-cultural relations.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 31800 - History of Anthropological Theory

GER 3/B PD/D
Changing approaches to the study of society and culture. Political and historical context of the development of theory, the link between theory and method and the impact of theory on policy.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 32000 - Problems in Anthropology

GER 3/B
Topics TBA. Recent courses have looked at globalization, social movements and civil society, energy policy, women and economic development, international migration. Depending on topic, may meet PD/A, B, or C.
prereq: perm instr.
3 hrs 3 cr.
offered every sem.

ANTHC 32100 - Women and Globalization

GER 3/B
The situation of women from less developed countries with attention to the local and global forces shaping their lives. Topics include migration, the international division of labor and worldwide adoption. Includes both theoretical approaches and practical issues related to improving women's place in society.
cross-listed WGS 32100
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 32200 - Family and Household in Anthropology and History
GER 3/B PD/C
Examines variations in household structure and family relations across cultures and over time, focusing on the relationship between domestic arrangements and other aspects of society.

*prereq or coreq: ANTHC 10100
3 hrs 3 cr.*

**ANTHC 32500 - Special Projects and Independent Research in Anthropology**

GER 3/B
*prereq: perm instr.*

*3 hrs 3 cr.*
*offered every sem.*

**ANTHC 33200 - East Asia: Societies and Cultures**

GER 3/B
Historical and regional variation in various East Asian societies with a focus on political economy, kinship, community and national minorities.

*prereq: ANTHC 10100 or perm instr.*

*3 hrs 3 cr.*

**ANTHC 33400 - Latin America: Societies and Cultures**

GER 3/B
Changing views of US and Latin American anthropologists on ethnic, class and gender relations, underdevelopment, migration and social movements.

*prereq: ANTHC 10100 or perm instr.*

*3 hrs 3 cr.*

**ANTHC 35000 - Popular Culture: Anthropological Perspectives**

GER 3/B
The comparative ethnographic and theoretical study of popular and expressive culture traditions from around the world.

*prereq: ANTHC 10100, ENGL 12000, or perm instr.*

*3 hrs 3 cr.*

**ANTHC 40000 - Honors Projects**

*prereq: perm chair
offered every sem.*

**ANTHC 40100 - Seminars in Selected Topics**

Topics TBA.

**ANTHC 40196 - International Migration**

*3 hrs 3 cr.*
Anthropology: Linguistics

ANTHC 15100 - Introduction to Linguistics
GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.
3 hrs 3 cr.

ANTHC 26000 - North American Indian Languages and Cultures
GER 3/B
Linguistic analysis and sociocultural background of North American Indian languages.
3 hrs 3 cr.

ANTHC 26300 - Afro-New World Languages and Cultures
GER 3/B
Linguistic analysis, history, sociocultural background of Caribbean creole languages, other Afro-American speech forms.
3 hrs 3 cr.

ANTHC 35100 - Language in Culture and Society
GER 3/B
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social and political life; language, ideology and identity.
3 hrs 3 cr.

ANTHC 35300 - Phonological Analysis and Theory
GER 3/B
Phonetics of diverse languages, their phonemic analysis at different levels of theory, including distinctive feature analysis and phonological links to grammar.
prereq: ANTHC 15100 or equiv.
3 hrs 3 cr.

ANTHC 35400 - Grammatical Analysis and Theory
GER 3/B
Methods of syntax and morphology in work with diverse languages; syntactic theories and their development relative to universals, semantics, pragmatics, discourse.
prereq: ANTHC 15100 or equiv.
3 hrs 3 cr.

Anthropology: Courses Less Frequently Offered
ANTHC 31600 - Quantitative Methods in Anthropology

GER 3/B

Statistics and data analysis techniques for anthropological research.

ANTHC 31700 - Field Methods in Cultural Anthropology

GER 3/B

Arabic

ARB 10100 - Beginning Arabic I

Introduction to reading, speaking, listening, writing both formal and informal Arabic.

10100 not credited without 10200. This class is not for native speakers.

4 hrs 4 cr.

ARB 10200 - Beginning Arabic II

Continuation of ARB 10100.

This class is not for native speakers.

prereq: ARB 10100 or equiv.

4 hrs 4 cr.

ARB 14900 - Spoken Egyptian Arabic

The goal of this course is to teach students oral communication in the Egyptian dialect, as well as to impart cultural knowledge relevant to a student living in or visiting Egypt. This course is closed to native speakers of Arabic.

prereq: ARB 10200 and permission of instructor

3 hours 3 credits

ARB 20000 - Topics in Arabic Literature and Culture

This course will focus on a variety of topics related to the literatures and cultures of the Arab World. Readings in translation. Specific information on a particular semester's offerings can be found on the on-line class schedule.

prereq: ENGL 12000 or equivalent

3 hours 3 credits

ARB 20100 - Intermediate Arabic I

Emphasis placed on reading materials from Arabic media, and expanding vocabulary and grammar skills.

prereq: ARB 10200 or equiv.

3 hrs 3 cr.
ARB 20200 - Intermediate Arabic II

Continuation of ARB 20100.

*prereq: ARB 20100 or equiv.
3 hrs 3 cr.

ARB 25000 - The Arab Novel (in translation) (W)

GER 2C, PD/A
A consideration of Arab novels as a source for understanding issues such as urbanization, war, imperialism, nationalism, gender, as well as the politics of translation.

*prereq: ENG 22000 or equiv.
3 hrs 3 cr.

ARB 25100 - Arab Cinema (in translation)

GER 2/D, PD/A
This course will introduce students to the history of Arab Cinema through readings and weekly screenings of films from all over the Arab World.

*prereq: ENGL 12000 or equivalent
3 hrs 3 credits

ARB 25200 - Literatures from the Islamic World (W)

GER 2C, PD/A
A survey of literary genres and themes from the Islamic World from the 7th to the 15th century.

*prereq: ENGL 12000 or equivalent
3 hrs 3 credits

ARB 25300 - Literatures and Cultures of Muslim Spain (W)

GER 2C, PD/A
A survey of the literary and cultural history of Muslim Spain, 8th - 15th century C.E.

*prereq: ENGL 12000 or equivalent
3 hrs 3 credits

ARB 25400 - The Arabian Nights East and West (W)

GER 2C, PD/A
The course studies not only the stories of the Arabian Nights (1001 Nights), but also the history of the translation and adaptation of the Nights into European languages.

*prereq or coreq: ENGL 12000 or equivalent
3 hours 3 credits

ARB 30000 - Problems in Arabic Literature and Culture

This course will focus on a specific area related to the literatures and topics of the Arab World. As a 300-level course, it will cover a narrow spectrum of texts. Readings in translation. Specific information on a particular semester's offerings can be found on the on-line class schedule.

*prereq or coreq: ENGL 12000 and one of the following or permission of the instructor: ANTHC 20100, ARB 20000,
ARB 30100 - Advanced Arabic I

Emphasis on increased proficiency in reading, speaking and writing Arabic
**prereq:** ARB 20200 or equiv.
3 hrs 3 cr.

ARB 30200 - Advanced Arabic II

Continuation of ARB 30100
**prereq:** ARB 30100 or equiv.
3 hrs 3 cr.

Archaeology: Classical

CLA 20400 - Introduction to Classical, Near Eastern, and Egyptian Archaeology (W)

GER 2/C
Introduction to ancient archaeology, including Greece and Rome, Mesopotamia, Egypt, Anatolia, and the Levant.
**prereq:** ENGL 12000
3 hrs 3 cr.

CLA 22000 - Aegean Archaeology (W)

GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.
**prereq:** ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22100 - Greek Archaeology (W)

GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.
**prereq:** ENGL 12000; CLA 20400
3 hrs 3 cr.

CLA 22200 - Roman Archaeology (W)

GER 3/A PD/D
Etruscans, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery.
**prereq:** ENGL 12000; CLA 20400
3 hrs 3 cr.
CLA 22500 - Archaeology of Egypt (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Egypt. Giza, Thebes, Amarna; hieroglyphs, literature, tombs, religion, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 22700W - Archaeology of Eastern Mediterranean

GER 3/A PD/A
Cyprus, Southern Anatolia, Phoenicia, and Palestine, especially in Bronze Age.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32200 - Archaeology of Mesopotamia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Mesopotamia. First villages, tombs of Ur, ziggurats, palaces, tablet literature.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32300 - Archaeology of Anatolia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Anatolia: Catal Huyuk, Troy, the Hittites, royal tombs of Phrygia and Lycia.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32900 - Problems in Archaeology

Exploration in depth of particular area or period in Old World archaeology. Topics vary.
prereq: ENGL 12000, two courses in classical archaeology
3 hrs3 cr.

CLA 33000 - Field Seminar in Archaeology

Open to majors only. Fieldwork, undertaken during a school semester or summer, under auspices of department or in an approved program, teaching excavation, or field school.
prereq: ENGL 12000, perm dept.
6 cr. maximum

Art Theory and History

ARTH 11100 - Introduction to History of Art

GER 2/D PD/D
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome,
Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.
3 hrs3 cr.

**ARTH 20500 - Egyptian Art (W)**

GER 3/A PD/A
Geographical, historical and social conditions of the Nile. Influence of Egyptian art.
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*
*prereq or coreq: ENGL 12000 is a prerequisite or corequisite for all ARTH courses numbered 20500-20700.*
3 hrs3 cr.

**ARTH 21500 - Greek Art (W)**

GER 3/A PD/D
Sculpture and painting from the geometric period to the Hellenistic (ca. 750-100 BC). Emphasis on architectural sculpture, monumental free-standing sculpture and vase painting, in their stylistic and narrative contexts.
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*
3 hrs3 cr.

**ARTH 21600 - Roman Art (W)**

GER 3/A PD/D
Roman sculpture and painting from Republican period to Age of Constantine (ca. 100 BC-315 AD). Emphasis on historical reliefs, portraits and wall painting.
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*
3 hrs3 cr.

**ARTH 22000 - Early Medieval Art (W)**

GER 3/A
Sculpture, painting, mosaics and minor arts in West from dissolution of Roman Empire through Carolingian revival, including early Christian and Byzantine art.
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*
3 hrs3 cr.

**ARTH 22100 - Later Medieval Art (W)**

GER 3/A PD/D
Ottonian, Romanesque and Gothic art; architecture, sculpture, painting and minor arts.
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*
3 hrs3 cr.
ARTH 22500 - Art of Early Renaissance (W)

GER 3/A PD/D
Painting, sculpture and related architecture in 14th- and 15th-century Italy. Major artists from Giotto to Botticelli.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 22700 - Northern European Painting (W)

GER 3/A PD/D
Late 14th-16th centuries with emphasis on early Netherlandish painting and later masters, such as Der, Bosch, Bruegel.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 23000 - Art of High Renaissance and Later 16th Century in Italy (W)

GER 3/A PD/D
Sculpture and painting of 16th-century Italy. Emphasis on Leonardo, Raphael, Michelangelo and Titian.
3 hrs 3 cr.
offered spring

ARTH 23500 - Southern Baroque Art (W)

GER 3/A PD/D
Sculpture, painting of 17th-century Italy, France, Spain: Carracci, Caravaggio, Reni, Bernini; Ribera, Velasquez, Zurbaran, Murillo; Poussin, Claude Lorrain.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 24000 - Baroque Art of Northern Europe (W)

GER 3/A PD/D
Sculpture and painting in 17th-century Flanders, Holland and England. Rubens, Van Dyck, Rembrandt; landscape.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 24300 - Eighteenth-Century Art (W)

GER 3/A PD/D
European painting and sculpture; Watteau, Fragonard and Houdon in France, Hogarth and Reynolds in England, Tiepolo in Italy.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-
credit BFA program. It may not be credited toward art history major requirements.
3 hrs3 cr.

**ARTH 24400 - Neo-Classicism and Romanticism: the Age of Revolution, 1789-1848 (W)**

GER 3/A PD/D

Neo-classicism and romanticism in France, Germany, England, Spain. David, Ingres, Delacroix; Friedrich, Runge, the Nazarenes; Blake, Reynolds, Constable; Goya.

*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*

3 hrs3 cr.


GER 3/A PD/D

Impressionists and post-Impressionists within a European context: Courbet, Manet, Monet, Canne, Van Gogh, Gauguin, Munch.

*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*

3 hrs3 cr.

**ARTH 24600 - American Art (W)**

GER 3/A PD/D

Nineteenth-century American painting, architecture, sculpture, graphics, photography in social, historical and environmental background of period.

*prereq: ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*

3 hrs3 cr.

offered fall

**ARTH 24900 - Twentieth-Century Art I (W)**

GER 3/A PD/D

Western art to World War II.

*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*

3 hrs3 cr.

**ARTH 25000 - Twentieth-Century Art II (W)**

GER 3/A PD/D

Western art from World War II to approximately 1980.

*prereq: ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into*
the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

**ARTH 25100 - Contemporary Art (W)**

GER 3/A
Significant international artists and art works of the past twenty years, as well as recent developments in art theory and criticism.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**

prereq: ARTH 11100
3 hrs 3 cr.

**ARTH 25200 - Ancient Architecture (W)**

GER 3/A
Major architectural styles with emphasis on Greece and Rome. Technical, cultural and aesthetic significance of the monuments.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
3 hrs 3 cr.

**ARTH 25300 - Medieval Architecture (W)**

GER 3/A PD/D
Major styles and buildings in West from ancient world through Middle Ages; technical, cultural and aesthetic significance.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
3 hrs 3 cr.

**ARTH 25400 - Architecture: Renaissance to Neo-Classical (W)**

GER 3/A PD/D
Architecture in West from Renaissance through the 19th century; baroque, rococo and neoclassical styles.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
3 hrs 3 cr.

**ARTH 25500 - Twentieth-Century Architecture (W)**

GER 3/A PD/D
Architecture since 1850; leading architects' works; history of structural theory as it relates to architectural form and new building types.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-
credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 26000 - Islamic Art (W)

GER 3/A PD/A
Art and architecture of Islamic world from 7th to 17th century, covering both East and West.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 26200 - Indian and Southeast Asian Art (W)

GER 3/A
Emphasis on Hindu and Buddhist painting, sculpture and temple architecture.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 26300 - Chinese and Japanese Art (W)

GER 3/A PD/A
Chinese and Japanese art with emphasis on painting and sculpture.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 27000 - Art of Africa and Oceania (W)

GER 3/A PD/A
Survey of African art; function, subjects, forms and styles of the arts in the cultural contexts.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 29900 - Special Topics in History of Art

GER 3/A
Examination of broad general topics, stylistic or cultural. Topics vary each semester.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 36800 - Research Methods of Art History
Training in bibliographical material and research methods through examination of a problem in art history. Preparation for advanced work.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

prereq: 2 courses of art history from the 200 level

3 hrs 3 cr.

**ARTH 36900 - Advanced Studies in Art History**

Study of special topics. Individual research under direction of an instructor; meetings, conferences and reports.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

prereq: perm instr.

3 hrs 3 cr.

**ARTH 37000 - Advanced Studies in Ancient Art**

Study of special topics. Lectures, readings and reports dealing with various facets of one significant aspect of medieval art.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

3 hrs 3 cr.

**ARTH 37500 - Advanced Studies in Medieval Art**

Study of special topics. Lectures, readings and reports dealing with various facets of one significant aspect of medieval art.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

3 hrs 3 cr.

**ARTH 38000 - Advanced Studies in Renaissance and Post-Renaissance Art**

A study of one significant aspect within fields of Renaissance and post-Renaissance art (14th through 18th centuries).

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

3 hrs 3 cr.

**ARTH 39000 - Advanced Studies in Oriental Art**

Study of special topics of art from India, Southeast Asia, China, or Japan.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

3 hrs 3 cr.
requirements for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

**ARTH 39900 - Special Topics in History of Art**

GER 3/A PD/D
Combination undergrad/graduate course. May be used to fulfill honors requirements. Specific topic varies each term. Recent examples of Special Topics courses: Islamic Object; Post-Impressionism; Vermeer Seminar; Architecture of the Italian Renaissance; Rodin to Brancusi; Women Photographers; The Avant Garde; History and Theory of Abstraction; English Tradition in Painting: Hogarth; Futurism: Art, Literature, Politics, Theory; Giulio Romano; Van Eyck, Bosch and Breugel; 19th-Century American Drawings; Mexican Art. perm art history adviser
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
3 hrs 3 cr.

**ARTH 40200 - Independent Study in Art History**

GER 3/A
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
prereq: perm instr.
3 hrs 3 cr.

**ARTH 49800 - Internship**

GER 3/A
Qualified undergraduates work for academic credit in professional and community art institutions. Students must also contact and apply at the internship office, where all college-approved internships are listed. The credits earned cannot be used to fulfill the 24-credit major requirement. Three credits may be applied to the 42-credit major. A maximum of six art history Inservice credits may be applied to the degree. **ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
prereq: perm dept. adviser
hrs TBA (1-6) cr

**Studio Art**

ARTLA 10100 and ARTCR 22100 are prerequisites to all studio art classes

**ARTCR 22100 - Drawing**

Basic principles in various media and subjects. Eye/hand coordination, perceptual acuity, spatial organization; interpretation of directly observed subjects. **ARTH 10100 and 22100 are prerequisites to all studio courses.**
prereq: ARTC 10100
4 hrs 3 cr. + 5 hrs open studio
ARTCR 22500 - Graphic Arts Workshop

Techniques of woodcut, intaglio, lithography, silkscreen and related media.
ARTC 10100 and 22100 are prerequisites to all studio courses.
prereq: ARTC 10100 and 22100
4 hrs 3 cr. + 5 hrs open studio

ARTCR 23500 - Painting

Basic principles of painting. Studio practice using varied paint media, varied paint surfaces, paper and canvas.
ARTC 10100 and 22100 are prerequisites to all studio courses.
prereq: ARTC 10100 and 22100
4 hrs 3 cr. + 5 hrs open studio

ARTCR 24000 - Watercolor Painting

Basic principles of watercolor painting.
ARTC 10100 and 22100 are prerequisites to all studio courses.
prereq: ARTC 10100 and 22100
4 hrs 3 cr. + 5 hrs open studio

ARTCR 25100 - Sculpture

Basic principles of sculpture. Studio practice in varied materials.
ARTC 10100 and 22100 are prerequisites to all studio courses.
4 hrs 3 cr. + 5 hrs open studio

ARTCR 25700 - Ceramics

Introduction to pottery and ceramic sculpture, including hand forming, throwing on the wheel, glazing and kiln operation.
ARTC 10100 and 22100 are prerequisites to all studio courses.
4 hrs 3 cr. + 5 hrs open studio

ARTCR 27100 - Principles of Photography

Black and white photography as creative medium; camera and its functions; exposure and film development, contact printing and enlarging.
ARTC 10100 and 22100 are prerequisites to all studio courses.
3 hrs 3 cr. + 6 hrs open studio

ARTCR 29000 - Combined Media

An introduction to basic technologies, methods and ideas that result in ways of making art that mix and combine media. The course will emphasize the production of moving images, sounds, performance as well as still images and objects.

4 hrs + 5 hrs open studio 3 cr.

ARTCR 30100 - Advanced Studio
Student projects with emphasis on contemporary methods such as video, film, tape, conceptual art, environmental art, earth art.

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

3 hrs 3 cr. + 5 hrs open studio

**ARTCR 32200 - Advanced Drawing**

Continued experience in drawing with emphasis on drawing from life.

*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*

prereq: ARTC 22100

4 hrs 3 cr. + 5 hrs open studio

**ARTCR 32600 - Advanced Graphic Arts Workshop**

Advanced study of one or more graphic art methods. Individual exploration emphasized.

*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*

prereq: ARTC 22500

4 hrs 2 cr. + 5 hrs open studio

**ARTCR 33600 - Advanced Painting**

Continued experience in painting with possible concentration upon one medium and theme. Individual exploration emphasized.

*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*

prereq: ARTC 23500

4 hrs 3 cr. + 5 hrs open studio

**ARTCR 35200 - Advanced Sculpture**

Continued experience in sculpture with possible concentration in one material. Individual exploration emphasized.

*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*

prereq: ARTC 25100

4 hrs 3 cr. + 5 hrs open studio

**ARTCR 35700 - Advanced Ceramics**

Continued experimentation in form, surface and techniques. Individual exploration emphasized.

*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*

prereq: ARTC 25700

4 hrs 3 cr. + 5 hrs open studio

**ARTCR 36000 - Special Projects**

Advanced students only. Advanced projects are announced prior to registration each term. Recent examples of Special Projects courses: Color Photo; Advanced Photo Darkroom Process; Collage and Assemblage; Color as Communication; Computer Graphics; Projects in Clay; Advanced Watercolor Painting; Experiment: Photography and Graphics; Site-Specific Painting; Projects in 2-D., Digital Art, Advanced Digital Art, Video for Artists, Installation Art, Sculpture: Methods & Materials, Advanced 2-D studio Seminar, Politics & Painting, Unconventional Approaches: Drawing, 2-D, 3-D, 4-D Seminar, Advanced Painting Tech. & Concepts

prereq: See department

3 hrs 3 cr. + 5 hrs open studio
ARTCR 37200 - Advanced Photography

Techniques and aesthetics of black and white photography; self-expression and exploration; classroom critiques. *May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*  
**prereq:** ARTC 27100  
3 hrs3 cr. + 6 hrs open studio

ARTCR 39000 - Combined Media

Continued experience in combined media with possible concentration in one approach and/or method. Individual exploration will be emphasized. May be repeated once (i.e., taken twice).  
4 hrs + 5 hrs open studio 3 cr.

ARTCR 40200 - Independent Study in Studio Art

**ARTC 10100 and 22100 are prerequisites to all studio courses.**  
**prereq:** perm instr.  
1-3 hrs1-3 cr. per semester

ARTCR 40500 - Art and Current Ideas II

Lecture and discussion; a non-studio course. Topics of concern in art today as brought forth by current exhibitions. Scheduled trips to galleries and museums. Reading assignments, papers and oral reports focus on issues relative to the exhibitions.  
**ARTC 10100 and 22100 are prerequisites to all studio courses.**  
**prereq:** BFA students or perm dept.  
3 hrs3 cr.

ARTCR 45900 - Professional Experience in Art I

BFA majors, seniors only. Not credited toward BA degree. Advanced projects may include activities outside the college, as well as within the department.  
**ARTC 10100 and 22100 are prerequisites to all studio courses.**  
**prereq:** perm BFA committee at end of junior yr.  
3 hrs + 15 hrs open studio6.5 cr.

ARTCR 46000 - Professional Experience in Art II

Continuation of ARTC 45900.  
**ARTC 10100 and 22100 are prerequisites to all studio courses.**  
3 hrs + 15 hrs open studio6.5 cr.

ARTCR 49800 - Internship

Qualified undergraduates work for academic credit in professional and community art institutions.  
**ARTC 10100 and 22100 are prerequisites to all studio courses.**  
**prereq:** perm dept.  
hrs TBA1-5 crs
ARTLA 10100 - Introduction to Study of Visual Experience

Introduction to conceiving and formulating ideas for visual experience. Students work in 3 different areas in day session, 2 in evening session.
6 hrs 3 cr. + 3 cr. hrs open studio

ARTLA 36018 - 2-D, 3-D, 4-D Seminar

prereq: ARTLA 10100, ARTCR 22100 and 2 200-level studio art courses, perm instr.
3 hrs. 3 cr.

Asian American Studies: Introductory Courses

For continuously updated course listings, descriptions and sample syllabi, please go to http://www.hunter.cuny.edu/aasp

ASIAN 21000 - Asians in the U.S.

PD/B
Interdisciplinary examination of Asian American experiences of discrimination and exclusion in the context of domestic and foreign U.S. policies regarding immigration, labor, and national identity. Through an examination of historical, theoretical and cultural texts, the course also looks at the impact of the current expansion of Asian American communities on America’s social, cultural, and political order.
3 hrs, 3 cr.

3 hrs 3 cr.

ASIAN 22001 - Asian American Women Writers

PD/B or C
Critical examination of Asian American women’s identity formations in relation to factors such as racial ideology, global migrations of labor and capital, class status, sexuality, military conflict, constructions of family, and language.
3 hrs 3 cr.

ASIAN 22012 - Asian American Literature

PD/B or C
Critical examination of literary texts by Asians in the U.S. and western diaspora, tracing Asian American literary production in order to understand how these literatures are a formative site to engage in intersectional analyses of constructions of history, citizenship, and identity.
3 hrs 3 cr.

Asian American Studies: Humanities Courses
For continuously updated course listings, descriptions and sample syllabi, please go to 
http://www.hunter.cuny.edu/aasp

ASIAN 22004 - Arab American Literature

PD/B
Critical examination of a cross-section of literature and film/video/performance by Arab American writers and artists in an interdisciplinary investigation of the historical and contemporary experiences of Arab Americans in the United States and western diaspora.
3 hrs 3 cr.

ASIAN 22005 - South Asian Women’s Literature

PD/B or C
Close examination of literary, historical, and theoretical texts with a focus on the cultural production and social movements of South Asian women, with particular attention to how issues of race and nationalism are shaped and how they have overlapped with gender, class, sexuality, religion, and language.
3 hrs 3 cr.

ASIAN 22006 - Filipino American Literature

PD/B
Close examination of the historical and social contexts in which Philippine-American literature has evolved, the diverse aesthetics and themes of individual writers, and analysis of how issues of Philippine-American cultural production takes up issues of gender, class, sexuality, religion, language, and national identity.
3 hrs 3 cr.

ASIAN 22009 - Gender and Genre in Asian American Literature and Film

PD/B, PD/C
Critical exploration of the social construction of Asian American identity in various genres: video art, prose, poetry, memoir, performance, and film. The emphasis of the course is on intersectional analyses that critically examine how race, gender, class, and sexuality inform Asian American artists’ decisions regarding form and genre.
3 hrs 3 cr.

ASIAN 32001 - Nation, Self, and Asian Identity

PD/B
Critical examination of literary constructions of Asian American identity in relation to the U.S. nation-state, with particular emphasis placed upon juridical constructions of citizenship, community, and belonging.
3 hrs 3 cr.

ASIAN 32005 - Asian American Memoir

PD/B
Close examination of memory as an imagined and contested site that complicates and challenges how we constitute self
and other. Students will analyze constructions of identity through Asian American narratives, and their relation to language, form and experience, including immigration and gendered narratives to transnational categories of homeland and belonging.

3 hrs 3 cr.

**ASIAN 32100 - Asian American Social Protest Literature**

PD/B

Deconstruction and examination of historical and contemporary Asian American literatures of social protest and resistance. Students utilize readings as a framework for initiating, planning, and executing semester-long community-based projects.

3 hrs 3 cr.

**ASIAN 33008 - Muslim Diasporas**

PD/B

Interdisciplinary course moving through the history of Islam and its expressions in many areas of the world (including Sufism), to the cultural identity, art, and literature of the Muslim Diaspora in the United States, their misrepresentations in the media, and fetishization by popular culture.

3 hrs 3 cr.

**ASIAN 34001 - Asian Pacific American Media**

PD/B

Addresses Asian Pacific American experiences of assimilation, displacement, marginalization, multiculturalism, and resistance to the cultural 'norm' within Asian Pacific communities through screening a wide range of films and videos and reviewing critical and fictional writing. Guest artists may also lecture.

3 hrs 3 cr.

**ASIAN 34003 - West Asian American Literature and Film**

PD/B

Interdisciplinary course that first examines the cultural, linguistic, and religious diversity of West Asia, sometimes called Central Asia and/or the Middle East, to then focus on the literature and film of their diasporic communities in the U.S.

3 hrs 3 cr.

**Asian American Studies: Recent Course Offerings in the Humanities**

**ASIAN 33052 - Oral History, Cultural Identity and the Arts**

**ASIAN 39006 - Gender and Sexuality in Asian American Literature and Film**
ASIAN 39016 - Ethnicity and American English

ASIAN 39018 - Asian American Poetics

ASIAN 46000 - Independent Study

Asian American Studies: Social Science Courses

For continuously updated course listings, descriptions and sample syllabi, please go to http://www.hunter.cuny.edu/aasp

ASIA 23002 - Asian American Communities and Mental Health

PD/B
Introduction to psychological experiences of Asian Americans, including historical, sociopolitical, and cultural influences that shape personality and mental health. Specific topics include stereotypes and racism, processes of acculturation and enculturation, ethnic identity development, interracial relationships, stressors and social support systems within Asian American communities, and culturally competent mental health treatment and service delivery.

3 hrs 3 cr.

ASIAN 35100 - Asian American History of Labor and Politics

PD/B
This seminar explores the interconnected issues of race, class, and nationality through the study of the history of Asian immigrant labor in the U.S. in the context of American economic needs and political environment.

3 hrs 3 cr.

ASIAN 39001 - International Migration

PD/B
This interdisciplinary course examines the origins and processes of migration and settlement, past and present. Includes a series of lectures by leading scholars from a variety of academic fields and immigrant communities. Topics include: immigration and labor, race and gender, social and cultural identity, immigration policy and political action, and the trans-nationalization of education and family life.

3 hrs 3 cr.

ASIAN 39002 - Asian American Civil Rights and the Law
Critical examination of major immigration and civil rights laws and Supreme Court cases that have affected Asian Americans.

3 hrs3 cr.

**ASIAN 49100 - Asian American Movement and Community Organizations**

PD/B
Semester-long analysis of the development of pan-ethnic Asian American consciousness and institutions since the late 1960s, with a focus on this movement's impact on community organizations of Asian national sub-groups examined in the context of larger American racial and ethnic politics.

3 hrs3 cr.

**Asian American Studies: Recent Course Offerings in Social Science**

**ASIAN 23001 - Globalization and Gender**

PD/B
3 hrs3 cr.

**ASIAN 33001 - Chinese in the U.S.**

**ASIAN 33003 - South Asians in the U.S.**

**ASIAN 39015 - Immigration and the Economy**

3

**ASIAN 46000 - Independent Study**

**ASIAN 49000 - Immigration Policy**

PD/B

**Astronomy**

Astronomy courses are offered by the Department of Physics and Astronomy

**ASTRO 10100 - Basic Concepts of Astronomy with Laboratory Exercises**

GER 2/E with lab
An introductory, one-semester astronomy course designed for non-science majors. Topics include: basic observational features of the night sky, and their explanations; Kepler’s laws of planetary motion; Newton’s laws of motion and gravitation. Properties of light, and how it reveals the nature of its source. Origin, properties, and evolution of our solar
The lab consists of traditional hardware experiments and virtual online experiments. Students taking this course will be required to submit online and hard-copy laboratory reports.

5 hrs 4 cr.

**ASTRO 10700 - Laboratory Exercises in Astronomy**

GER 2/E
Classroom and online experimental laboratory exercises in astronomy to observe the major features of the night sky, demonstrate the physical basis of astronomical instruments, and experiment with astronomical phenomena. Only offered to students who have previously taken ASTRO 100 which is no longer offered [ASTRO 100 + ASTRO 107 are replaced by ASTRO 10100].

*prereq or coreq: ASTRO 10000
2 hrs 1 cr.*

**Astronomy: Courses Less Frequently Offered**

**ASTRO 18100 - Astronomy of the Solar System**

**ASTRO 18200 - Stellar Astronomy**

**BIOL 22000 - Topics in Genetics and Evolution**

GER 3/B

*prereq: BIOL 10000 or equiv.
3 hrs 3 cr.
spring only

**Biological Sciences**

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

*$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
*prereq: MATH 10100 or equivalent*
BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology. $5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 12000 - Anatomy and Physiology I

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.
Not accepted for credit toward the biology major.
prereq: CHEM 10000, 10100coreq: CHEM 12000, 12100
6 hrs (3 lec, 3 lab)4.5 cr.
fall only

BIOL 12200 - Anatomy and Physiology II

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.
Not accepted for credit toward the biology major.
prereq: BIOL 12000 or equiv.
6 (3 hrs lec, 3 hrs lab)4.5 cr.
spring only

BIOL 12500 - Human Biology

GER 2/E
An introductory laboratory course for non-biology majors. Explores the biology that underlies current health and disease topics (including diabetes, cancer, sexually transmitted diseases, nutrition). Using a topics approach, the course provides a survey of human anatomy and physiological function, along with the biological principles of genetics and cellular interactions that comprise our current understanding of the human organism. Laboratory exercises will introduce students to a scientific approach in studying human disease and physiology. The credits from this course will not count towards the Biology Major.
6 hrs4.5 cr.

BIOL 15000 - CSI: HUNTER (Forensic Biology)

GER 2/E
An introductory laboratory course for non-biology majors. This lecture/laboratory course will cover the techniques used by forensic scientists to analyze a crime scene, and the biological concepts behind them. Through the topics that are covered, students will learn how biological evidence like fingerprints, hair, blood, and DNA are collected, analyzed, and presented as evidence to solve crimes.
6 hrs4.5 cr.
BIOL 16000 - Honors Principles of Biology II

GER 2/E PD/C or D
Physiological systems and their regulation: internal transport, hormones and gas exchange in plants and animals; osmoregulation; motility; nervous, neuroendocrine, immunological and sensory systems; behavior, reproduction and ecology. Students will read reviews of current research in addition to the required text. Guest speakers and class presentations.
Enrollment limited. Core credit awarded only if BIOL 10000 and 16000 are both completed. PD credit awarded only upon completion of BIOL 10000 and 16000.
prereq: grade of B or better in BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

BIOL 23000 - Fundamentals of Microbiology

GER 3/B
Topics include scope, historical aspects, taxonomy, survey of the microbial world, viruses, infectious diseases, control of microorganisms and immunology. Required for admission to the nursing program.
Not accepted for credit toward the biology Major I.
prereq: CHEM 10000, 10100, 12000, 12100 or equiv; BIOL 12000coreq: BIOL 12200
5 hrs (2 lec, 3 lab)3 cr.
spring only

BIOL 25000 - Current Topics in the Biosciences (W)

GER 3/B
Seminar for non-science majors focusing on topics of current relevance such as the science of emerging diseases,
bioterrorism, genetic engineering, stem cell research and global warming. Coverage includes the social, legal, political and ethical issues associated with each topic.

Not accepted for credit toward biology Major I.

prereq: ENGL 12000 or equiv, 2 sems intro lab science or equiv, or perm instr
coreq: ENGL 12000 or equiv, 2 sems intro lab science or equiv, or perm instr.

3 hrs 3 cr.
fall only

BIOL 28000 - Biochemistry of Health and Nutrition

GER 3/B
Basic biochemistry in areas related to human health and nutrition. Designed for students in the dietetics program.
(Not accepted for credit toward biology Major I.)
prereq: BIOL 10000, 10200 or 12000, 12200; CHEM10000, 12000
3 hrs (lec) 3 cr.
fall only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300
coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 30600 - Developmental Biology

GER 3/B
Major topics include molecular and cellular mechanisms of early embryonic development in amphibians, mammals and model organisms such as Drosophila, as well as the related subjects of vertebrate organ system development, biology of stem cells and animal cloning. Emphasis is placed on seminal and current research in cell-cell communication, signal transduction and differential gene regulation in developmental processes.
prereq: BIOL 30000
3 hrs (lec) 3 cr.
fall only
BIOL 32200 - Evolution

GER 3/B
Modern synthetic theory, genetic basis of variation, gene pool in populations.

**prereq:** BIOL 30000
3 hrs (lec) 3 cr.

BIOL 35000 - Cancer Biology

GER 3/B
Control of cell division examined in the context of cancer, which is the loss of this control. Topics include: cell culture, the cell cycle, hormones, receptors, intracellular signal transduction, oncogenes, tumor suppressor genes and the etiology of human cancer.

**prereq:** BIOL 20200, 30000, or perm instr.
3 hrs (lec) 3 cr.
**spring alternate years**

BIOL 36000 - Cellular and Molecular Immunology

GER 3/B
Study of the immune system from a molecular perspective. Molecular genetics of antibody and T cell receptor diversity, hematopoiesis and lymphocyte development, humoral and cellular immunity, histocompatibility.

**prereq or coreq:** BIOL 30000, perm instr.
4 hrs (3 lec, 1 disc) 3.5 cr.
**fall only**

BIOL 37000 - Physiology of the Nervous System

GER 3/B
A comprehensive introduction to neuroscience. Topics include how nerve cells (neurons) transmit electrical impulses, how neurons communicate with each other through synapses and how nerve pathways and networks determine many functions of the brain. The last portion of the course shall explore how developing neurons seek out targets and establish synapses.

**prereq:** BIOL 30000 or perm instr.
4 hrs (lec) 4 cr.
**spring only**

BIOL 37500 - Molecular Systematics

GER 3/B
An overview of the various methods and kinds of data used in systematics, the study of organism diversity and biological relationships. Emphasis is on modern molecular and genetic approaches to identification of individual species and strains and full phylogenetic analyses of suites of species to determine their evolutionary history. The knowledge base is provided for experimental investigation of questions of current interest in phylogeny and population biology.

**prereq:** BIOL 30000 or perm instr.
3 hrs 3 cr.

BIOL 37600 - Endocrinology
GER 3/B
Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of metabolism and reproduction; integration of endocrine responses by the central nervous system.
prereq: BIOL 20200 or perm instr.
3 hrs (lec) 3 cr.
spring only

BIOL 38000 - Molecular Neurobiology

GER 3/B
Molecular components and molecular mechanisms involved in the cell biology of neurons and glia, neuronal signaling, neuronal development, learning, memory and diseases of the nervous system.
prereq: BIOL 30000 or perm instr.
3 lec hrs 3 cr.
fall alternate years

BIOL 39000 - Laboratory in Cell Structure

GER 3/B
Applications of light and electron microscopy to study of cell structure and function. Lab projects utilize thin sectioning, negative staining, scanning, darkroom printing, digital imaging and other techniques.
prereq or coreq: BIOL 30000 or BIOL 20200 and perm instr.
5 hrs (1 lec/demo, 4 lab) 3 cr.
fall only

BIOL 40000 - Special Topics in Advanced Laboratory Techniques

GER 3/B
Advanced laboratory techniques used in contemporary biological research, including areas such as immunology, microbiology and molecular neurobiology. Topics change from term to term.
prereq: BIOL 30000 or perm instr.
4 hrs (lab) 2 cr

BIOL 41000 - Workshop in Biotechnology

GER 3/B
A series of laboratory-intensive experimental projects, each lasting one week or more, which introduce current research techniques and include individual participation in planning and preparation of experiments. The focus is on a broad biotechnology topic such as the isolation, cloning and expression of a gene, utilizing the techniques of molecular genetics.
This course satisfies the research requirement for graduation with departmental honors and is a component of the interdisciplinary BS/MA (MLS/Biol) program in biotechnology.
prereq: BIOL 20000, 20200, perm instr.
30 hrs/week for 4 weeks 4 cr.

BIOL 42500 - Computational Molecular Biology

GER 3/B
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of in silico biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics,
comparative genomics, analysis of gene expression, and prediction of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting. Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.

BIOL 45000 - Individual Tutorial in Biology

GER 3/B
May be taken only once. Research paper written under the direction of a full-time faculty member in department of biological sciences.

prereq: 18 credits in biology, approval of adviser in addition to the sponsor
1-2 cr.

BIOL 46000 - Introduction to Planning and Teaching of Laboratory Work in Biology

GER 3/B
Participation in discussions and assisting in the teaching of laboratories in an introductory course, or peer mentoring in the undergraduate biological sciences research techniques facility.

prereq: 16 credits in BIOL, 12 credits in CHEM, 2 letters from faculty
5 hrs (2 planning, 3 lab)2 cr.

BIOL 47000 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

prereq: BIOL 30000
2 hrs (lec)2 cr. per sem.

BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

prereq: BIOL 300
3 hrs (lec)3 cr. per sem.

BIOL 48000 - Introduction to Experimental Biology

GER 3/B
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.

prereq: BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.
hrs TBA1-2 cr. per sem.

BIOL 48100 - Introduction to Experimental Biology
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.

**BIOL 48200 - Introduction to Experimental Biology**

Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.

PreReq: BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.

TBA - 2 credits per semester

**BIOL 48300 - Introduction to Experimental Biology**

Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.

PreReq: BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.

TBA - 2 cr. per sem.

**Biological Sciences: Courses Less Frequently Offered**

**BIOL 20800 - Ecology**

GER 3/B

**BIOL 25200 - Comparative Anatomy of the Vertebrates**

GER 3/B

**BIOL 33500 - Comparative Animal Physiology**

GER 3/B

**BIOL 34000 - Plant Physiology**

GER 3/B

**Chemistry**

*Note: No student may receive credit for both CHEM 10000-10100 and 10200-10300 or 11100; no student may receive credit for both CHEM 12000-12100 and 22200-22300.*
CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.
Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
4 hrs (3 lec, 1 rec) 3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec) 1.5 cr.

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10500 - General Chemistry Laboratory II

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.
Offered for transfer students who have completed only one semester of General Chemistry Laboratory.
prereq: One semester of General Chemistry Laboratory,prereq or coreq: CHEM 10400
4 hrs (3 lab, 1 rec) 1.5 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.
CHEM 11100 - Chemical Principles

GER 2/E
In-depth introduction to chemical principles including measurement, stoichiometric calculations, inorganic nomenclature, gas laws, equilibrium, acids, bases and buffers. Emphasis is placed on problem-solving, oral presentations, and collaborative work. Laboratory and coursework emphasize analysis and evaluation of data.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500 or equiv, MATH 12600
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5
offered fall

CHEM 11200 - Thermodynamics and Solution Chemistry

GER 2/E
The study of quantum theory, atomic structure, periodic properties of the elements, kinetics, electrochemistry, and thermodynamics.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 11100
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5 offered spring

CHEM 11500 - Introductory Chemistry

An introduction to the fundamental concepts in chemistry including atomic and molecular structure, chemical bonding, stoichiometry, and solution chemistry.
This course is appropriate for students who have had no prior coursework in chemistry.
prereq or coreq: MATH 12500
4 hrs (3 lec, 1 rec)3 cr.

CHEM 12000 - Essentials of Organic Chemistry Lecture

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10000
4 hrs (3 lec, 1 rec)3 cr.

CHEM 12100 - Essentials of Organic Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10100 prereq or coreq: CHEM 12000
4 hrs (3 lab, 1 rec)1.5 cr.

CHEM 15000 - Peer-Led Teaching in Chemistry

Students learn to become peer-leaders for workshops held in either Essentials of Chemistry, General Chemistry, or Organic Chemistry Topics include: multiple intelligences and differences in learning styles; basic theory of learning; issues related to race, class and gender.
prereq: CHEM 12000, CHEM 10400, or CHEM 11200 and perm dept.
2 hrs1 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs2.5 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22500 - Organic Chemistry Laboratory II

GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
prereq or coreq: CHEM 22400
5 hrs2.5 cr

CHEM 24900 - Quantitative Analysis

GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of quantitative analysis such as pH and metal ion titrations, spectroscopic analysis including gas chromatography, electronic absorption, and fluorescence.

prereq: CHEM 10400, 10500
5 hrs (4 lab, 1 rec)3 cr.

CHEM 29101 - Chemical Investigations

GER 3/B
Original chemical investigations under supervision of faculty member. Written report required. Enrollment for maximum of two semesters.
prereq: CHEM 22400, perm chair
4 hrs 1 cr.

CHEM 29102 - Chemical Investigations

GER 3/B

Original chemical investigations under supervision of faculty member. Written report required. Enrollment for maximum of two semesters.
prereq: CHEM 22400, perm chair
8 hrs 2 cr.

CHEM 29500 - Introduction to Planning and Teaching of Laboratory Work in Chemistry

Participate in supervised teaching experiments that demonstrate important principles of chemistry.
prereq: CHEM 10400, CHEM 10500, two letters from faculty who have taught the student
5 hrs (2 planning, 3 lab) 2 cr.

CHEM 32200 - Organic Chemistry Lecture III

GER 3/B

Selected topics such as advanced synthesis, reaction mechanisms, MO theory, natural products, NMR spectroscopy.
prereq: CHEM 22400, perm instr.
3 hrs 3 cr.

CHEM 34900 - Instrumental Analysis

GER 3/B

Principles of modern instrumental techniques; emphasis on spectroscopic and electrometric methods.
prereq: CHEM 35400 or 35600 with 35500
8 hrs (2 lec, 6 lab) 5 cr

CHEM 35000 - Biophysical Chemistry

GER 3/B

Essential physical chemical principles as applied to biological problems. Emphasis on kinetics, thermodynamics, and equilibria.
prereq: CHEM 22400, BIOL 10200, MATH 15000
5 hrs (4 lec, 1 rec) 4 cr
offered fall

CHEM 35200 - Physical Chemistry I
GER 3/B
Ideal and real gases. Laws of thermodynamics with applications to properties of solutions and phase equilibria in general.

*prereq:* CHEM 24900, MATH 15500, PHYS 12100
3 hrs 3 cr.
offered fall

**CHEM 35400 - Physical Chemistry II - F**

GER 3/B
Selected topics from statistical thermodynamics, electrochemistry, kinetic theory and rate processes.

*prereq:* CHEM 35200, MATH 25000
3 hrs 3 cr.
offered fall

**CHEM 35500 - Physical Chemistry Laboratory I**

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35200 on chemical systems.

*prereq:* CHEM 24900  
*prereq or coreq:* CHEM 35200 
3 hrs 1.5 cr.
offered fall

**CHEM 35600 - Physical Chemistry II - S**

GER 3/B
Selected topics from quantum chemistry, molecular structure, and spectroscopy.

*prereq:* PHYS 12100, CHEM 24900, MATH 15500
3 hrs 3 cr.
offered spring

**CHEM 35700 - Physical Chemistry Laboratory II**

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35600 on chemical systems.

*prereq:* CHEM 24900 or perm chair  
*prereq or coreq:* CHEM 35600 
3 hrs 1.5 cr.
offered spring

**CHEM 36600 - Inorganic Chemistry**

GER 3/B
Treatment of structure, bonding and reactivity of inorganic compounds.
**CHEM 37600 - Biochemistry I**

GER 3/B  
Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

*prereq: CHEM 22400*  
4 hrs (3 lec, 1 rec) 3 cr.  
offered fall

**CHEM 37700 - Biochemistry II**

GER 3/B  
Biosynthesis of lipids, amino acids, carbohydrates. Muscle contraction, hormones, immune response, DNA sequencing.

*prereq: CHEM 37600 or BIOL 30000 or perm instr.*  
3 hrs 3 cr.  
offered spring

**CHEM 37800 - Biochemistry Laboratory**

GER 3/B  
A set of laboratory experiments, performed by individual students, covering important areas of biochemistry such as protein analysis, enzyme purification, enzymatic assays, recombinant DNA and the polymerase chain reaction.

*prereq: CHEM 22300 and CHEM 37600 or CHEM 64000*  
5 hrs (4 lab, 1 rec) 3 cr.

**CHEM 38800 - Topics of Current Interest in Chemistry**

GER 3/B  
Offered subject to adequate student interest and enrollment. Taught by specialists from department faculty. The specific topic will be listed in the schedule of classes for a given semester.

*prereq or coreq: CHEM 35200 and CHEM 35600 or perm instr.*  
3 hrs 3 cr.

**CHEM 39000 - Current Laboratory Methods in Chemistry**

GER 3/B  
Offered subject to adequate student interest and enrollment. Taught by specialists from department faculty. The specific topic will be listed in the schedule of classes for a given semester.

*prereq or coreq: CHEM 35700 or perm instr.*  
4 hrs 2 cr.

**Chemistry: Honors Course**
CHEM 49101 - Introduction to Research

GER 3/B
Open to Jr/Sr only. Similar to CHEM 29101. Written report required. Fulfills requirement for departmental honors course.

_prereq: CHEM 22400, 35400, 34900, perm chair
4 hrs 1 cr.

CHEM 49102 - Introduction to Research

GER 3/B
Open to Jr/Sr only. Similar to CHEM 29102. Written report required. Fulfills requirement for departmental honors course.

_prereq: CHEM 22400, 35400, 34900, perm chair
8 hrs 2 cr.

Chinese Culture and Literature in Translation

CHIN 11100 - Chinese Culture I

GER 2/C PD/A
Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English.
3 hrs 3 cr.

CHIN 11200 - Chinese Culture II

GER 2/C PD/A
Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.
3 hrs 3 cr.

CHIN 21100 - Topics in Chinese Culture

Topics include Chinese religion, Buddhism, archaeology, Daoism and theatre.
3 hrs 3 cr.

CHIN 25100 - Topics in Chinese Literature in English Translation (W)

GER 2/C
Including 20th-century literature, contemporary literature.
_prereq: ENGL 12000
3 hrs 3 cr.

CHIN 35500 - Classical Chinese Fiction in English Translation (W)
Introduction to Chinese fictional writings from early times to 19th century, e.g., Dream of the Red Chamber, Monkey, All Men Are Brothers, Romance of the Three Kingdoms.

*prereq: ENGL 12000
3 hrs 3 cr.*

**CHIN 35700 - Chinese Poetry in English Translation (W)**

GER 3/A PD/A
Major poets from the earliest times to the present day, with emphasis on the Tang period.

*prereq: ENGL 12000
3 hrs 3 cr.*

**CHIN 39900 - Second Language Acquisition**

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.

*prereq: at least three courses at the 300 level in the language, ENGL 12000
3 hrs 3 cr.*

**Chinese Language and Literature**

**CHIN 10100 - Elementary Chinese I**

Beginning course in Mandarin.

*CHIN 10100 not credited without CHIN 10200.
3 hours 3 credits
offered fall*

**CHIN 10200 - Elementary Chinese II**

Beginning course in Mandarin.

*3 hours 3 credits
offered spring*

**CHIN 10500 - Chinese Writing System and Calligraphy I**

Beginning course in learning the basics about writing Chinese characters, methods of analysis, and mastery of common radicals and characters.

*3 hours 3 credits
offered fall*

**CHIN 10600 - Chinese Writing System and Calligraphy II**

Continued instruction in topics related to the development of Chinese scripts, printing, and calligraphy, and mastery of additional common characters.

*prereq: CHIN 10500 or equivalent*
3 hours3 credits
offered spring

CHIN 20100 - Intermediate Chinese I

Reading of literature in baihua (vernacular style) with emphasis on structural use of “function words” and vocabulary-building.
prereq: CHIN 10200 or equiv.
3 hrs3 cr.
offered fall

CHIN 20200 - Intermediate Chinese II

Continued reading of literature in baihua.
prereq: CHIN 20100 or equiv.
3 hrs3 cr.
offered spring

CHIN 30100 - Journalistic Chinese Literature I

Intensive reading of literature and essays written in journalistic style.
prereq: CHIN 20200 or equiv.
3 hrs3 cr.
offered fall

CHIN 30200 - Journalistic Chinese Literature II

Intensive reading and translation of literature written in journalistic style.
prereq: CHIN 30100 or equiv.
3 hrs3 cr.
offered spring

CHIN 30300 - Classical Chinese Literature I

Intensive study of literature written in wenyan or classical style, with attention to basic structures of literary styles.
prereq: CHIN 20200 or equiv.
3 hrs3 cr.
offered fall

CHIN 30400 - Classical Chinese Literature II

Continuation of CHIN 303. Selected readings in literature written in wenyan or classical style.
prereq: CHIN 303 or equiv.
3 hrs3 cr.
offered spring

CHIN 30600 - 20th-century Chinese Literature

PD/A
Selected readings of leading thinkers and writers.
CHIN 30700 - Classical Chinese Poetry

PD/A
Close textual and stylistic analysis of texts selected from standard verse forms, with emphasis on Tang shi.
prereq: CHIN 30400 or equiv.
3 hrs 3 cr.

CHIN 40100 - Advanced Studies in Chinese Literature

Including 20th-century literature, poetry; etymology and vocabulary building; Chinese-English translation.
prereq: CHIN 30200 or equiv, perm chair
3 hrs 3 cr.

CHIN 40200 - Independent Study in Chinese Literature

Independent study and research in Chinese literature under supervision of a faculty member.
For majors only.
prereq: CHIN 40100, perm chair
3 hrs 3 cr.

Classical Literature (in English)

CLA 25000 - Greek and Roman Tragedy (W)

GER 2/C PD/D
A study of plays of Aeschylus, Sophocles, Euripides, and Seneca in their literary, religious, and social contexts.
prereq: ENGL 12000 recom: CLA 10100
3 hrs 3 cr.

CLA 25100 - Ancient Comedy (W)

GER 2/C PD/D
Aristophanes, Menander, Plautus, and Terence, with a consideration of their influence on Western comic tradition.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 25300 - Homer and Vergil (W)

GER 2/C PD/D
Ancient narrative song and poetry, with emphasis on the Iliad and Odyssey of Homer and the Aeneid of Vergil.
prereq: ENGL 12000 recom: CLA 10100
3 hrs 3 cr.

CLA 25400 - The Ancient Novel in Translation (W)
Greek and Roman prose fiction: Petronius' Satyricon, Apuleius' Golden Ass, Achilles Tatius' Leucippe, Longus' Daphnis and Chloe, and Heliodorus' Ethiopian Tale.

**Prereq:** ENGL 22000 or perm instr.
3 hrs 3 cr.

## Classics: Ancient Culture

### CLA 10100 - Classical Mythology

**GER 2/C PD/D**
Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and theories.
3 hrs 3 cr.

### CLA 11000 - The Greek and Latin Roots of English

**GER 2/C**
Elements of language structure; how languages work; elements of Latin and Greek in English vocabulary.
3 hrs 3 cr.

### CLA 20100 - Greek Civilization (W)

**GER 2/C PD/D**
Ancient Greek culture: art and literature, religion, philosophy, economics, politics, education, and athletics.
**Prereq:** ENGL 12000
3 hrs 3 cr.

### CLA 20200 - Hellenistic Civilization (W)

**GER 3/A PD/D**
The Mediterranean world after Alexander the Great: synthesis of Greek and oriental cultures.
**Prereq:** ENGL 12000, CLA 20100 or 20400
3 hrs 3 cr.

### CLA 20300 - Roman Civilization (W)

**GER 2/C PD/D**
Ancient Roman culture: art and literature, law, architecture, engineering, economics, popular culture, leisure activities.
**Prereq:** ENGL 12000
3 hrs 3 cr.

### CLA 21000 - The Greek and Roman Theatre (W)

**GER 3/A**
Components and functions of classical theatre: myth and ritual; mask and costume; staging and production; buildings.
**Prereq:** ENGL 12000; CLA 20100 or 25000
3 hrs 3 cr.
CLA 24000 - Topics in Classics

Examination of specific areas of classical culture, such as literature, language, or numismatics.

prereq: ENGL 120
3 hrs 3 cr.

CLA 30200 - Comparative Backgrounds of Classical Mythology (W)

GER 3/A PD/D
Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hittite, Ugaritic, and Celtic myths.

prereq: ENGL 12000; CLA 10100
3 hrs 3 cr.

CLA 30300 - Religion of Ancient Greece (W)

GER 3/A
The Ancient Greek religious experience: official rites, mystery cults, oracles, personal religious belief, and practice.

prereq: ENGL 12000, CLA 10100 or 20100
3 hrs 3 cr.

CLA 30400 - Pagans and Christians (W)

GER 3/A PD/D
Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.

prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

CLA 30500 - Women and Slaves in Classical Antiquity (W)

GER 3/A PD/C or D
Women and slaves in Greek and Roman society and their influence on Western attitudes about sex and class.

cross-listed WGS 30500 (W)

prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

CLA 30600 - Special Studies in Ancient Greek Culture

Examination of specific areas of Greek life. Topics vary from year to year.

prereq: ENGL 12000
3 hrs 3 cr.

CLA 30700 - Special Studies in Ancient Roman Culture

PD/D
Examination of specific areas of Roman life. Topics vary from year to year.

prereq: ENGL 12000
3 hrs 3 cr.

CLA 30800 - Magic and Science in the Ancient World (W)
GER 3/A
The interaction of scientific and magical world views in Greek, Roman and Near Eastern antiquity from the invention of writing to the origins of alchemy.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

CLA 31000 - Ancient Sports and Spectacles (W)

GER 3/A PD/D
An exploration of ancient Greek and Roman sports and spectacles, focusing on evidence supplied by literary texts, archaeology, and the visual arts.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

CLA 42100 - Independent Study in Classics

Open to majors only.
prereq: ENGL 12000, perm chair
1-3 cr.

CLA 49100 - Honors in Classics

Sr only. Individual research under direction of member of department, culminating in essay approved by Honors Committee.
prereq: ENGL 12000, perm dept.
3 hrs 3 cr.

CLA 49800 - Internship

prereq: ENGL 12000, perm dept.
1-6 cr.

Community Health

COMHE 15000 - Introduction to the Health Care System

A survey of the organization of the United States health care system, the perspectives of consumers, providers and organizers. Various health professions will be examined as well as the major health concerns that exist today.
prereq: none
3 hrs 3 cr.

COMHE 20000 - Controversial Issues in Health and Health Care

A contemporary health controversy examined through the disciplines of community and public health and health care.
prereq: none
3 hrs 3 cr.
COMHE 20400 - AIDS and Society

The HIV/AIDS pandemic examined from a variety of perspectives: epidemiology, sociology, and media.
3 hrs3 cr.

COMHE 30100 - Introduction to Community and Public Health

An introduction to the study of structural inequalities that contribute to health disparities with an emphasis on communities – geographic, identity-based, or virtual, as the focus for research and intervention.

prereq: acceptance to the COMHE major, or permission of the instructor.
3 hrs3 cr.

COMHE 30200 - Principles of Health Promotion

Introduction to community health methods; presentation skills, learning theories.

prereq: acceptance to the COMHE major, or permission of instructor
3 hrs3 cr.

COMHE 30300 - Social Structure and Health

An exploration of the roles of economic structure and social linkages that shape health -- including power relations, interactions between subgroups within society, and tensions within groups over institutional control and individual agency.

prereq: acceptance to the COMHE major, or permission of the instructor
3 hrs3 cr.

COMHE 30400 - Introduction to Health Communication Theory and Practice

An introduction to the field of health communication with a particular emphasis on theoretical constructs, case studies and U.S. and international practical models and applications. Highlights the multidisciplinary and multifaceted nature of health communication and its contribution to the achievement of behavioral, social and organizational objectives as one of the keys to public health interventions.

prereq: acceptance to the COMHE major, or permission of the instructor
3 hrs3 cr.

COMHE 30600 - Social Disparities in Health

In depth examination of the social, cultural and political factors that influence and lead to health disparities and health inequalities. Course explores demographic trends in mortality and morbidity and the role of history, race, class, policy, and socioeconomic and cultural factors, and health literacy levels in the development and continuation of disparities in health. This course uses a social justice lens to understand health, health care and health disparities.

prereq: acceptance to the COMHE major or permission of the instructor.
3 hrs3 cr.

COMHE 32100 - Addictions and Dependencies
Recent research on alcohol, narcotics and other chemical dependencies. Strategies for intervention, prevention, and treatment, with emphasis on role of health education.

**prereq:** none

3 hrs 3 cr.

**COMHE 32200 - Maternal and Child Health**

Social, behavioral, and medical factors involved in contraception counseling, abortion and sterilization, prenatal care, childbirth, child health, parenting, and prevention of family violence. Effect of public, social welfare, and public health policy on mothers and children.

**prereq:** none

3 hrs 3 cr.

**COMHE 32300 - Health and Aging**

Demography, epidemiology, and sociology of aging. Public health policy and recent legislation affecting seniors and older adults in the U.S. and globally.

**prereq:** none

3 hrs 3 cr.

**COMHE 32400 - Human Sexuality**

Study of interaction of social, affective, and behavioral dimensions of sexuality, including gender identity, with a particular focus on the way sexuality shapes community health.

**prereq:** none

3 hrs 3 cr.

**COMHE 32500 - Environmental Public Health**

Impact of environmental problems associated with urbanization, e.g., water quality, air and noise pollution, waste disposal and radiation hazards.

**prereq:** acceptance to the COMHE major, or permission of the instructor

3 hrs 3 cr.

**COMHE 32600 - HIV/AIDS: An Interdisciplinary Perspective for Health Care Providers**

Interdisciplinary perspective on the impact of the HIV epidemic on the biological, psychological and social dimensions of people affected by HIV/AIDS.

**prereq:** none

3 hrs 3 cr.

**COMHE 32800 - Public Health Biology**

Introduction to population biology and ecological principles underlying public health and the relationship of biology to public health. Offers a basic understanding of the biological basis of core public health issues including infectious diseases, vaccines, genetic illnesses, neoplastic processes and environmental illnesses.

**prereq:** acceptance to the COMHE major or permission of the instructor

3 hrs 3 cr.
COMHE 33000 - Principles of Epidemiology

Methods of study of disease; risk factors; distribution, causes, prevention, and control of selected diseases.

\textit{prereq: Acceptance to the major, or permission of the instructor.}

3 hrs 3 cr.

COMHE 40000 - Topics in Community Health and Public Health

Content varies from semester to semester to address changing needs of profession.

\textit{prereq: none}

3 hrs 3 cr.

COMHE 40500 - Health Care Systems and Health Policy

Overview of U.S. health care system, official and voluntary agencies; introduction to administrative skills, especially those skills necessary for working the health care field.

\textit{prereq: Acceptance to the COMHE major or permission of the instructor.}

3 hrs 3 cr.

COMHE 40800 - New Media and Health

An introduction to key technological advances and current use of new media (Internet and other digital media, mobile technology, etc.) to communicate about health issues as part of broad community based public health and health communication interventions. It also provides students with practical skills in creating media for health promotion.

\textit{prereq: Acceptance to the COMHE major or permission of the instructor}

3 hrs 3 cr.

COMHE 41100 - Community Health Assessment

Introduction to assessing health needs of communities and populations, in preparation for fieldwork.

\textit{prereq: Acceptance to the COMHE major or permission of the instructor}

3 hrs 3 cr.

COMHE 41200 - Directed Fieldwork Practicum

\textit{prereq: Acceptance to the COMHE major or permission of instructor}

3 hrs 3 cr.

COMHE 41300 - Research Symposium

Data analysis, evaluation and write up of fieldwork research projects culminating in production of e-Portfolio.

\textit{prereq: Acceptance to the COMHE major or permission of the instructor}

3 hrs 3 cr.

COMHE 42000 - Introduction to Clinical Medicine

Role of health professionals in treatment, management and control of disease.

\textit{prereq: BIOL 12000 or 12200 or equiv.}

3 hrs 3 cr.
COMHE 48010 - Independent Study

Total credits in independent study courses and honors may not exceed 6.
prereq: perm director
hrs TBA1-3 cr. respectively

COMHE 48020 - Independent Study

Total credits in independent study courses and honors may not exceed 6.
prereq: perm director
hrs TBA1-3 cr. respectively

COMHE 48030 - Independent Study

Total credits in independent study courses and honors may not exceed 6.
prereq: perm director
hrs TBA1-3 cr. respectively

COMHE 49000 - Honors

Total credits in independent study courses and honors may not exceed 6.
prereq: perm director
hrs TBA3 cr.

Comparative Literature

COMPL 30100 - Seminar: Approaches to Comparative Literature

Study of selected major works to demonstrate scope and various approaches of comparative literature. Focus on conscious imitation, treatment of similar themes, use of well-defined genres and conventions as well as of concepts from history of ideas. Emphasis on close reading of texts and development of itical vocabulary.
Required of all majors in comparative literature.
3 hrs3 cr.

COMPL 32000 - Comparative Studies in Prose Fiction

May be taken more than once when content varies.
3 hrs3 cr.

COMPL 32100 - Comparative Studies in Prose Fiction

May be taken more than once when content varies.
3 hrs3 cr.

COMPL 33000 - Comparative Studies in Drama
May be taken more than once when content varies.

3 hrs 3 cr.

**COMPL 33100 - Comparative Studies in Drama**

May be taken more than once when content varies.

3 hrs 3 cr.

**COMPL 34000 - Perspectives on Literature and the Arts**

May be taken more than once when content varies.

3 hrs 3 cr.

**COMPL 34100 - Perspectives on Literature and the Arts**

May be taken more than once when content varies.

3 hrs 3 cr.

**COMPL 35000 - Comparative Studies in Literary Movements**

May be taken more than once when content varies.

3 hrs 3 cr.

**COMPL 35100 - Comparative Studies in Literary Movements**

May be taken more than once when content varies.

3 hrs 3 cr.

**COMPL 37000 - Comparative Studies in Myth and Folklore**

May be taken more than once when content varies.

3 hrs 3 cr.

**COMPL 37100 - Comparative Studies in Myth and Folklore**

May be taken more than once when content varies.

3 hrs 3 cr.

**COMPL 38000 - Selected Topics in Comparative Literature**

May be taken more than once when content varies.

3 hrs 3 cr.

**COMPL 38100 - Selected Topics in Comparative Literature**

May be taken more than once when content varies.

3 hrs 3 cr.

**COMPL 39000 - Honors Project**
COMPL 39100 - Honors Project

prereq: completion of 9 cr. in COMP-prefixed courses
3 hrs3 cr.

CSCI 11500 - Computer Technology in Childhood Education

Open only to students in QUEST program. Students learn to use a number of software tools and applications that can be infused into the curriculum of the elementary school. Includes a focus on information retrieval using Internet resources and use of such application packages as Microsoft Excel, Microsoft Power Point, Inspiration and Timeliner.

prereq or coreq: QSTA 40000
3 hrs (1 lec, 2 lab)2 cr.

CSCI 12000 - Introduction to Computers

GER 2/E
Intended for non-majors. Basic concepts of computer technology. Principles of hardware operation, software and networking. Roles of computers in society, including ethical and legal issues.

This course cannot be counted towards the CSCI major

prereq: none
3 hrs3 cr.

CSCI 12100 - Computers and Money: Quantitative Reasoning in Context

GER 1/B
Quantitative reasoning tackled from a computer based perspective and focusing on practical financial topics—stocks, gambling, inflation, diversification, taxes, hedging, saving, real estate, retirement and others. Students take a hands-on, spreadsheet-based approach to understanding issues of money and personal finance.

This course cannot be counted towards the CSCI major.

prereq: none
3 hrs3 cr.

CSCI 12700 - Introduction to Computer Science

GER 2/E
A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides.

May not be used toward the CSCI major or minor.

prereq or coreq: MATH 12100, 12500 or 15000
3 hrs3 cr.
CSCI 13200 - Practical UNIX and Programming, with Lab

GER 2/E
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition. 

This course cannot be counted towards the CSCI major.

prereq: none
3 hrs3 cr.

CSCI 13300 - Programming for Everyone

GER 2/E

A comprehensive practical course in programming that concentrates on producing working software for games, simulations, animations, data manipulations, interacting with the Internet, graphical user interfaces and many other application areas. No programming experience is necessary. This course is required for Computer Science minors. This course does not count toward the computer science major.

3 hrs3 cr.

CSCI 13500 - Software Analysis and Design I

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.

prereq: CSCI 12700 or equivalent
coreq: CSCI 13600
3 hrs3 cr.

CSCI 13600 - Supervised Programming Lab

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment.

May not be counted towards the computer science major.

coreq: CSCI 13500
2 hrs1 cr.

CSCI 15000 - Discrete Structures

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.

prereq: MATH 12500, 15000 or 15500
3 hrs3 cr.

CSCI 16000 - Computer Architecture I

GER 3/B
Boolean algebra, data representation, combinational circuits and minimization, sequential circuits.
CSCI 18100 - Independent Workshop

Outside internship in practical aspects of computing; e.g., systems programming, biomedical computing, computer-aided instruction.
Credits may not be used toward the computer science major.
prereq: declared computer science major with 18 credits completed in the department
1-3 hrs 1-3 cr.

CSCI 18200 - Independent Workshop

Outside internship in practical aspects of computing; e.g., systems programming, biomedical computing, computer-aided instruction.
Credits may not be used toward the computer science major.
prereq: declared computer science major with 18 credits completed in the department
1-3 hrs 1-3 cr.

CSCI 18300 - Independent Workshop

Outside internship in practical aspects of computing; e.g., systems programming, biomedical computing, computer-aided instruction.
Credits may not be used toward the computer science major.
prereq: declared computer science major with 18 credits completed in the department
1-3 hrs 1-3 cr.

CSCI 23200 - Relational Databases and SQL Programming, with Lab

GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.
Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.
prereq: CSCI 13200
3 hrs 3 cr.

CSCI 23300 - Programming Projects Seminar for Minors

This course will serve as a capstone for the minor, affording students the opportunity to write reasonably large and complex programs. Students will be expected to draw topics for these programs from their majors or other areas of interest. This course does not count toward the computer science major.
prereq or coreq: CSCI 13300 and 23200 and a declared Computer Science Minor.
2 hrs 1 credit

CSCI 23500 - Software Analysis and Design II

GER 3/B
Representation of information in computers, including process and data abstraction techniques. Topics covered include
static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.

prereq: CSCI 13500, 15000; MATH 15000
3 hrs 3 cr.

CSCI 24500 - Computer Architecture II

GER 3/B
Boolean algebra, data representation, combinational circuits and minimization, sequential circuits.
prereq: CSCI 145, CSCI 150, MATH 150
3 hrs 3 cr.

CSCI 26000 - Computer Architecture II

GER 3/B
Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.
prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs 3 cr.

CSCI 26500 - Computer Theory I

GER 3/B
Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata.
prereq: CSCI 16000 or 14500; MATH 15000
3 hrs 3 cr.

CSCI 26700 - Microprocessors and Embedded Systems

GER 3/B
Students will assemble and program a small single board computer to control, or simulate control of, some device.

prereq: CSCI 13300 or 26000
3 hrs 3 cr.

CSCI 33500 - Software Analysis and Design III

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.
prereq: CSCI 23500, MATH 15500
3 hrs 3 cr.

CSCI 34000 - Operating Systems

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.
CSCI 35000 - Artificial Intelligence

GER 3/B
A survey of artificial intelligence including search and control, knowledge representation, logic and theorem proving, learning, natural language and AI programming.

prereq: CSCI 235
3 hrs3 cr.

CSCI 35500 - Introduction to Linear Programming

GER 3/B
Introduction to operations research and game theory. Simplex method; inconsistency, redundancy and degeneracy problems; two-phase method; duality; transportation problems.

prereq: CSCI 235, MATH 160
3 hrs3 cr.

CSCI 36000 - Computer Architecture III

GER 3/B
High performance computer architectures, including massively parallel SIMD and MIMD machines and distributed architectures.

prereq: CSCI 26000 or 24500; MATH 15500
3 hrs3 cr.

CSCI 36500 - Computer Theory II

GER 3/B
Turing machines, Post machines, Post's theorem, Minsky's theorem. Determinism and non-determinism. Undecidability, the halting problem. Recursive function theory.

prereq: CSCI 265
3 hrs3 cr.

CSCI 39100 - Independent Study in Computer Science

GER 3/B
Independent work, under the direction of a faculty member, in practical aspects of computing.

CSCI 39100 is repeatable up to a total of 6 credits; however, no more than a total of three Independent Study credits may be used toward the computer science major.

prereq: declared Computer Science major, perm instr. and dept.
1-3 hrs1-3 cr.

CSCI 39200 - Independent Study in Computer Science

GER 3/B
Independent work, under the direction of a faculty member, in practical aspects of computing.

prereq: declared Computer Science major, perm instr. and dept.
1-3 hrs1-3 cr.
CSCI 39300 - Independent Study in Computer Science

GER 3/B
Independent work, under the direction of a faculty member, in practical aspects of computing.
_prereq: declared Computer Science major, perm instr. and dept.
1-3 hrs1-3 cr.

CSCI 39400 - Programming in Python, Perl and PHP

GER 3/B
An introduction to programming in Python, Perl and PHP.
_prereq: CSCI 23500 or permission of department and instructor.
2 hrs2 cr.

CSCI 39500 - Topics in Computer Science

GER 3/B
Topics include internet security, web programming, genetic algorithms, expert systems and others.
Prerequisites vary with specific topics and are announced prior to registration.
3 hrs3 cr.

CSCI 40500 - Software Engineering

GER 3/B
Problems in large-scale software development including functional analysis of information processing systems, system design concepts, timing estimates, documentation and system testing.
_prereq: CSCI 33500
3 hrs3 cr.

CSCI 41500 - Data Communications and Networks

GER 3/B
A broad technical introduction to the components, protocols, organization, industry and regulatory issues that are fundamental to the understanding of contemporary computer networks.
_prereq: CSCI 33500, 34000
3 hrs3 cr.

CSCI 43500 - Database Management

GER 3/B
Hierarchical and network databases; theory of relational databases; normalization theory; query languages.
_prereq: CSCI 33500
3 hrs3 cr.

CSCI 45000 - Language Translation

GER 3/B
The theory and application of language recognition and analysis techniques, as they pertain to both formal programming languages and to natural languages. Includes lexical, syntactic and semantic analysis methods, as well as discussions of efficient data representation.
CSCI 46000 - Advanced Programming Languages

GER 3/B
Survey course on the design and implementation of modern programming languages. Includes object-oriented, functional, logic and concurrent/distributed paradigms.

prereq: CSCI 26500, 33500
3 hrs3 cr.

CSCI 49300 - Honors Seminar

GER 3/B
Topics include Unix systems programming, computer law, 3D vision, Windows programming, neural networks, speech and language processing, fuzzy systems and other areas. Prerequisites vary with specific topics and are announced prior to registration.

prereq: Prerequisites vary with specific topics and are announced prior to registration.
3 hrs3 cr.

CSCI 49366 - UNIX System Programming

GER 3/B
An introduction to the key components of the UNIX application programming interface, including files, processes, terminal control, signals, interprocess communication, the ncurses library, and multi-threading. Includes basic of the internal structure of the UNIX operating system, and selected user-level utilities and commands for efficient programming and working in UNIX.

prereq or coreq: CSCI 23500, 34000
3 hours3 credits

CSCI 49600 - Supervised Research

Supervised work under the direction of a faculty member on an original research project. Although student-initiated projects are acceptable, in most cases students will be expected to work within a faculty member's active research area. These courses are repeatable. However, no more than a total of nine (9) Supervised Research credits may be counted toward the computer science major.

prereq: declared Computer Science major, perm instr. and dept.
1-3 hrs1-3 cr.

CSCI 49700 - Supervised Research

Supervised work under the direction of a faculty member on an original research project. Although student-initiated projects are acceptable, in most cases students will be expected to work within a faculty member's active research area. These courses are repeatable. However, no more than a total of nine (9) Supervised Research credits may be counted toward the computer science major.

prereq: declared Computer Science major, perm instr. and dept.
1-3 hrs1-3 cr.

CSCI 49800 - Supervised Research
Supervised work under the direction of a faculty member on an original research project. Although student-initiated projects are acceptable, in most cases students will be expected to work within a faculty member's active research area. These courses are repeatable. However, no more than a total of nine (9) Supervised Research credits may be counted toward the computer science major.

\textit{prereq:} declared Computer Science major, perm instr. and dept.

1-3 hrs, 1-3 cr.

**CSCI 49900 - Advanced Applications: A Capstone for Majors**

A chance for computer science majors to test their mettle on major projects. Working in small groups they will implement systems that involve at least two platforms running programs written in at least three languages.

\textit{prereq:} All non-elective courses in Computer Science required for graduation or permission of instructor.

4 hrs, 4 cr.

**Dance: Creative Theory and Performance Courses**

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

**DAN 22100 - Improvisation as a Creative Process I**

GER 3/A

Introduction to basic skills of structured improvisation; use of these skills by individual students to explore their creative movement potential.

\textit{All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.}

\textit{prereq or coreq:} DAN 21000 or perm dept.

3 hrs, 2 cr.

**DAN 32100 - Composition I**

GER 3/A

Assignments geared to challenge and develop creative skills; emphasis on understanding form and its relation to content; mastering structural requirements of composition.

\textit{All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.}

\textit{prereq:} DAN 22100

3 hrs, 3 hrs open studio, 2 cr.

**DAN 32400 - Production I**

GER 3/A

Practical experience in all aspects of production that contribute to realization of student's choreographic intentions: costumes, sets, lighting, publicity and business skills.

\textit{All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.}

\textit{prereq:} DAN 32100 or perm dept.

3 hrs, 3 hrs open studio, 3 cr.
DAN 42100 - Composition II

GER 3/A
Continued application of basic principles of composition; conception, planning and realization of complete dances; preparation of dances for concert by integrating all aspects of production.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 32100, perm dept.
3 hrs, 3 hrs open studio2 cr.

DAN 42200 - Choreographic Projects

GER 3/A
Independent student choreographic works in preparation for performance in concert. Registration once per academic year.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 32100
3 hrs, 3 hrs open studio3 cr.

DAN 42400 - Production II

GER 3/A
Practical application of advanced production skills.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 32400
3 hrs, 3 hrs open studio3 cr.

DAN 43200 - Repertory I

GER 3/A
Open to dance majors and minors only. Performance course for advanced students. A dance is learned from professional choreographer's repertory and performed in concert. The choreographer and choreographic material change every semester. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq or coreq: DAN 31000, 32100 or perm instr, audition
4 hrs, 2 hrs open studio3 cr.

DAN 43300 - Repertory II

GER 3/A
Open to dance majors and minors only. Continuation of DAN 43200. A new dance is created by a professional choreographer and performed in concert. The choreographer and choreographic material change every semester. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 32000, 43200 or perm instr, audition
4 hrs, 2 hrs open studio3 cr.
DAN 44000 - Lecture/Demonstration Touring Group

GER 3/A
Performance of prescribed choreography in lecture/demonstration format to be presented in public schools on a weekly basis during the fall semester. Open to dance majors/minors only. Students must be available to rehearse intensively for 1 week before classes begin.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 22000, 22100, 24500, perm dept.
4 hrs3 cr.

Dance: Technique Courses

A placement audition or departmental permission is required for all students enrolling in dance technique courses. This audition is held the day before the start of each semester (except for summer session courses). Students who are registered but do not pass the audition will be asked to drop the course. Registered students who miss the placement audition or the first day of class must notify the dance office before the first class session and may be asked to drop the course. Final placements and permission to continue in a given course are determined in the first class meeting for all technique courses.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

DAN 10100 - Fundamentals of Contemporary Dance Technique

Survey of concepts involved in understanding and integrating physicality and creativity through movement. Review of basic skills required for further study. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: minimum 12 cr, audition
3 hrs2 cr.

DAN 14500 - Fundamentals of Ballet

Introduction to fundamental skills and nomenclature of ballet. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: minimum 12 cr, audition
3 hrs2 cr.

DAN 15100 - Folk Forms of Dance I

Development of basic dance skills necessary for participation in international folk dances. Students are exposed to dance and music of world cultures.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

3 hrs1 cr.

DAN 21000 - Contemporary Dance Technique I
GER 3/A
Analytical and physical study of basic concepts of dance: space, time, dynamics and design. Intermediate development of movement skills and vocabulary as required by professional demands. May be taken 2 times for credit with permission of the department.
prereq: DAN 10100, perm dept, audition
3 hrs2 cr.

DAN 22000 - Contemporary Dance Technique II

GER 3/A
Development of expanded movement vocabulary and increased facility; understanding dance as means of communication; ordering of movement to produce controlled performance. May be taken two times for credit with permission of the department.
prereq: DAN 21000, perm dept, audition
3 hrs2 cr.

DAN 24500 - Ballet I

GER 3/A
Intermediate level study of stylistic demands and vocabulary of ballet and introduction to ballet traditions. May be taken two times for credit with permission of the department.
prereq: DAN 14500, perm dept, audition
3 hrs2 cr.

DAN 25100 - Folk Forms of Dance II

GER 3/A
Expanded progressions in folk forms of dance. Presentation of materials based on advanced skills.
prereq: DAN 15100
3 hrs1 cr.

DAN 25200 - Special Topics: Traditional Dance I

GER 3/A PD/A
Introduction to the cultural background and basic techniques of individual traditions of dance, such as African, Classical Indian, Afro-Brazilian, T'ai Chi, Capoeira, Yoga and advanced post-modern dance. May be taken two times for credit with permission of the department.
prereq: audition
3 hrs2 cr.

DAN 31000 - Contemporary Dance Technique III

GER 3/A
Advanced movement experience to prepare students to carry out their own creative demands or demands of other choreographers; continued in depth study of all concepts of dance. May be taken two times for credit with permission of the department.
prereq: DAN 22000, audition
3 hrs2 cr.

DAN 32000 - Contemporary Dance Technique IV
GER 3/A
Development of pure dance skills to enable student to learn specific styles of dance; emphasis on expanding dynamic range and clarifying performance intention. May be taken two times for credit with permission of the department.
prereq: DAN 31000, audition
3 hrs2 cr.

DAN 34500 - Ballet II
GER 3/A
Continuation of traditional exercises to acquaint student with elements of classic ballet; emphasis on development of advanced technical ability. May be taken two times for credit with permission of the department.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 24500, audition
3 hrs2 cr.

DAN 35200 - Special Topics: Traditional Dance II
GER 3/A PD/A
Continuation of DAN 25200.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 25200, audition
3 hrs2 cr.

Dance: Theoretical and Scientific Aspects of Dance Courses
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

DAN 10200 - Dance, Dancers and the Audience
GER 2/D
Lecture demonstration course designed to introduce students to the art of dance through analysis of history, dance style and socio-political underpinnings. This course includes participation in both lecture and movement sessions.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: minimum 12 cr.
3 hrs3 cr.

DAN 21300 - Basic Musicianship for Dancers
GER 3/A
Basic music theory in relation to dance. Development of auditory and kinesthetic understanding of melody, rhythm and harmony through movement. Open only to Dance majors and minors.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 21000
3 hrs2 cr.
DAN 23200 - 20th-Century Dance History

GER 2/D PD/D
Readings, lectures, films, discussions of 20th century ballet, modern, social and popular theatre dance forms; analysis of individual styles and cultural trends.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
3 hrs 3 cr.

DAN 35000 - Anatomy and Kinesiology for Dancers

GER 3/A
Anatomy of skeletal, muscular and neuromuscular systems; anatomical analysis of basic movement; application of anatomical information to proper and successful performance of dance.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 22000, perm dept.
3 hrs 3 cr.

DAN 46100 - Seminar in Dance

GER 3/A
Survey of dance careers, grant writing, arts administration, resume writing and relevant topics related to the socio-political climate of our times in relation to art.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 31000, DAN 32100
3 hrs 3 cr.

DAN 48000 - Independent Study in Dance

GER 3/A
In-depth study in area of special interest for qualified students under direction of faculty adviser.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: minimum 15 dance received at Hunter, major GPA 3.0, overall GPA 2.5. Open to dance majors and minors only.
3-9 hrs 1-3 cr.

DAN 49000 - Honors in Dance

GER 3/A
Open to Jr/Sr Dance majors only. Individual study leading to completion of honors essay or production book in creative performance.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: minimum 18 dance, major GPA 3.5, overall GPA 2.8
hrs TBA 1-3 cr.

DAN 49800 - Internship
GER 3/A
Open to dance majors with 15 credits in dance from Hunter.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 32400
hrs TBA-6 cr.

**Economics: Introductory Course**

ECO 10000 - Introduction to Economics

GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics.
_Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents._
3 hrs3 cr.

**Economics: 200-Level Core Courses**

ECO 20000 - Principles of Economics: Microeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
_prereq: MATH 10100 or exemption from the course_
3 hrs3 cr.

ECO 20100 - Principles of Economics: Macroeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.
_prereq: MATH 10100 or exemption from the course_
3 hrs3 cr.

ECO 22000 - Techniques of Economic Analysis

GER 3/B
Mathematical techniques applied to economic models.
_prereq: ECO 20000; MATH 12500 or exemption from the course_
3 hrs3 cr.

ECO 22100 - Economic Statistics I
GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.
prereq: MATH 12500 or exemption from the course
3 hrs 3 cr.

Economics: 200-Level Elective Courses

ECO 21000 - Money and Banking

GER 3/B
Monetary and banking principles and practice; current issues; theory and policy.
prereq: ECO 20000, 20100
3 hrs 3 cr.

ECO 26000 - Business Organization and Management

GER 3/B
The economic theory of the firm, including the formal analysis of incentives and contracts. Particular focus on how the internal organization of the firm can mitigate the negative effects of conflicts of interest between different stakeholders in the firm.
prereq: ECO 20000
3 hrs 3 cr.

ECO 29500 - Selected Topics in Economics

GER 3/B
Special topics and issues of research and policy interest. Topics vary each semester. May be repeated for a total of 6 credits.
prereq: ECO 20000 or 20100
3 hrs 3 cr.

Economics: 300 and 400 Level Advanced and Elective Courses

ECO 30000 - Intermediate Microeconomics

GER 3/B
Price determination of goods and factors in markets of varied structures; general equilibrium analysis.
prereq: ECO 20000, 20100, 22000
3 hrs 3 cr.

ECO 30100 - Intermediate Macroeconomics

GER 3/B
Measurement and dynamics of national income, employment and growth; policy options.
ECO 31000 - Financial Institutions

GER 3/B
Operation, administration and regulation of U.S. banking, investment and credit institutions.
\textit{prereq: ECO 21000}
\textit{3 hrs3 cr.}

ECO 31500 - Public Finance

GER 3/B
Theory and application of fiscal policy; federal budgeting; state and local finance.
\textit{prereq: ECO 20000}
\textit{3 hrs3 cr.}

ECO 32100 - Economic Statistics II

GER 3/B
Linear and curvilinear correlation and regression; variance; testing; time series.
\textit{prereq: ECO 22000, 22100; CSCI 10000 or equiv.}
\textit{3 hrs3 cr.}

ECO 33000 - Economic Development

GER 3/B PD/A
Critical variables explaining the diversity of growth and economic and development outcomes across developing countries. Theories, case studies, measurement and policies.
\textit{prereq: ECO 20100}
\textit{3 hrs3 cr.}

ECO 34000 - International Trade

GER 3/B
Theories of international trade and international trade policies.
\textit{prereq: ECO 20000}
\textit{3 hrs3 cr.}

ECO 34100 - International Finance

GER 3/B
Theories of exchange-rate determination and open-economy macroeconomic theory and policy.
\textit{prereq: ECO 20100}
\textit{3 hrs3 cr.}

ECO 34500 - Women and Men in the Labor Market

GER 3/B PD/C
Demand for labor, determination of wages and allocation of time between paid and unpaid activities, “human capital”
investments, labor market policy issues.

*cross-listed* WGS 34500

**prereq:** ECO 20000

3 hrs 3 cr.

**ECO 35000 - Comparative Economic Systems**

*GER 3/B PD/ C or D*

Comparative analysis of market and planned economies in theory and practice. Process and problems of transitions between planned and market economies.

**prereq:** ECO 20000, 20100

3 hrs 3 cr.

**ECO 35500 - Industrial Organization**

*GER 3/B*

Behavior of firms in imperfectly competitive markets. Topics include the acquisition and use of market power, strategic interactions among firms, and the role of government policy.

**prereq:** ECO 20000

3 hrs 3 cr.

**ECO 35600 - Business and Public Policy**

*GER 3/B*

Analysis of the intersection between business and government in market economies. Topics may include protection of intellectual property, economic regulation, health and safety regulation, antitrust, and the behavior of private firms in the political and social realms.

**prereq:** ECO 20000

3 hrs 3 cr.

**ECO 36000 - Managerial Economics**

*GER 3/B*

Theory of the firm, risk and uncertainty; forecasting, capital allocation, analysis of costs and returns, pricing.

**prereq:** ECO 20000

3 hrs 3 cr.

**ECO 36500 - Corporate Finance**

*GER 3/B*

Analysis of corporate investment and financing decisions.

**prereq:** ECO 20000 and ECO 22100 or STAT 21300

3 hrs 3 cr.

**ECO 36600 - Security and Investment Analysis**

*GER 3/B*

Operation of the stock market; security analysis and evaluation; economic variables influencing security values.

**prereq:** ECO 36500

3 hrs 3 cr.
ECO 37000 - Law and Economics

GER 3/B
Analytical tools of microeconomics are used to examine various aspects of the law, including property, contracts, torts, liability, and criminal and family law.
prereq: ECO 20000
3 hrs 3 cr.

ECO 39000 - Independent Study in Economics

GER 3/B
Open to economics majors and minors. Individual readings, tutorials, research. Written report. May be repeated for total of 6 cr. Not open to accounting majors.
prereq: perm chair and faculty sponsor
3 hrs 3 cr.

ECO 39500 - Selected Topics in Economics

GER 3/B
Jr/Sr majors only. Special readings, research and seminar discussions on selected topics announced each semester. May be repeated for a total of 6 cr.
3 hrs 3 cr.

ECO 42600 - Computer Applications in Economics

Acquisition of computer skills and their application to empirical economic analysis.
prereq: ECO 22100 and declaration of economics major
3 hrs 3 cr.

ECO 49500 - Selected Topics in Economics

Jr/Sr majors only. Special readings, research papers and seminar discussions on selected advanced topics announced each semester. May be repeated for total of 6 cr.
prereq: ECO 30000 or 30100
3 hrs 3 cr.

ECO 49600 - Honors Seminar in Economics

Jr/Sr majors only. Special readings, research and seminar discussions on selected topics announced each semester. May be repeated for total of 6 cr.
prereq: 3.5 GPA in economics, perm chair
3 hrs 3 cr.

ECO 49800 - Internship in Economics of Accounting

Opportunities for working in positions of responsibility in professional institutions (including government agencies, private firms and not-for-profit institutions) for academic credit. The position must provide opportunities for learning about some area of economics, accounting, business or related public policy. Credits may not be used towards the requirements for the economics or accounting major. CR/NC grading is mandatory.
prereq: Open only to qualified economics or accounting majors, upper Junior/Senior only. Enrollment is subject to
approval of department adviser. Course may be taken no more than twice.
1 hr 1 cr.

ECO 49900 - Honors Project

Jr/Sr only. Supervised individual research and directed reading. Honors essay.
prereq: For accounting majors: ECO 32100 and 37200; For economics majors: ECO 30000, 30100 and 32100. A 3.5 GPA required in the major offered by the department and permission of the chair
3 hrs3 cr.

Economics: Accounting and Business Law

ECO 27100 - Accounting I

Basic accounting concepts; preparation of financial statements. Emphasis on income determination and financial position.
prereq: upper freshman standing
3 hrs3 cr.

ECO 27200 - Accounting II

Accounting concepts applied to partnerships and corporations; funds statements; financial statement analysis.
prereq: ECO 27100
3 hrs3 cr.

ECO 28000 - Business Law I

Legal institutions; contract law and commercial paper law with focus on Uniform Commercial Code.
prereq: sophomore standing or perm chair
3 hrs3 cr.

ECO 37100 - Intermediate Accounting I

In-depth study of current concepts relating to accounting for assets and current liabilities.
prereq: ECO 27200
3 hrs3 cr.

ECO 37200 - Intermediate Accounting II

Revenue recognition; accounting for equities, income taxes, pensions, leases, price level changes.
prereq: ECO 37100
3 hrs3 cr.

ECO 37300 - Federal Income Taxation
Principles of federal income taxation and the impact of taxes on individuals. 
prereq or coreq: ECO 37200 or perm chair
3 hrs, 3 cr.

ECO 37400 - Managerial Accounting (Cost Accounting)

Accumulation, analysis, presentation and use of cost data by management; budgets. 
prereq: ECO 37200 or perm chair
3 hrs 3 cr.

ECO 38000 - Business Law II

Legal aspects of business organizations; agency, partnership and corporate relationships. 
prereq: ECO 28000
3 hrs 3 cr.

ECO 47100 - Advanced Accounting I

prereq: ECO 37200
3 hrs 3 cr.

ECO 47200 - Advanced Accounting II

Accounting theory and practice focused on partnerships, joint ventures, multinationals, government and public sector entities; not-for-profit accounting; interim and segment reporting; SEC problems, fiduciary accounting, bankruptcy. 
prereq: ECO 37200
3 hrs 3 cr.

ECO 47300 - Business Taxes

Federal income taxation of partnerships and corporations; other special tax issues. 
prereq: ECO 37300
3 hrs 3 cr.

ECO 47500 - Auditing

Auditing theory and practices; ethics of accounting profession; procedures for auditing financial statements. 
prereq: ECO 47100
4 hrs 4 cr.

ECO 47600 - Computer Accounting Systems

prereq: ECO 37200 and declaration as an accounting major
3 hrs 3 cr.

ECO 48000 - Business Law III
Sales and financing devices under Uniform Commercial Code; property; trusts and estates; bankruptcy; other selected topics.

**pre: ECO 38000**
3 hrs 3 cr.

**ECO 49000 - Accounting & Auditing Research**

Acquisition of research, analytical and communication skills. Provides coverage of fundamental knowledge and skills to conduct research as well as their application through announced readings, cases and research discussions on selected topics. Requires extensive Internet and library research including the use of FASB codification database.

**pre: ECO 22100**
**pre: ECO 47500**
3 hrs 3 cr.

**Economics: Courses Less Frequently Offered**

**ECO 30500 - Development of Economic Thought**

GER 3/B

**ECO 33100 - Economic History**

GER 3/B

**ECO 33600 - Regional Economics**

GER 3/B

**ECO 34600 - The Labor Movement**

GER 3/B

**ECO 35200 - Economics of the Caribbean**

GER 3/B

**ECO 36700 - Analysis of Financial Statements**

GER 3/B

**ECO 42100 - Econometrics**

**Education: Adolescent**
SEDC 21000 - Building the Foundations of Literacy in Grades 7-12

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

3 hrs 3 cr.

SEDC 21100 - Young Adult Literature in Our Diverse Society

Familiarizes prospective teachers with a wide variety of literature for or about young adults. Books discussed and dramatized during each session reflect diverse cultures, varying learning styles, and special needs of young adults. The English language arts standards are addressed as delineated in city and state regulations. Literacy and comprehension skills are explored as well.

prereq or coreq: SEDF 20300, 20400

3 hrs 3 cr.

SEDC 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

The nature of language, and language acquisition/learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.

prereq or coreq: SEDF 20300, 20400

3 hrs 3 cr.

SEDC 21300 - Methods I: Classroom Organization, Management and Instruction in Mathematics and Science, Grades 7-12

Candidates will identify the impact of various classroom organization patterns, rules and routines. Candidates will be able to design, implement and evaluate lessons in the context of state and city standards for learning in grades 7-12.

prereq or coreq: SEDF 20300, 20400

3 hrs 3 cr.

SEDC 21500 - Methods I: Classroom Organization, Management, and Instruction in Social Studies, Grades 7-12

Rationales and methodologies for teaching social studies based on current theories of the nature of students, the social sciences and secondary schooling.

prereq or coreq: SEDF 20300, 20400

3 hrs 3 cr.

SEDC 22000 - Adolescent Health and Safety

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

prereq: SEDF 20300, 20400

1 hr 1 cr.
SEDC 32100 - Teaching English Methods to a Diverse Population in Grades 7-12

Methodology that facilitates the learning of English language arts for a diverse population in secondary schools. Teacher candidates will engage in ways of teaching adolescents the skills of reading, responding to literature, writing (creative and expository), listening, speaking, and applying grammar conventions. They will write lesson and unit plans and experiment with classroom management and assessment techniques as they present lessons to the class for peer and instructor criticisms. State and city teaching standards will be applied throughout the course.

prereq: SEDC 21100
prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork2 cr.

SEDC 32200 - Methods II: Instructional Planning for Literacy, Language, and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

Standards that impact on the teaching of foreign/heritage languages at the secondary level. Emphasis is placed on the strategies, methods and materials used in planning instruction around the standards. Classroom observations will serve as a catalyst for discussion.

prereq: SEDC 21200
prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork2 cr.

SEDC 32300 - Methods II: Teaching Diverse Learners in Mathematics, Grades 7-12

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in mathematics. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

prereq: SEDC 21300
prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork2 cr.

SEDC 32400 - Methods II: Teaching Diverse Learners Science, Grades 7-12

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in science. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

prereq: SEDC 21300
prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork2 cr.

SEDC 32500 - Methods II: Teaching Diverse Learners in Social Studies, Grades 7-12

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in the social studies. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

prereq: SEDC 21500
prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork2 cr.
SEDC 45100 - Student Teaching in English, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified English teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32100
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45210 - Student Teaching in Chinese, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Chinese teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45220 - Student Teaching in French, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified French teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45230 - Student Teaching in German, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified German teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45250 - Student Teaching in Hebrew, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Hebrew teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45260 - Student Teaching in Italian, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Italian teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45270 - Student Teaching in Russian, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Russian teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45280 - Student Teaching in Spanish, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Spanish teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45300 - Student Teaching in Mathematics, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified math teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32300
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45410 - Student Teaching in Biology, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified biology teacher in a New York City school selected by
the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32400
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.

**SEDC 45420 - Student Teaching in Chemistry, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified chemistry teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32400
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.

**SEDC 45430 - Student Teaching in Physics, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified physics teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32400
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.

**SEDC 45500 - Student Teaching in Social Studies, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified social studies teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32500
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

3 hrs3 cr.

**SEDF 20400 - Adolescent Development**
The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.
2 hrs per week plus 36 hrs fieldwork2 cr.

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.
prereq: SEDF 20300, 20400
2 hrs per week plus 36 hrs fieldwork2 cr.

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.
prereq: SEDF 20500, SEDC 21000
2 per week plus lab2 cr.

**Education: Quest (Childhood)**

**QSTA 40000 - The Art of Effective Teaching**

This course is designed to orient elementary school teacher candidates to the world of urban education and their roles as quality educators. An introduction to the basic pedagogical practices of teaching, the connection between theory and practice as it relates to the role of teachers, instructional methods for teaching diverse student populations, effective classroom management practices, organizational strategies, motivation techniques and methods of assessment.
3 hrs3 cr.

**QSTA 40100 - Developmental Reading**

Theoretical and practical aspects of literacy with particular emphasis on teaching literacy to diverse populations. In addition, the role of family and community involvement and the use of technology for literacy development will be stressed.

coreq: QSTB 20200, QSTAB 30000
prereq or coreq: QSTA 40000, CSCI 11500
2 hrs2 cr.

**QSTA 40600 - Mathematics Teaching and Learning in Elementary School**

Modern methods for teaching mathematics through understanding in the elementary grades.

Transfer students may be allowed to enroll in QSTA 40600 after completing MATH 10400 and registering for MATH 10500 if their progress through the QUEST program would be delayed by the MATH 10500 prerequisite requirement.

prereq: MATH 10400, 10500, QSTA 41000, 41200, QSTAB 30000
coreq: QSTB 41300, QSTAB 30200
2 hrs2 cr.
QSTA 40700 - The Arts: An Interdisciplinary Learning Experience

Offered in collaboration with Lincoln Center Institute, this course is designed to introduce teacher candidates to the role of arts in learning across the curriculum. Teacher candidates will experience the creative process through hands-on study of works of art (visual arts, music, theatre, and dance) to enhance the aesthetic sensibilities of students in grades 1-6.

*prereq: QSTA 40100, QSTB 20200, QSTAB 30000
3 hrs3 cr.*

QSTA 41000 - Literacy Across the Content Areas

Theoretical, methodological, practical, and technological aspects of teaching literacy to elementary school students with an emphasis on meeting the literacy needs of diverse student populations.

*prereq: QSTA 40100, QSTB 20200, QSTAB 30000, CSCI 11500coreq: QSTA 41200, QSTAB 30100
2 hrs2 cr.*

QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools

Teaching social studies through literature, the arts, and technology in grades 1-6. Literature selections will include original documents, essays, historical fiction, novels, diaries, journals, poetry, drama and folktales. Instructional strategies will include interdisciplinary curriculum and differentiated learning, teaching, and assessment strategies for English language learners and students with disabilities. Diverse activities will include utilizing the community, particularly museums, as a laboratory for student learning.

*prereq: QSTA 40100, QSTB 20200, QSTAB 30000coreq: QSTA 41000, QSTAB 30100
2 hrs2 cr.*

QSTA 41400 - Teaching Science in Elementary Schools

This course is inquiry-based or process-oriented. Focuses on the doing part of science more than the facts part of science. Includes analysis of local, state and national science standards, working with students from culturally diverse backgrounds, using multimedia technology effectively, and working with parents and the community. Students will be observed in science teaching activities during their co-requisite student teaching in science.

*prereq: QSTA 40600, 41000, 41200, QSTAB 30100coreq: QSTA 41500
2 hrs2 cr.*

QSTA 41500 - Student Teaching

Supervised student teaching experience in an elementary school setting at one grade level from grades 1-6. Requirements include four full days per week of student teaching for a minimum of 50 days, 30 hours of seminars and conferences, and attendance at professional development workshops.

*prereq: QSTA 40600, 40700, QSTB 41300, QSTAB 30200, HED 31400coreq: QSTA 41400
2 per week of seminar plus student teaching4 cr.*

QSTAB 30000 - Fieldwork I: Fieldwork for Child Development and Developmental Reading
Supervised experiences in classroom applications of QSTA 40100: Developmental Reading and QSTB 20200: Child Growth and Development. Students will complete 6 per week of fieldwork for a minimum of 75 contact per semester. Students will develop guided observation skills, acquire practical knowledge of the design and management of instruction and the classroom environment, and work effectively with individual students and small work groups. Students receiving a grade of C in fieldwork must apply to the chairperson for permission to re register for the course. Fieldwork may be repeated only once. Students who receive a grade lower than C may not repeat the course and may not continue in the program.

**coreq:** QSTA 40100, QSTB 20200  
**prereq or coreq:** QSTA 40000, CSCI 11500  
75 hrs1 cr.

**QSTAB 30100 - Fieldwork II: Fieldwork for Literacy Across the Content Areas and Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools**

Supervised experiences in classroom applications of QSTA 41000 - Literacy Across the Content Areas and QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools. Students will complete 6 of fieldwork per week for a minimum of 75 contact per semester. Students will develop the ability to apply theoretical concepts and deliver instruction to individuals and small groups of children. Students will design or adapt curriculum that meet the needs of diverse learners, including children with special needs and English language learners.

**prereq:** QSTA 40100, QSTB 20200, QSTAB 30000  
**coreq:** QSTA 41000, 41200  
75 hrs1 cr.

**QSTAB 30200 - Fieldwork III: Fieldwork for Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning**

Supervised experiences in classroom applications of QSTA 40600: Mathematics Teaching and Learning in Elementary School and QSTB 41300: Psychology of Teaching and Learning. Students will complete 6 of fieldwork per week for a semester minimum of 75 contact to demonstrate the ability to apply knowledge acquired in the Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning courses to effectively deliver instruction in the content areas to individual children, small work groups, and large groups of children.

**prereq:** QSTA 41000, 41200, QSTAB 30100  
**coreq:** QSTA 40600, QSTB 41300  
75 hrs1 cr.

**QSTB 20200 - Child Growth and Development**

The biological, cognitive, emotional, linguistic, moral, physical and social aspects of development will be addressed with respect to their role in children's experiences in school. The critical application of developmental theories and research to diverse populations will be emphasized. Contextual influences on children's development, including family, peers and the media will be included.

**coreq:** QSTA 40100, QSTAB 30000  
**prereq or coreq:** CSCI 11500, QSTA 40000  
2 hrs2 cr.

**QSTB 40300 - Social Foundations of Urban Education**
Contemporary issues and themes in the social foundations of childhood education viewed from an interdisciplinary perspective. Special emphasis on the role of family and community in the educational process.

**prereq:** *QSTA 40100, QSTB 20200, QSTAB 30000*

3 hrs 3 cr.

**QSTB 41300 - Psychology of Teaching and Learning**

The critical application of psychological theories and principles to classroom instruction, including: learning styles; instructional models; effective teaching; motivation; student diversity; students with special needs; classroom management; and formal and informal assessment.

**prereq:** *QSTA 41000, 41200, QSTAB 30100*

**coreq:** *QSTA 40600, QSTF 30200*

2 hrs 2 cr.

**Education: Dance Education**

**DANED 30200 - Theory and Practice of Teaching Dance (pre-K-12)**

Methods of teaching dance in grades pre-K-12 to students with diverse backgrounds and abilities in diverse learning environments; the organization of instruction and classroom management strategies; technological resources; community and family resources.

*Field work required.*

**prereq:** completed 12 cr in dance or perm dance adviser

**prereq or coreq:** *SEDF 20400*

3 hrs plus 36 hours fieldwork 4 cr.

**SEDC 45600 - Student Teaching in Dance, Grades Pre-K-12**

Two 30-day supervised placements (one in grades pre-K-6 and one in grades 7-12) in New York City public schools selected by Hunter College. Special Conditions: Students must apply for student teaching the fall semester before enrolling in this course. Scores on the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examination must have been received by the coordinator of adolescent education prior to enrollment in student teaching.

**prereq or coreq:** *SEDF 20600, SEDC 22000*

2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

**Education: Health Education**

**HED 20100 - Women and Health**

PD/C

An exploration of health issues affecting women, particularly as these issues relate to the socialization of women, reproductive and sexual health, and medical practices.
cross-listed WGS 25100
3 hrs 3 cr.

HED 30500 - Sex Education

An overview of human sexuality through affective processes with an emphasis on social and cultural influences, and the role of family and school in sexuality education.
3 hrs 3 cr.

HED 30600 - Drugs and Drug Dependencies

The nature of addiction and dependency. The course focuses on social learning theory and the role of family, school, and community in drug prevention education.
3 hrs 3 cr.

HED 31400 - Health Education for the Classroom Teacher

The preparation of the elementary educator to assist children in grades 1-6 in making decisions for optimum health and wellness, including nutrition education and fitness; mental/emotional health and conflict resolution; drug education; stress management; safety education including fire safety; family living/sex education including HIV/AIDS education and orientation issues; personal safety and the role of the classroom teacher as a mandated reporter of child abuse and neglect; environmental health; and violence prevention.
prereq: QSTB 20200, QSTF 30100prereq or coreq: QSTF 30200
3 hrs 3 cr.

HED 48000 - Independent Study in Health Education

An exploration in an area of special interest with faculty guidance. Topic to be approved by adviser.
30-45 hrs 1-3 cr.

Education: Research Course

EDUC 49000 - Honors Course in Educational Research

Individual research in education. Admission by permission of the chairperson.
prereq: full education sequence including student teaching; 3.5 GPA in education courses and cumulative GPA of 2.8.
2 hrs 2 cr.

English: Courses for English Language Learners

ENGL 00200SL - Reading II

3 hrs 2 cr.
ENGL 00400SL - English for Bilingual Students II

Frequent paragraphs and essays: organizing, correcting grammar and sentence structure. Placement test required.
6 hrs + conf 1 cr.

ENGL 00500SL - English for Bilingual Students III

Frequent essays: organizing ideas, revising, improving sentence variety, idiomatic structure. Placement test required.
3 hrs + conf 2 cr.

English: Introductory and Intermediate Literature Courses

ENGL 22000 - Introduction to Literature

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students' understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.
prereq: ENGL 12000
3 hrs + conf 3 cr.

ENGL 25000 - Topics in Literature

GER 2/C, PD/A or B or C or D
Specific critical and thematic approaches to selected works of literature written in English. Course may be taken twice if the topic differs, but not more than twice. Some topics in ENGL 250 satisfy PD requirements in categories A, B, C, or D. Check in the schedule of classes and with an undergraduate adviser.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 25100 - Topics in Literature

GER 2/C PD/A
Specific critical and thematic approaches to selected works of literature written in English. Course may be taken twice if the topic differs, but not more than twice. Some topics in ENGL 250 satisfy PD requirements in categories A, B, C, or D. Check in the schedule of classes and with an undergraduate adviser.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 25400 - Survey of English Literature II

GER 3/A P/D D
Chronologically arranged readings in British literature from the 18th to the 20th century.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 25500 - Topics in Non-European Literary Traditions (W)
GER 3/A PD/A
Each course examines literature written in the English language by writers in non-European traditions. May be repeated once for credit with a different topic.

prereq: ENGL 22000
3 hrs 3 cr.

**ENGL 25600 - Topics in Literature by Non-European Americans (W)**

GER 3/A PD/B
Each course is an examination of one or more of the following groups: African Americans, Asian Americans, Latino Americans, Native Americans and Caribbean Americans. May be repeated once for credit with a different topic.

prereq: ENGL 22000
3 hrs 3 cr.

**ENGL 25800 - Topics in Literature by Women (W)**

GER 3/A PD/C
Selected works by women written in English will be studied with emphasis on the diversity of women's lives and the effect of gender on experience. May be repeated once for credit with a different topic.

*cross-listed* WGS 25800 (W)
prereq: ENGL 22000
3 hrs 3 cr.

**English: Advanced Literature Courses**

**ENGL 30200 - Introduction to Literary Analysis (W)**

GER 3/A
Study of selected authors, works, genres, or time periods emphasizing various modes of critical analysis and methods of research.

prereq: ENGL 22000
3 hrs 3 cr.

**ENGL 30300 - Western Literary Backgrounds of British and American Literature**

PD/D
Major works of Western literature in translation, including the Bible and Greek and Roman epic, drama, poetry and prose.

prereq: ENGL 22000
3 hrs 3 cr.

**ENGL 30500 - Studies in Children's Literature**

GER 3/A
Selected works of children's literature in relation to a special theme, technique, theoretical issue, or cultural consideration.

prereq: ENGL 22000
3 hrs 3 cr.
ENGL 30600 - Literary Theory (W)

GER 3/A
Major theories of literature, with emphasis on contemporary trends.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 31700 - Advanced Topics in Non-European Literary Traditions (W)

GER 3/A PD/A
Each course is an advanced examination of literature written in the English language by writers in non-European traditions. May be repeated once for credit with a different topic.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 31800 - Advanced Topics in Literature of Non-European Americans (W)

GER 3/A PD/B
Each course is an advanced examination of one or more of the following groups: African Americans, Asian Americans, Latino Americans, Native Americans and Caribbean Americans. May be repeated once for credit with a different topic.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 31900 - Advanced Topics in Literature by Women (W)

GER 3/A PD/C
Selected works by women in a selected theme, technique, genre, theoretical issue, or cultural consideration. May be repeated once for credit with another topic.
cross-listed WGS 31900
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32000 - Multi-Ethnic American Literature (W)

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32100 - Studies in African American Literature

GER 3/A PD/B
Selected works by African American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32400 - Studies in Native American Literature
GER 3/A PD/B
Selected works by Native American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 32500 - Post-Colonial Literature in English (W)

GER 3/A
A study of post-colonial narratives written in English by writers from a number of different countries or regions, including India, the Caribbean, Egypt, Africa and Pakistan.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 32700 - Studies in Caribbean Literature (W)

GER 3/A PD/A
Selected works by Caribbean writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 32900 - Special Topics in Cross-Cultural Literature in English (W)

GER 3/A
Selected works by authors of cross-cultural world literature in English will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 33100 - The Structure of Modern English

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 33200 - History of the English Language (W)

Development of English from earliest records to the present. Spread of English across the globe. Effects on English of contacts with other languages. Satisfies linguistics but not literature requirements.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 33300 - Advanced Topics in Language and Linguistics

GER 3/A
Exploration of one or more linguistic systems (phonology, semantics, syntax, discourse, or pragmatics) through the analysis of literary and nonliterary texts and their social and cultural contexts. May be taken more than once in different topics.
ENGL 33500 - Chaucer

GER 3/A PD/D
Study of Chaucer, with emphasis on The Canterbury Tales.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 33600 - Medieval Literature (1100-1500)

GER 3/A
Selected works include examples of epic, romance, satire, allegory and lyric.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 33700 - Literary Aspects of Folklore

GER 3/A
Studies of folktales, ballads and legends in their relationship to written literature.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism

An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 34000 - History of Rhetoric

GER 3/A
This course will explore canonical and marginalized developments in the history of rhetoric. Individual sections will concentrate on specific periods such as Ancient, Enlightenment, 20th-Century, etc.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 34100 - Rhetorical Principles of Expository Writing

GER 3/A
Course will focus on the relationship between rhetorical principles and academic writing.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 34200 - Topics in Rhetoric
GER 3/A

Topics vary from semester to semester. Course will focus on the persuasive function of language in relation to a special theme, theoretical issue, or cultural consideration. May be repeated once for credit with a different topic.

*prereq: ENGL 22000
3 hrs 3 cr.

ENGL 35000 - Renaissance Drama

GER 3/A
A survey of English Renaissance drama, excluding Shakespeare, encompassing a variety of interpretive strategies.

*prereq: ENGL 22000
3 hrs 3 cr.

ENGL 35100 - The Age of Elizabeth I

GER 3/A PD/D
Major emphasis on the work of Spenser; readings in other Elizabethan poetry and prose.

*prereq: ENGL 22000
3 hrs 3 cr.

ENGL 35200 - Shakespeare Survey

GER 3/A PD/D
A survey of Shakespeare's plays. For students who do not intend to elect ENGL 35300 or ENGL 35400.

*prereq: ENGL 22000
3 hrs 3 cr.

ENGL 35300 - Shakespeare I

GER 3/A PD/D
Study of works from first half of Shakespeare's career.

*prereq: ENGL 22000
3 hrs 3 cr.

ENGL 35400 - Shakespeare II

GER 3/A PD/D
Study of works from second half of Shakespeare's career.

*prereq: ENGL 22000
3 hrs 3 cr.

ENGL 35500 - Selected Studies in Shakespeare (W)

GER 3/A
Topics vary from semester to semester.

*prereq: ENGL 22000
3 hrs 3 cr.
ENGL 36000 - The 17th Century

GER 3/A PD/D
Emphasis on work of John Donne; survey of other poetry and prose (exclusive of Milton).
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36100 - Milton

GER 3/A PD/D
Poetry and selected prose of Milton, with special emphasis on Paradise Lost.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36200 - English Drama of Restoration and 18th Century

GER 3/A PD/D
The theatre of such playwrights as Etherege, Wycherly, Dryden, Otway, Congreve, Gay, Goldsmith and Sheridan.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36400 - The Age of Satire

GER 3/A PD/D
Poetry and nonfiction prose, chiefly of Dryden, Pope and Swift.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36500 - The Later 18th Century

GER 3/A PD/D
Poetry and nonfiction prose, with emphasis on Johnson, Boswell and Blake.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36800 - The 18th Century English Novel

GER 3/A PD/D
Major emphasis on such authors as Defoe, Fielding, Richardson, Sterne, Burney, and Austen.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36900 - The 19th Century English Novel

GER 3/A PD/D
Major emphasis on Dickens, Thackeray, the Brontës, George Eliot, Hardy and Meredith.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 37200 - Romantic Poetry
Intensive study of two or three major poets. Wordsworth, Coleridge, Byron, Shelley, Keats.

**ENGL 37300 - Victorian Literature (W)**

GER 3/A PD/D
Study of such authors as Tennyson, Browning, Arnold, the Rossettis, Swinburne, Carlyle, Ruskin and Newman.

**ENGL 37400 - 20th Century British Poetry**

GER 3/A PD/D
Study of such poets as Yeats, Lawrence, Auden, Thomas, Hughes and Larkin.

**ENGL 37500 - 20th Century American Poetry**

GER 3/A
Study of such poets as Eliot, Pound, Williams, Crane, Frost and Stevens.

**ENGL 37600 - 20th Century British Fiction**

GER 3/A PD/D
Study of such authors as Conrad, Joyce, Lawrence, Forster, Woolf, Waugh, Beckett and Lessing.

**ENGL 37700 - 20th Century American Fiction**

GER 3/A
Study of such authors as Dreiser, Wharton, Fitzgerald, Hemingway, Faulkner, Porter, Warren, O'Connor, Nabokov and Bellow.

**ENGL 37800 - 20th Century British and Irish Drama**

GER 3/A PD/D
Study of such authors as Wilde, Shaw, Yeats, O'Casey, Eliot, Beckett, Osborne and Pinter.

**ENGL 37900 - 20th Century American Drama**
GER 3/A
Study of such authors as O'Neill, Wilder, Hellman, Miller, Williams, Hansberry and Albee.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 38000 - Irish Literary Renaissance

GER 3/A PD/D
Study of leading Irish writers of early 20th century: Joyce, O'Casey, Synge and Yeats.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 38300 - Topics in Renaissance Literature

GER 3/A
Topics vary from semester to semester.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 38400 - Topics in Restoration and 18th Century Literature

GER 3/A
Topics vary from semester to semester.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 38500 - Topics in 19th Century Literature

GER 3/A
Topics vary from semester to semester.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 38600 - Topics in British and American Literature

GER 3/A, PD/C or PD/D (some topics)
Topics vary from semester to semester. Check the schedule of classes and with the undergraduate adviser to see which topics meet PD requirements.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 38700 - Selected Studies in British Literature

GER 3/A
Topics vary from semester to semester. Some topics may satisfy PD requirements in categories C or D; check the schedule of classes and with the undergraduate adviser.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 38800 - Selected Studies in British Literature
GER 3/A
Topics vary from semester to semester. Some topics may satisfy PD requirements in categories C or D; check the schedule of classes and with the undergraduate adviser.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 38900 - One Major Writer (W)

GER 3/A PD/C or D
Authors vary from semester to semester. May be taken more than once with permission of dept. Some authors may satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 39000 - Topics in 20th Century Literature (W)

GER 3/A
Selected works from the 20th century originally written in English will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 39400 - World Literature: Drama

GER 3/A
Selected plays, classical, medieval and modern, including dramatic criticism.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)

GER 3/A
An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 39600 - American Prose (1871-1914)

GER 3/A
Study of such authors as Twain, Howells, James, Dreiser, Crane and Wharton.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 39700 - American Poetry to 1914

GER 3/A
Study of such poets as Taylor, Poe, Emerson, Whitman, Dickinson and E. A. Robinson. May be used toward Part 4 of the American Literature concentration.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 39800 - Selected Studies in American Literature

GER 3/A PD/C
Authors or topics vary from semester to semester. Some topics may satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
*prereq: ENGL 22000 ENGL 39500 or ENGL 39600
3 hrs 3 cr.*

ENGL 39900 - Selected Studies in American Literature (W)

GER 3/A PD/C
Authors or topics vary from semester to semester. Some topics may satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
*prereq: ENGL 22000, ENGL 39500 or ENGL 39600
3 hrs 3 cr.*

ENGL 48200 - Special Studies Seminar

GER 3/A
1 hr 1 cr.

ENGL 48300 - Special Studies Seminar

GER 3/A
2 hr 2 cr.

ENGL 48400 - Special Studies Seminar

GER 3/A
Topics in British and American literature or linguistics. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
3 hrs 3 cr.

ENGL 48500 - Individual Tutorial Project

GER 3/A
Research paper or substantial creative work written under direction of a full-time instructor.
*prereq: perm instr.
1 sem 3 cr.*

ENGL 49400 - Honors Seminar: Special Studies

GER 3/A PD/C
Topics in British and American literature and linguistics. May be taken a second time in another subject. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
1 sem 3 cr.
ENGL 49800 - Internship

GER 3/A
Opportunities of working in positions of responsibility in professional institutions for academic credit.
prereq: perm coordinator
1-6 hrs 1-6 cr.

English Composition Workshops

XXX XXXXX - Writing Precept

Focus on grammar, sentence structure, and essay organization.
prereq: perm dept
hrs TBA

English: Writing Courses

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.

ENGL 20100 - Intermediate Expository Writing Using Small-Group Methods

Additional practice in expository writing; small classes (8-10).
prereq: ENGL 12000
3 hrs 3 cr.

ENGL 21800 - Advanced Expository Writing

Frequent writing practice, with emphasis on clarity, style and organization.
prereq: ENGL 12000
3 hrs + conf 3 cr.

ENGL 30000 - Introduction to Creative Writing

GER 3/A
An introduction to creative writing with a primary focus on poetry, fiction and creative nonfiction, including expository writing, workshop exercises and an introduction to workshop methods.
Students must pass this course with a B to major in creative Writing. Prerequisite for all 300-level writing courses, except ENGL 30100.
prereq: ENGL 2200
3 hrs 3 cr.

**ENGL 30100 - Theory and Practice of Expository Writing**

GER 3/A
Composition in variety of nonfiction prose forms and study of rhetorical theories.

*prereq: ENGL 2200
3 hrs 3 cr.*

**ENGL 30800 - Workshop in Non-Fiction I**

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of various non-fiction genres, including memoir/autobiography and other forms of personal essays, review essays, occasional pieces, and philosophical essays.

*prereq: ENGL 30000
3 hrs 3 cr.*

**ENGL 30900 - Workshop in Non-Fiction II**

GER 3/A
A continuation of Workshop in Non-Fiction I, with increasing emphasis on craft and revision.

*This course may be repeated once for credit.*

*prereq: ENGL 30000 and 30800
3 hrs 3 cr.*

**ENGL 31100 - Workshop in Fiction I**

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of fiction.

*prereq: ENGL 30000
3 hrs 3 cr.*

**ENGL 31300 - Workshop in Fiction II**

GER 3/A
A continuation of ENGL 31100, with increasing emphasis on craft and revision.

*This course may be repeated once for credit.*

*prereq: ENGL 30000 and ENGL 31100
3 hrs 3 cr.*

**ENGL 31400 - Workshop in Poetry I**

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of poetry.
prereq: ENGL 30000
3 hrs3 cr.

ENGL 31600 - Workshop in Poetry II

GER 3/A
A continuation of ENGL 31400, with increasing emphasis on craft and revision.
This course may be repeated once for credit.
prereq: ENGL 30000 and ENGL 31400
3 hrs3 cr.

ENGL 48555 - Advanced Prose Writing

GER 3/A
400-Level Writing Course

Film and Media: Film—Basic Courses

FILM 10100 - Introduction to Cinema

GER 2/D PD/D
Fundamental concepts of film and discussion of major critical systems. Screening of relevant films.
3 hrs3 cr.

FILMP 15000 - Media & Film in a Digital Age I

This course is the first part of a two-semester sequence that introduces students to the theoretical and practical fundamentals of film, video, and digital media production.

prereq: MEDIA 18000 or FILM 10100
3 cr 3 hrs

FILMP 16000 - Media & Film in a Digital Age II

This course is the second part of a two-semester sequence that introduces students to the theoretical and practical fundamentals of film, video, and digital media production.

prereq: MEDP 15000
3 hrs3 cr

Film and Media: Film—Intermediate Courses
FILM 20100 - Practical Film Analysis

GER 3/A
Close case study of a selected motion picture.
prereq: FILM 10100
3 hrs 3 cr.

FILM 21100 - Film History I: 1895-1942

GER 3A PD/D
Survey of film history and theory from the silent era to 1942.
prereq: FILM 10100
4 hrs 3 cr.

FILM 21200 - Film History II: Since 1942

GER 3/A PD/D
Survey of film history and theory from 1942 to the present.
prereq: FILM 10100
4 hrs 3 cr.

FILM 21300 - National Cinema

GER 3/A PD/D or A
Study of the cultural background, theoretical underpinnings, and artistic practices of a selected national cinema. May be repeated for credit with a different topic.
prereq: FILM 10100
4 hrs 3 cr.

FILM 21305 - National Cinema: Italian Cinema

GER 3/A PD/D
prereq: FILM 10100
4 hrs 3 cr.

FILM 21344 - Israeli Cinema

GER 3A PD/A
Israeli cinema and the development of Israeli cultural identity. Designed for students of Hebrew studies and Film studies who are interested in the history of Israeli film and Israeli cultural identity as expressed in the Israeli cinema.
cross-listed HEBR 22000
prereq: FILM 10100

FILM 21351 - National Cinema: French New Wave

GER 3/A PD/D

prereq: FILM 10100
4 hrs 3 cr.
FILM 21355 - National Cinema: Asian Cinema

GER 3/A PD/A
prereq: FILM 10100
4 hrs 3 cr.

FILM 21400 - Multicultural Perspectives in Cinema

GER 3/A PD/B (214.51 only)
Study of the contributions of minority groups to filmmaking, including examination of how those contributions have countered stereotypical representations of racial, national, and cultural identity in mainstream cinema. May be repeated for credit with a different topic.
prereq: FILM 10100
4 hrs 3 cr.

FILM 21500 - Women and Film

GER 3/A PD/C
Films by women directors and the ways women's films counter the dominant patriarchal view of women reflected in commercial cinema.
prereq: FILM 10100
4 hrs 3 cr.

FILM 22200 - Topics in Genre Studies

GER 3/A
Critical study of generic categories such as the western, horror, comedy, film noir, melodrama, or the musical. May be repeated for credit with a different topic.
prereq: FILM 10100
4 hrs 3 cr.

FILM 22252 - Topics in Genre Studies: “The Woman’s Film” of the 1940s

GER 3/A PD/C
This course focuses on “the woman's film”, from the forties. Discussion of the woman's film, an umbrella term for a series of genres (melodrama, gothic film, comedies) in which the woman is the main protagonist as well as the intended spectator.
cross-listed WGS 22252
prereq: FILM 10100
4 hrs 3 cr.

FILM 22400 - Cinematic Space

GER 3/A
Study of the theories and uses of cinematic space, film design, and the relationship between art direction and film narrative.
prereq: FILM 10100, 20100
4 hrs 3 cr.

FILM 23000 - Movies in American Culture
GER 3/A
Cultural processes that affect the production and reception of movies in the U.S. Interrelationships among the stylistic, thematic, technical, industrial and regulatory aspects of American moviemaking.
prereq: FILM 10100, 21100 or FILM 21200
3 hrs3 cr.

FILM 23100 - Studies of Selected Directors
GER 3/A
Study of aesthetic and cultural implications of authorship as developed and practiced in cinema. May be repeated for credit with a different topic.
prereq: FILM 10100, 20100
4 hrs3 cr.

FILM 23200 - Experimental Film and Video
GER 3/A PD/D
Historical examination of pertinent films and videos with particular emphasis on current American productions.
prereq: FILM 10100, 20100, FILMP/MEDIAP 15000
4 hrs3 cr.

FILMP 25100 - Film Production I
Introduction to the fundamentals of filmmaking, writing, cinematography and editing.
prereq: FILM 10100, FILMP/MEDIAP 15000; open to majors only or perm instr.
4 hrs3 cr.

FILMP 27600 - Screen Writing I - The Short (W)
The Short Fundamentals of writing for film; critiques of original student scripts.
prereq: FILM 10100 and ENGL 12000; open to film/media majors only or perm instr.
4 hrs3 cr.

FILMP 28600 - Sound for Film and Video I
Basic sound theory and production sound recording techniques, concentrating on microphones, field mixers and recording equipment, boom operation and on-set procedures.
prereq: FILMP 25100 or MEDP 28100
3 hrs3 cr.

Film and Media: Film—Upper-Level Courses

FILM 31500 - Nonfiction Film and Video
GER 3/A
Study of the history and theory of the nonfiction film and video, with screenings of examples of documentary, propaganda, and direct cinema and video.
Except as otherwise noted, ENGL 12000 is pre-requisite for all 30000- and 40000-level courses in FILM.
prereq: FILM 10100
4 hrs 3 cr.

**FILM 32200 - Contemporary Film Theory**

GER 3/A PD/D
Survey of current film theory and criticism, including developments in film semiotics, psychoanalytic film theory, feminist film theory, narrative theory, historiography and reception theory.
*Except as otherwise noted, ENGL 12000 is pre requisite for all 30000- and 40000-level courses in FILM.*
prereq: FILM 10100, 21100 or 21200
4 hrs 3 cr.

**FILM 32300 - Film Technology and Aesthetic Theory**

GER 3/A
Study of the relationship between film technology and film theory. May be repeated for credit with a different topic.
*Except as otherwise noted, ENGL 12000 is pre requisite for all 300- and 400-level courses in FILM.*
prereq: FILM 10100, 20100, 25100
4 hrs 3 cr.

**FILM 32351 - Aesthetics of Film Sound**

GER 3/A
Examination of the history, theory and aesthetics of the relationship between film sound and image.
*Except as otherwise noted, ENGL 12000 is pre requisite for all 30000- and 40000-level courses in FILM.*
prereq: FILM 10100, 20100
4 hrs 3 cr.

**FILM 32400 - Narrative Strategies**

GER 3/A
Study of narrative techniques in cinema
*Except as otherwise noted, ENGL 12000 is pre requisite for all 300- and 400-level courses in FILM.*
prereq: FILM 10100 and 20100 or 23100
4 hrs 3 cr.

**FILM 32600 - America in American Film and Video**

GER 3/A
Investigation of the ways that film and video have dealt with issues of American identity. This course explores how basic American myths have been mobilized to project a particular view of the nation at various historical points.
*Except as otherwise noted, ENGL 12000 is pre requisite for all 300- and 400-level courses in FILM.*
prereq: FILM 10100, 21100 or 21200
3 hrs 3 cr.

**FILM 32700 - Representations of Race and Ethnicity in U.S. Media**

GER 3/A PD/B
A historical look at changes and continuities in the social construction of a selected race or ethnicity in movies; advertising, including political campaigns; journalism, and other forms of American popular culture. May be repeated for credit with different topic.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.

prereq: FILM 10100
4 hrs 3 cr.

**FILM 32800 - Images of Resistance in the Developing World**

GER 3/A PD/A
Focuses on challenges by developing world films and filmmakers to Western media stereotypes.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.

prereq: FILM 10100
3 hrs 3 cr.

**FILM 33200 - Myths and Images in the Media**

GER 3/A
Study of film and media as decisive vehicles of myth, imagery and aesthetics in an advanced industrial society.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.

prereq: FILM 10100
3 hrs 3 cr.

**FILM 33300 - Styles and Theories of Film Acting**

GER 3/A
Study of film acting with regard to theoretical structures and aesthetic practice.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.

prereq: FILM 10100, 20100
4 hrs 3 cr.

**FILM 33400 - Theatricality and the Presentation of Self**

GER 3/A
Examination of the problems of authenticity in the performing self through analysis of representations in film, TV and the everyday.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.

prereq: FILM 10100, FILM 21100 or 21200
4 hrs 3 cr.

**FILM 34400 - History of Cinematography**

GER 3/A
Survey class addressing key developments in the history and aesthetics of cinematography.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.

prereq: FILM 10100, 20100, 21100 or 21200
4 hrs 3 cr.

**FILM 39100 - Problems in Film Research**

GER 3/A
Study of basic methods of solving problems in the field of cinema studies.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 20100, 21100 or 21200
3 hrs3 cr.

FILM 39700 - Topics in Film History

GER 3/A PD/D
A focused examination of specific issues and moments in film history. May be repeated for credit under a different topic.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 20100, 21100 or 21200
4 hrs3 cr.

FILMP 31100 - Directing Documentary Video Production

Exploration of the aesthetics of documentary form that provides students with an in-depth and hands-on understanding of preproduction and production of documentary video.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: MEDP 28100; open to film/media majors only or perm instr.
4 hrs3 cr.

FILMP 31600 - Experimental Production

Experimental methods of film and video production, emphasizing innovative and non-traditional formal and conceptual practice.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 25100 or MEDIAP 28100 or perm. instr.
3 hrs3 cr.

FILMP 34100 - Producing the Film

Contracts, financing, distribution, copyright law, options, acquisition of rights, securities law requirements.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 25100, FILMP 27600
3 hrs3 cr.

FILMP 35200 - Film Production II

Further development of fundamental filmmaking skills: pre-production, directing, and syncsound production techniques.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 25100, FILMP 27600 open to film/media majors only or perm instr.
4 hrs3 cr.

FILMP 37100 - Screen Directing I

Theory and practice of the film director's role as guiding force in creation of visual and aural images.
Except as otherwise noted, ENGL 120 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 251, FILMP 276; open to film/media majors only or perm instr.
4 hrs3 cr.
FILMP 37200 - Screen Directing II

Continuation of FILMP 37100.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 37100 or permission of instructor
4 hrs 3 cr.

FILMP 37700 - Screen Writing II The Feature (W)

Continuation of workshop experience with emphasis on full-length screenplay.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 27600
4 hrs 3 cr.

FILMP 38100 - Techniques of Cinematography

Advanced cinematographic techniques such as sensitometry, effects lighting and special effects.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 35200 or permission of instructor
4 hrs 3 cr.

FILMP 38200 - Narrative Editing

Narrative editing concepts, theories and techniques. Editing exercises explore the aesthetic and practical components of the craft and introduce advanced digital editing tools.

prereq: FILMP 25100
4 hrs 3 cr.

FILMP 38300 - Sound Design

Aesthetics of sound design with practical instruction in audio post-production technology.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 25100 or MEDIAP 28100 or perm. instr.
3 hrs 3 cr.

FILMP 38400 - Film and Video Production

Production of short films with each student assigned to specific crew positions.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 35200, and permission of instructor.
variable hrs 3 cr.

Film and Media: Film—Special Topics, Honors, and Advanced Studies

FILM 29900 - Special Topics in Film
GER 3/A
Not offered at all times. A specific topic will be listed in Schedule of Classes for a given semester.
prereq: perm dept.
1-3 hrs1-3 cr.

FILM 39900 - Studies in Film

GER 3/A
Not offered at all times. Specialized topics for majors will be listed in Schedule of Classes for a given semester.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: variable
3 hrs3 cr.

FILM 40100 - Independent Research

Open to majors only. Directed program of reading, research, or creative presentation, arranged on an individual basis.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: perm chair
1-3 cr.

FILM 40200 - Honors Project

Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: 3 advanced-level courses, 3.0 GPA and 3.5 major GPA perm dept.
3 hrs3 cr.

FILM 49800 - Internship

Opportunity to gain professional experience.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, two other FILM courses or equiv; perm dept and host institution
1-6 cr. 40 working hrs per cr.

FILM 49900 - Advanced Seminar

Selected topics in cinema studies.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: perm instr.
4 hrs3 cr.

FILMP 39900 - Special Topics in Advanced Film Practice

Offered periodically with the specific topic listed in the schedule of classes.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: perm instr.
4 hrs3 cr.

FILMP 45100 - Film and Video Production Seminar
Individual student films produced under faculty supervision.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.

**FILMP 49800 - Internship**

Opportunity to gain professional experience

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.

**prereq:** FILM 10100, two other film courses or equiv; perm dept and host institution

40 working hrs per cr.

**MEDP 29900 - Special Topics in Media Production**

Taught periodically, with topic listed in Schedule of Classes.

**prereq:** MEDIA 180, others variable

3 hrs 3 cr.

**Film and Media: Media—Basic Courses**

**MEDIA 15100 - Introduction to Film and Video Techniques**


**prereq:** MED 18000

3 hrs 3 cr.

**MEDIA 16100 - Introduction to Digital Media**

A hands-on introduction to the tools, techniques, and concepts behind the production of digital media including basic digital imaging, sound production and animation.

**prereq:** MED 18000

3 hrs 3 cr.

**MEDIA 18000 - Introduction to Media Studies**

GER 2/C

Social, political, and economic factors that determine and shape products of media organizations.

3 hrs 3 cr.

**Film and Media: Media—Analytical Courses**

**MEDIA 26000 - Internet and Society**

GER 3/A

The Impact of the Internet on American and global society.
**MEDIA 27100 - Television Culture**

GER 3/A
Theoretical analysis of the production and reception of televisual texts, with close reading of particular texts.

*prereq: MEDIA 18000
3 hrs 3 cr.*

**MEDIA 28000 - Understanding New Media**

GER 3/A
The convergence of media, communications technologies, art, design, and culture. It is intended to familiarize students with important approaches in new media, focusing on the history of the medium and the conceptual history of interactivity in art and communication.

*prereq: MEDIA 18000
3 hrs 3 cr.*

**MEDIA 29700 - Interviewing Techniques**

GER 3/A
This course will examine the dynamics of the interview, and is designed to teach students both the theoretical and practical principles of interviewing.

*prereq or coreq: MEDP 29200W; MEDP 28100 or MEDP 28200
3 hrs 3 cr.*

**MEDIA 29800 - Special Topics in Media Studies**

GER 3/A
A course on film and media studies taught periodically, with topic listed in Schedule of Classes. *MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDIAP courses.*

*prereq: MEDIA 18000 or FILM 10100
4 hrs 3 cr.*

**MEDIA 31300 - The Culture of Publicity**

GER 3/A
An in-depth historical understanding of public relations, social image-management, and opinion engineering in the U.S. *MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.*

*prereq: MEDIA 18000
3 hrs 3 cr.*

**MEDIA 31400 - Public Relations: Theory and Practice (W)**

GER 3/A
An examination of principal techniques and strategies in public relations, including critical analysis of its social uses. *MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.*
prereq: MEDP 29200
3 hrs3 cr.

MEDIA 31500 - Nonfiction Film and Video

GER 3/A
Study of the history and theory of the nonfiction film and video, with screenings and examples of documentary, propaganda and direct cinema and video.

MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.
prereq: MEDIA 18000
4 hrs3 cr.

MEDIA 32600 - America in American Film and Video

GER 3/A
Investigation of the ways that film and video have dealt with issues of American identity. This course explores how basic American myths have been mobilized to project a particular view of the nation at various historical points.
prereq: MEDIA 18000
3 hrs3 cr.

MEDIA 32700 - Representations of Race and Ethnicity in U.S. Media

GER 3/A PD/B
A historical look at changes and continuities in the social construction of a selected race or ethnicity in movies; advertising, including political campaigns; journalism; and other forms of American popular culture.
prereq: MEDIA 18000
4 hrs3 cr.

MEDIA 32800 - Images of Resistance in the Developing World

GER 3/A PD/A
Challenges by developing-world films and filmmakers to Western media stereotypes.
prereq: MEDIA 18000
3 hrs3 cr.

MEDIA 33000 - Movies in American Culture

GER 3/A
Cultural processes that affect the production and reception of movies in the U.S., interrelationships among the stylistic, thematic, technical, industrial and regulatory aspects of American moviemaking.

MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.
prereq: MED 180
3 hrs3 cr.

MEDIA 33200 - Myths and Images in the Media

GER 3/A
Study of film and media as decisive vehicles of myth, imagery and aesthetics in an advanced industrial society.
prereq: MEDIA 18000
3 hrs3 cr.
MEDIA 33300 - Typecasting

GER 3/A
A history of the relationship between stereotyping as a social, cultural and psychological language and the rise of modern society. 
*MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.*
*prereq: MEDIA 180 and either MEDIA 327 or MEDIA 384 or perm instr.*
3 hrs3 cr.

MEDIA 36500 - Digital Copyright

GER 3/A
An introduction to the legal, economic and social principles at stake in the debate over copyright and digital technologies. The semester begins with an introduction to the basics of copyright law, the legal system, and legal research. Students then review some of the specifics of the digital copyright debate, including topics such as peer-to-peer trading, digital rights management, and third party liability for information service providers.
*prereq: MEDIA 18000*
3 hrs 3 cr.

MEDIA 37000 - The Press and the Public

GER 3/A
Analysis and discussion of relationship of the press to great issues of our time.
*prereq: MEDIA 18000*
3 hrs3 cr.

MEDIA 37300 - Journalism as Literature

GER 3/A
An examination of the relationships between journalism and literature, including literary journalism, the journalistic prose of major imaginative writers, and the stylistic characteristics of hard news reporting.
*prereq: MEDIA 18000*
3 hrs3 cr.

MEDIA 37400 - Media, Sports, and Society

GER 3/A
Examination of the relationship between media and sports and their impact on society. Workings of the present-day sports-television-advertising complex, textual analysis of television sports productions.
*prereq: MEDIA 18000*
3 hrs3 cr.

MEDIA 37500 - Media and Politics

GER 3/A
The impact of the electronic media on American politics.
*prereq: MEDIA 18000*
3 hrs3 cr.
MEDIA 38000 - History of Broadcasting
GER 3/A
Broadcasting's roots in industrialization and influence on modern society.

*prereq: MEDIA 18000
3 hrs 3 cr.*

MEDIA 38100 - Propaganda and the Mass Media
GER 3/A
Study of mass media (broadcast, film, print) as forms for propaganda.

*prereq: MEDIA 18000
3 hrs 3 cr.*

MEDIA 38300 - Popular Music and the Music Industry
GER 3/A
Exploration of social and cultural significance of popular music; history, structure, and economics of music industry. Particular emphasis on popular music from fifties to present.

*prereq: MEDIA 18000
3 hrs 3 cr.*

MEDIA 38400 - Women and Media
GER 3/A PD/C
Examination, from historical and formal perspective, of ways in which women have been represented by mass media in America since mid-19th century. Exploration of how feminists for 100 years have challenged these images and posed alternative modes of cultural representation and production.

*cross-listed WGS 38400 (W)*
*prereq: MEDIA 18000
3 hrs 3 cr.*

MEDIA 38600 - Media Ethics
GER 3/A
An exploration of the moral issues surrounding media work, including truth-telling, social justice, cultural effects and conflicting rights.

*prereq: MEDIA 18000
3 hrs 3 cr.*

MEDIA 38900 - Contrasting Media Systems
GER 3/A
Contrasts media systems in selected foreign countries from point of view of (1) degree to which system satisfies individual and social needs, (2) degree of government and private control, (3) degree of organizational sophistication and diffusion.

*prereq: MEDIA 18000
3 hrs 3 cr.*
MEDIA 39000 - Broadcast Journalism

GER 3/A
Structure and operations of radio and television news in relation to social, political and economic institutions.
*prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39100 - History of Print Journalism

GER 3/A
Development of newspapers and magazines as social force.
*prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39200 - Communications, Technology and Change

GER 3/A
Examination of media technologies, their development and their impact on quality and organization of human life.
*prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39300 - Media Criticism

GER 3/A
Analyzes advanced approaches to media communication with focus on form and content of particular themes as they are treated by variety of media genres.
*prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39400 - Mass Communications and the Law

GER 3/A
Relationship of mass media to significant constitutional problems.
*prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39500 - Mass Media in Developing Countries

GER 3/A PD/A
Exploration of impact of transnational corporations on developing countries and issues of cultural domination.
*prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39600 - International Communications

GER 3/A
Examination and analysis of policy issues raised by structures, flows, and contents of international communications. Areas covered include print and TV news flows, transnational culture industries, telecommunications and the Internet. MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.
MEDIA 39700 - Cult TV Theory and Audiences

GER 3/A
This course explores the historical and cross-cultural development of “cult” television, from cancelled programs whose narratives are kept alive by fan audiences, to the mainstreaming of cult audience behavior for high-rated programs today.

prereq: MEDIA 27100
3 hrs 3 cr.

Film and Media: Media—Practice and Production Courses (MEDP)

MEDIA 18000 is a prerequisite for all 200-, 300- and 400-level MEDIA and MEDP courses.

MEDP 23900 - Entertainment Journalism (W)

Development of practical, theoretical, and rhetorical skills for writing reviews and feature stories about entertainment and the arts.

prereq: MEDP 29200
3 hrs 3 cr.

MEDP 24000 - Effective Speechmaking

Development of skills in speechmaking and media presentation.

prereq: MEDIA 18000
3 hrs 3 cr.

MEDP 27500 - Desktop Publishing

An introduction to the aesthetics of print layout and design, using a computer.

prereq: MEDIA 18000
3 hrs 3 cr.

MEDP 27800 - Interactive Media Production

A hands-on course focusing on the current state of interactive media in a collaborative environment. Students will create projects integrating video, sound and text exploring design concepts and using sensors for real-time interactivity.

prereq: FILMP/MEDP 16000
3 hrs 3 cr.

MEDP 28100 - Portable Video Production

Elements of single-camera video production.

prereq: MEDP/FILMP 15000
prereq or coreq: MEDP/FILMP 16000

3 hrs 3 cr.

**MEDP 28200 - Studio Television Production**

Elements of multi-camera studio production.

*prereq: MEDP/FILMP 15000*

*prereq or coreq: MEDP/FILMP 16000*

3 hrs 3 cr.

**MEDP 28300 - Electronic News Gathering**

This workshop guides students through the research, writing, digital video production and digital editing of community television news stories.

*prereq: MEDP 28100*

3 hrs 3 cr.

**MEDP 28500 - Web Production I**

An exploration of the production of Internet distributed media, primarily words and images distributed as Web pages, using HTML and image manipulation software.

*prereq: FILMP/MEDP 16000*

3 hrs 3 cr.

**MEDP 28600 - Sound for Film and Video I**

Basic sound theory and production sound recording techniques, concentrating on microphones, field mixers and recording equipment, boom operation and on-set procedures.

*prereq: FILMP 25100 or MEDP 28100*

3 hrs 3 cr.

**MEDP 29000 - Developing the Documentary (W)**

This workshop guides students through the research, writing and production planning essential for eating a video or film documentary.

*prereq: MEDIA 18000*

3 hrs 3 cr.

**MEDP 29200 - Basic Reporting (W)**

Workshop and discussion to provide basic skills of newspaper writing.

*prereq: MEDIA 18000*

3 hrs 3 cr.

**MEDP 29300 - Advanced Reporting (W)**
Intermediate course to advance skills in writing and reporting.

**MEDP 29400 - Magazine Writing (W)**

This course prepares students for publishing articles in magazines, feature sections of newspapers and online Internet publications by developing writing portfolios and studying the workings of the publishing industry.

**MEDP 29500 - Online Journalism (W)**

Evaluating and employing the Internet as a source of information for journalists, as a subject of journalistic coverage and as a new form of newspaper publication.

**MEDP 29600 - Feature Writing (W)**

A course on advanced feature writing media taught periodically, with topic listed in Schedule of Classes.

**MEDP 31000 - Advanced TV Studio Production**

An advanced multi-camera television studio workshop and a continuation of Studio Television Production.

**MEDP 31100 - Directing Documentary Video Production**

Exploration of the aesthetics of documentary form that provides students with an in-depth and hands-on understanding of preproduction and production of documentary video. *MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses. xxxx*

**MEDP 31200 - Advanced Documentary Digital Editing**

The aesthetic and technical considerations in editing the documentary video using digital equipment.

**MEDP 31600 - Experimental Production**
Experimental methods of film and video production, emphasizing innovative and non-traditional formal and conceptual practice.

prereq: FILM 25100 or MEDIA 28100 or perm. instr.
3 hrs3 cr.

**MEDP 33100 - Web Production II**

An exploration of the production of Internet-distributed media, especially animation, sound, and video, using GIF Animation, Flash, and sound tools.

prereq: MEDP 28500
3 hrs3 cr.

**MEDP 34500 - Web Design Projects**

A project-based class designed to give students the experience of solving practical problems in web production and to add to the advanced student's web design portfolio with a comprehensive project. Students will work independently and in teams on a large-scale collaborative project.

prereq: MEDP 33100 or perm instr.
3 hrs3 cr.

**MEDP 35000 - Workshop in Public Communication Graphics**

In this studio workshop course, questions regarding the communicative powers of visual culture will be applied to the creation of advanced functional design projects.

prereq: MEDIA 18000, submission of creative portfolio of graphic work (posters, layouts, montages, three-dimensional objects, or packaging, etc.) for assessment, and perm instr.
4 hrs3 cr.

**MEDP 37200 - Investigative Reporting (W)**

Understanding and practicing journalism that explores significant social issues and injustices, using diverse sources developed through the enterprise of the reporter.

prereq: MEDP 29200
3 hrs3 cr.

**MEDP 37700 - Neighborhood News (W)**

An advanced reporting and writing class that will produce a community newspaper and on-line news outlet serving underserved neighborhoods. This class may be repeated once for credit.

prereq: MEDP 29200 or permission of instructor
3 hrs3 cr.

**MEDP 38300 - Sound Design**

Aesthetics of sound design with practical instruction in audio post-production technology.
Film and Media: Media—Special Topics, Honors and Advanced Studies

MEDIA 29900 - Special Topics in Media Studies

GER 3/A
Taught periodically, with topic listed in Schedule of Classes.
_prereq: MEDIA 18000, others variable
3 hrs 3 cr.

MEDIA 39900 - Special Issues in Media Studies

GER 3/A
Taught periodically, with topic listed in Schedule of Classes.
_prereq: MED 18000, others variable
3 hrs 3 cr.

MEDIA 40100 - Independent Research

Directed research or creative endeavor.
_prereq: 2 advanced level courses, perm dept.
1-6 hrs 1 cr. per hr.

MEDIA 40200 - Honors Project

Open to Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision. Successful completion qualifies student for departmental honors at graduation.
_prereq: 3 advanced-level courses; 3.0 GPA and 3.5 major GPA; perm dept.
3 hrs 3 cr.

MEDIA 49800 - Internship

Opportunity to gain professional experience.
_prereq: MEDIA 18000 and 2 other MEDIA or MEDP courses or equiv; perm dept and host institution
1-6 cr. 40 working hrs per cr.

MEDIA 49900 - Advanced Seminar

Readings, discussion, and papers on significant problems in fields of media studies.
_prereq: perm instr.
3 hrs 3 cr.

MEDP 29900 - Special Topics in Media Practice
A course on media practice taught periodically, with topic listed in Schedule of Classes.

prereq: MEDIA 18000 and other prerequisites varying according to topic offered
3 hrs3 cr.

**MEDP 39900 - Special Topics in Advanced Media Production**

Taught periodically, with topic listed in Schedule of Classes.

prereq: MEDIA 18000, others variable
3 hrs3 cr.

**Geography**

**GEOG 10100 - People and Their Environment**

GER 2/B
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. Contemporary economic, political and social patterns and problems are discussed.

3 hrs3 cr.
offered fall and spring.

**GEOG 15000 - World Regional Geography**

GER 2/B PD/A or D
A survey of the world’s major regions. Geographic concepts and principles are used to study the physical, economic, social and political conditions and problems in the culturally diverse world. Spatial expression of culture; specialized behavior patterns; adaptations and way of life in distinct environments. Regional interdependence; implications for development.

prereq: ENGL 12000
3 hrs3 cr.
Offered fall and spring

**GEOG 22100 - Economic Geography**

GER 2/B
An introduction to the sub-discipline of economic geography, which will include an exploration of the history of both economics and geography, and a rigorous global approach to the subjects. Students will come to understand the history of the development of economic thought, leading up to, and transformed, by today’s crisis, as well as the particularly geographical nature of economic phenomena and processes, and the immense contributions geographers have made to the understanding of economics. Course focus is on the dominant form of global economic activity today, which is capitalistic, and the way this economic structure plays out through different geographies at different historical moments in time.
Not open to freshmen
prereq: GEOG 10100 or perm instr.
3 hrs 3 cr.
Offered fall and spring

**GEOG 22600 - Environmental Conservation: Resource Management**

GER 2/B
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.

3 hrs 3 cr.

**GEOG 22700 - Environmental Conservation: Urban Problems**

GER 3/B
Covers topics related to environmental problems and their connection to urban areas. The course will begin with a survey of urban systems (transport, water, food, waste and energy) followed by investigating how these systems contribute to environmental problems and their solutions. This investigation will also include a discussion about the connections between rural and urban areas and urban planning that attempts to minimize environmental hazards.

3 hrs 3 cr.

**GEOG 24100 - Population Geography**

GER 3/B PD/B or C
Course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.

prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs 3 cr.

**GEOG 24200 - Medical Geography**

GER 3/B
This subfield integrates human and physical geography. Two major themes are disease ecology (relationship of disease to natural and human environment) and spatial/social aspects of provision of medical care in society. The course will examine the concepts and methodologies that form the basis of the discipline.

prereq or coreq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs 3 credits

**GEOG 25100 - Geography of the United States and Canada**

GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the
geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges.

**GEOG 26000 - Geography of New York State**

**GEOG 26000 - Geography of New York State**

GER 2/B

The goals of the course are to learn about the geography of New York State – its physical environment, the distribution of its people and their activities, and the interrelationships between the people and the environment in NYS. and to apply geographic principles and reasoning to a real world situation where NYS is used as an example of regional analysis; and to explore, navigate through, and use the geographic information available on the Internet, especially the information provided by the State of New York. For those in the education sequence an addition goal is to gather and use information about NYS within the guidelines of the *National Geography Standards* for presentation at a grade-specific level.

**GEOG 27000 - Regional Geography of Mexico, Central America and the Caribbean**

GER 3/B PD/A

Analysis of relationship of natural environment to economic, social and political life of Mexico, Central America and West Indies.

3 hrs 3 cr.

**GEOG 27100 - Regional Geography of South America**

GER 3/B PD/A

Analysis of relationship of natural environment to economic, social and political life of South America.

3 hrs 3 cr.

**GEOG 27200 - Regional Geography of Europe**

GER 3/B PD/D

Analysis of relationship of natural environment to economic, social and political life of modern Europe.

3 hrs 3 credits

**GEOG 27400 - Regional Geography of the Middle East and North Africa**

GER 3/B PD/A

Analysis of relationship of natural environment to economic, social and political life of Middle East and North Africa.

3 hrs 3 cr.

**GEOG 27500 - Regional Geography of Sub-Saharan Africa**

GER 3/B PD/A

Analysis of the relationship of natural environment to economic, social and political life of Africa south of Sahara.

3 hrs 3 cr.
GEOG 27700 - Regional Geography of East Asia

GER 3/B PD/A
Analysis of East Asia's potentials in terms of natural resources, population, industry and agriculture, with emphasis on China.
3 hrs 3 cr.

GEOG 27800 - Regional Geography of Russia and Central Asia

GER 3/B PD/A or D
Analysis of the relationship of the natural environment to economic, social and political life of Russia, the former Soviet republics of Central Asia and Mongolia.
3 hrs 3 cr.

GEOG 31100 - Introduction to Fluid Mechanics

GER 3/B
This course covers the basic principles of fluid mechanics, include statics, forces on plane and curve surfaces, kinematics of fluid motion, integral and differential representation of conservation of mass, linear momentum, the first Law of Thermodynamics, Bernoulli’s equation, dimensional analysis, and elementary viscous flow. Frictional losses in laminar flow and simple pipe flow analysis are covered. Understanding of the physical phenomena is stressed and vector notation is introduced and used whenever suitable.
cross-listed PHYS 31100
prereq: PHYS 12100 or PHYS 12000 and MATH 15500
3 hrs 3 cr.

GEOG 32100 - Transportation Geography

GER 3/B
A geographic study and modeling of transportation routes and their influences on the location of economic activity.
prereq: GEOG 221 or perm instr.
3 hrs 3 cr.
not offered 2011

GEOG 32800 - Urban Environmental Problems: Evaluations and Solutions

GER 3/B
Open to Jr/Sr only. The special environmental problems of urban and metropolitan areas will be studied, including water supplies, waste management, environmental impact and waterfront use. Natural physical processes, methodologies and techniques will be reviewed and applied to decision making. Transportation fee for field work may be required.
prereq: GEOG 101 or GEOG 150 or URBS 101 and Jr/Sr standing
3 hrs 3 cr.

GEOG 33400 - Political Geography

GER 3/B
Political geography concerns the nature and consequences of human efforts to divide and control Earth. Major topics to be covered by this course include the origin and evolution of countries and their constituent political units; the defining and drawing of political boundaries; territorial conflicts and disputes; the impact of boundaries on personal and cultural identity; centripetal and centrifugal forces that encourage the success or failure of political units;
jurisprudence, crime and punishment; electoral geography; war, piracy and terrorism; ownership of ocean floors and outer space; the environmental impacts of political power (zoning, incorporation, height restrictions, land tenure); and symbols of power in the landscape. Lectures and assignments will stress the relevancy of political geography to issues that affect our everyday life.
prereq: GEOG 10100 or GEOG 15000 or perm instr
3 hrs 3 cr.

GEOG 33500 - International Pollution Issues

GER 3/B
A study of international trans-boundary pollution and the science, source terms, transport pathways and international impacts of contamination events. The regional focus will change yearly pending current global environmental events.
prereq: GEOG 101 or GEOL 101 or PGEO 130 or perm instr.
3 hrs 3 cr.

GEOG 34100 - Urban Geography

GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.
prereq: GEOG 101 or GEOG 150 or perm instr, Jr/Sr only
3 hrs 3 cr.

GEOG 34200 - Geography of International Migration and Ethnicity

GER 3/B PD/B
Quantitative and qualitative examination of historic and contemporary international migration patterns. Spatial demographic impacts of immigration policy in the United States with a focus on major urban centers. Comparative analysis of ethnic and racial minorities in the United States.
prereq: GEOG 24100 or perm instr.
3 hrs 3 cr.

GEOG 34300 - Urban Geographic Theory

GER 3/B
Spatial analysis of contemporary and theoretical issues concerning the economic growth, transportation, land use, social segregation and political fragmentation in metropolitan areas.
prereq: GEOG 34100 or equiv.
3 hrs 3 cr.

GEOG 34700 - Cultural Geography

GER 3/B
This course provides an overview of the field of cultural geography. It will cover the basics as well as recent developments in social and cultural geographic theory. The main focus is to understand relationships between cultures and environments through geographical analyses of processes, landscapes, and identities.
Open to Jr/Sr only.
prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs 3 cr.
GEOG 35700 - Geography of New York City and Vicinity

GER 3/B
Informed immersion in NYC is the main objective of this course. Students will learn by exploration and observation more than by media. The city is the laboratory to complement readings, lectures and discussion. Students will emerge from this class with an enhanced appreciation of the entire city. Study assignments include keeping a journal of walking assignments as well as readings. Field work will focus on the five boroughs of New York City. (Students with difficulties in walking or using public transportation or who have phobias regarding unfamiliar neighborhoods should consider this before registering.)
Open to Jr/Sr only.
prereq: GEOG 10100
3 hrs3 cr.
Offered fall.

GEOG 37000 - Geography of Sustainable Development in Developing Countries

GER 3/B PD/A
Reviews the theories and approaches of international development. Themes include development theory, availability and distribution of resources, population growth, food production, water supply and forestry. The course will also highlight the development and environmental problems that challenge the achievement of sustainable development such as population growth, food and world economic crises, increasing number of the poor and climate change. The course will provide students with theory, methods, problems and analysis of factors that influence sustainable development in developing countries.
prereq: one of the following: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.
3 hrs3 cr.

GEOG 37100 - Rural Water Supply in Developing Regions

GER 3/B PD/A
Covers concepts, methods and analysis of rural water utilization and related problems and challenges in developing countries. It will discuss water management and quality and their relationship with sanitation and hygiene education. The course will also discuss methods of providing drinking water in a sustainable manner.
prereq: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.
3 hrs3 cr.

GEOG 38000 - Seminar in Geographic Concepts and Methodology

GER 3/B
An investigation of the evolution, conceptual framework, and methodological approaches of modern geography. Course goals are: increase student competence and marketability as a teacher; review content of geography with teaching in mind; share strategies, ideas activities (as befits a seminar course); familiarization with national and state standards; develop and acquire appropriate classroom-ready materials; acquire a classroom-ready photo collection; explore links to other subjects; and develop appropriate bibliographies of children’s literature and websites.
prereq: perm instr.
3 hrs3 cr.

GEOG 38100 - Special Topics in Geography

GER 3/B
Open to Jr/Sr only. Topics to be announced.
prereq: GEOG 101, 200-level course of which special topic is logical outgrowth, perm instr.  
1-4 hrs (lec or lec/lab) 1-3 cr

GEOG 38200 - Special Topics in Geography

GER 3/B  
Open to Jr/Sr only. Topics to be announced.  
prereq: GEOG 101, 200-level course of which special topic is logical outgrowth, perm instr.  
1-4 hrs (lec or lec/lab) 1-3 cr

GEOG 38300 - Special Topics in Geography

GER 3/B  
Open to Jr/Sr only. Topics to be announced.  
prereq: GEOG 101, 200-level course of which special topic is logical outgrowth, perm instr.  
1-4 hrs (lec or lec/lab) 1-3 cr

GEOG 39100 - Individual Study in Geography

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.  
prereq: 2 sem of geography, perm dept.  
1-3 cr

GEOG 39200 - Individual Study in Geography

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.  
prereq: 2 sem of geography, perm dept.  
1-3 cr

GEOG 39300 - Individual Study in Geography

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.  
prereq: 2 sem of geography, perm dept.  
1-3 cr

GEOG 49000 - Honors in Geography

Upper Jr/Sr geography majors only. Individual research to be carried on under faculty guidance. Results must be embodied in an honors essay or equivalent.  
prereq: perm dept.  
1 sem 3 cr.

GEOG 49800 - Internship

Open to qualified geography majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See undergraduate adviser.  
1-4 cr.
Geographic Techniques and Methods

GTECH 20100 - Introduction to Geographic Methods

Introduces the means by which geographers analyze the world to better understand geography and geographical processes. It offers an introduction to various methods for interpreting and analyzing spatial data including, cartography, GIS, remote sensing, spatial statistics and survey research.

prereq: GEOG 10100 or GEOG 15000 and MATH 10100 or equiv or perm instr.
6 hrs (2 lec, 4 lab)4 cr.
Offered fall and spring.

GTECH 30100 - Quantitative Methods in Geography

Open to Jr/Sr only. Process of spatial analysis. Application of scientific methods to geographic research; sampling; distribution measurement; statistical analysis of spatial data.
prereq: GTEC 201, STAT 113 or 213 or perm instr.
3 hrs3 cr.

GTECH 32000 - Earth from Above

Introduces remote sensing image interpretation and a basic understanding of the use of remote sensing technology in the study of environmental issues and the monitoring of Earth systems. The first half of the course focuses on aerial photography, photogrammetry and image interpretation. The second half focuses on the use of remote sensing in Earth system sciences. Extensive lab exercises include practical assignments and computer-based analysis of remote sensing images. Students will learn basic image interpretation and some web-based image processing skills through various lab exercises.
prereq: GTEC 20100
6 hrs (2 lec, 4 lab)4 cr.

GTECH 32100 - Remote Sensing of the Environment

Focuses on use of satellite images to study the environment and the physical processes involved in remote sensing to better understand the nature and properties of electromagnetic radiation and how it interacts with the atmosphere and the Earth’s surface and a wide variety of satellite sensors. These sensors make measurements in the optical, thermal and microwave electromagnetic spectrums and are used to study issues related to global environmental science and natural resource management. The course includes heavy lab components which will include practical assignments, field exercises, computer-based analysis of remotely-sensed images and the use of image processing software (ENVI) to analyze satellite images. Field measurements will be made in Central Park to facilitate better understanding satellite measurements.
prereq: GTEC 32000 or perm instr.
4 hrs (2 lec, 2 lab)3 cr.

GTECH 32200 - Digital Image Processing
Course emphasizes the acquisition and nature of digital image data and the tools required to process and analyze remotely sensed data. Topics include: image preprocessing, spectral mixture analysis, image transformation, image classification and accuracy assessment, change detection, information extraction from LIDAR and radar. At least one application for each image processing method will be introduced. This is an advanced remote sensing course. The course includes lab exercises through which students will obtain hands-on experience in digital image processing. The labs include practical assignments and computer-based analysis of remotely-sensed images, and also field work to evaluate the results. The lab will use ENVI, an image processing software, together with the comprehensive data analysis tool IDL.

prereq: GTEC 32100, and multivariate statistics, elementary linear algebra or perm instr.
4 hrs (2 lec, 2 lab)3 cr.

GTECH 35000 - Field Topographic Surveying

Field use of surveying equipment. Notebook and computer data collection relating to horizontal and vertical location on the landscape, including the use of global positioning systems. Field record-keeping and preliminary analysis of results. Fee for transportation, accommodations and food allowance required.
prereq: GTEC 20100, perm instr.
90 hrs of field/lab work (1 day lab, 10 days field)3 cr.
Offered summer intersession (check with dept. in April).

GTECH 35100 - Field Techniques in Geography

Observation and analysis of physical geography, biogeography and geomorphology of selected areas. Field geographic techniques such as ground-truthing of remotely sensed images, the use of maps, compasses and GPS to navigate. Fee for transportation, lodging and food allowance required.
prereq: GTEC 201, any two additional geography or geology courses, perm dept.
90 hrs field/lab work (3 days lab, 7 days field)3 cr.
Offered summer intersession (check with dept. in April).

GTECH 36100 - Geographic Information Science I

Covers the GIS production process from data modeling and acquisition to editing, analysis, and cartographic output. GTECH 710 addresses students from both geography and other disciplines. Lecture examples, as well as hands-on exercises cover a range of application areas. The course is divided into two equally important parts: lectures, which introduce the theory of GIScience, and lab exercises, which help students with many aspects of the software. The lectures discuss concepts, data, tools, and major aspects to assignments. The laboratory sessions introduce the geospatial data and software tools needed for accomplishing the assignments. They will start at a very basic level, requiring little more than elementary experience with the Windows operating system.
prereq: GTEC 20100
4 hrs (2 lec, 2 lab)3 cr.

GTECH 36200 - Geographic Information Science II

Examines the principles of geographic information systems (GIS) including an overview of data structures, data types, methods of data analysis, cartographic modeling, and object-oriented GIS. It will also compare the relative merits of different types of GIS software packages. The primary software used will be ArcGIS.
prereq: GTEC 36100, STAT 11300
4 hrs (2 lec, 2 lab)3 cr.

GTECH 38000 - Analytical and Computer Cartography
Introduces modern cartographic theory and conventions, but also provides significant introductory hands-on experience in map design using computer software, specifically ESRI’s ArcView GIS. The majority of topics covered in the course are divided into a lecture and laboratory section. Students are presented with fundamental design theories and principles associated with particular types of maps or related graphic materials in lectures, and then challenged to implement these principles in self-guided hands-on exercises utilizing the software. The course is intended to cover the basic principles of cartography as well as modern techniques which influence map design, presentation, and interpretation processes. Students will develop a series of hard copy maps, charts, and graphics as well as design materials for presentation through digital media.

prereq: GTEC 20100
4 hrs (2 lec, 2 lab) 3 cr.

GTECH 38500 - GIS Applications

Selected topics in GIS applications to human and physical geographic problems. See department for topics offered. May be repeated for credit as topics change.
prereq: GTEC 20100 or equiv.
3 hrs 3 cr.

Physical Geography

PGEOG 13000 - Weather and Climate

GER 2/E
Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.
5 hrs (3 lec, 2 lab) 4 cr.
Offered in the Fall and Spring

PGEOG 23100 - Physical Geography II: Principles of Geomorphology

See GEOL 23100

PGEOG 25000 - Earth System Science I

GER 3/B
In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.
prereq: at least one 100-level science course or perm instr. prerequisite or corequisite: GEOL 10100 or PGEOG 13000 or GEOG 22600 or perm instr.
4 hrs 3.5 cr.
PGEOG 25100 - Earth System Science II

GER 3/B
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.

*prereq: PGEOG 25000 or perm instr.
4 hrs 3.5 cr.

PGEOG 31100 - Introduction to Fluid Mechanics

GER 3/B
Covers the basic principles of fluid mechanics including statics, kinematics of fluid motion, integral and differential representation of conservation of mass, linear momentum, the first Law of Thermodynamics, Bernoulli's equation, dimensional analysis, and elementary viscous flow.

*prereq: PHYS 12100 or 12000 and MATH 15500 or perm instr.
3 hrs 3 credits

PGEOG 31300 - Biogeography

GER 3/B
Provides an understanding of the geographic distribution and temporal variability of biological diversity over the face of the Earth and the biotic and abiotic factors and processes underlying these patterns and dynamics. Completion of PGEOG 25000/25100 and GTECH 37300 prior to enrollment is strongly recommended.

*prereq: PGEOG 13000, GEOG 10100 or BIOL 10000/10200
3 hrs 3 cr.

PGEOG 33200 - Introduction to Hydrology

GER 3/B
Designed to provide the basic understanding of how water on the Earth moves, distributes, circulates and interacts with the environment. Focus will be on hydrological processes including precipitation, evapotranspiration (evaporation and transpiration), soil water, ground water, and runoff, which form the complete water cycle at global, regional and watershed scales. The course will also cover some topics on how water responds to environmental changes and strategies of integrated water resources.

*prereq: GEOL 10100, PGEO 13000 or perm instr.
3 hrs 3 cr.

PGEOG 33400 - Coastal Geomorphology See GEOL 33400

See GEOL 33400

PGEOG 33500 - Urban and Metropolitan Coasts

GER 3/B
A systematic study of the natural and anthropogenic processes on urban coastal environments. Special emphasis on the coastline of the NY metropolitan area, with examples from coastal cities worldwide.
**PGEOG 36100 - Global Climatic Change**

GER 3/B
Open to Jr/Sr only. An intensive introduction to the study of climate change with emphasis on modern climate change, anthropogenic forcing and measured and predicted consequences of this forcing. Students will develop an understanding of natural climate forcing, natural variability and feedbacks in the climate system while concurrently studying the Earth’s climate history, and modern climate change.

*prereq: PGEO 13000 or GEOL 10100 or 10500*

3 hrs3 cr.

**PGEOG 36300 - Environmental Hazards**

GER 3/B
The course, in response to actual and potential hazards, either natural or anthropogenic in origin, will investigate the processes that link fundamental social development to environmental processes that are influenced by human activities. Natural hazards, in many cases, augment the environmental fragility of our society and the consideration of environmental hazards needs to be incorporated into management of climate variability, storms, droughts, floods, earthquakes, etc. An aim is to seek preventive measures and find solutions to act on environmental hazards on national and international levels.

*prereq: PGEO 13000 or equiv.*

3 hrs3 cr.

**PGEOG 38100 - Special Topics in Environmental Studies**

GER 3/B
Open to Jr/Sr only. Topics to be announced.

*prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, one course of which special topic is logical outgrowth; perm instr.*

1-4 hrs (lec or lec/lab)1-3 cr.

**PGEOG 38200 - Special Topics in Environmental Studies**

GER 3/B
Open to Jr/Sr only. Topics to be announced.

*prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, one course of which special topic is logical outgrowth; perm instr.*

1-4 hrs (lec or lec/lab)1-3 cr.

**PGEOG 38300 - Special Topics in Environmental Studies**

GER 3/B
Open to Jr/Sr only. Topics to be announced.

*prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, one course of which special topic is logical outgrowth; perm instr.*

1-4 hrs (lec or lec/lab)1-3 cr.

**PGEOG 39100 - Individual Study in Environmental Studies**
Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**PGEOG 39200 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, perm instr.*

1-3 cr.

**PGEOG 39300 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq: GEOL 10500, GEOG 22600 or PGEOG 13000; perm instr.*

1-3 cr.

**PGEOG 49000 - Honors in Environmental Studies**

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.

*prereq: perm dept.*

**PGEOG 49800 - Internship in Environmental Studies**

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.

1-4 cr.

**Geology**

**GEOL 10100 - Fundamentals of Geology**

GER 2/E

Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.

6 hrs (3 lec, 3 lab) 4.5 cr.

*Offered fall and spring.*

**GEOL 10200 - Plate Tectonics and the Earth’s Evolution**

GER 2/E

The second course in geology offered to non-geology majors. It is designed to familiarize students with the main concepts used in deciphering and interpreting earth’s evolution from the spatial and temporal perspective. Topics to be covered include: geologic time; geological principles; earth materials as recorders of past geologic processes; depositional environments and sedimentary rock record; igneous and metamorphic geologic environments and their rock records; evolution of the solar system; plate tectonics and life on earth; origin of the universe; life on earth and the fossil record; Precambrian, Paleozoic, Mesozoic, and Cenozoic life, history and tectonics. Field trips may be required;
transportation fee.

\textit{prereq: GEOL 10100}

5 hrs (3 lec, 2 lab) 4 cr.

\textit{Offered fall.}

\textbf{GEOL 10500 - Introduction to Environmental Geoscience}

Introduction to environmental geoscience focusing on aspects of global change and the interrelationship of earth systems. Review of the evolution of the earth from its origins to potential future developments; environmental problems and issues.

\textit{prereq: ENGL 12000}

3 hrs 3 cr.

\textbf{GEOL 18000 - Introduction to Oceanography}

GER 2/E

Dynamic processes are responsible for the ocean’s influence on our environment and life cycles on earth. The course introduces students to the broad field of oceanography and specifically identifies areas which are of concern on both local and global scales. The origins of the oceans and life as it exists in today’s ocean will be covered. Lectures will include the sub-disciplines of biological, chemical, physical, and geological oceanography and concepts that relate to continental margins, ocean basins, sediments and seafloor spreading. Emphasis will be given to the interaction between the circulation of the atmosphere and ocean surface currents, deep ocean circulation, waves and tides. The coastal zone as a fragile environment will be highlighted in connection with dynamic physical and biological processes. No lab component.

3 hrs 3 cr.

\textit{Offered fall and spring.}

\textbf{GEOL 20500 - Environmental Geology}

GER 3/B

As human populations continue to grow, resource depletion and hazards will become more severe. Many decisions concerning the use of resources, such as water, soil, minerals, energy and space to live, will determine our standard of living and the quality of the environment. Scientific knowledge, combined with human values, will dictate these decisions. This course examines not only the way geological processes operate and impact society, but also how the earth system responds to human activity. The difficult problems associated with extracting enormous quantities of resources needed to sustain modern societies will be discussed. The course will also address ways humans can minimize the risks associated with hazardous earth processes. Quantitative analysis of selected topics will be introduced to provide a deeper understanding of the complexity of today’s environmental issues.

\textit{prereq: GEOL 10100}

3 hrs 3 cr.

\textbf{GEOL 23100 - Principles of Geomorphology}

GER 2/E or 3/B

Investigates the geologic forces that shape the surface of the Earth. In the laboratory students will learn to analyze features of the landscape and deduce the processes that produced them. Students will use traditional laboratories as well as Google Earth to learn about a variety of surficial processes.

\textit{prereq: PGEO 13000 or GEOL 10100}

4 hrs (2 lec, 2 lab) 3 cr.

\textbf{GEOL 28000 - Marine Geology}
GER 3/B
Marine Geology is the study of the seafloor. This course attempts to answer the questions “what?”, “where?”, “when?” and more importantly “how?” in order to better understand the processes that shape the ocean basins and determine the structure and composition of the oceanic crust. The main patterns of sediment distribution in the ocean basins and how sediments preserve a record of past climatic and sea-level changes will be explored. In addition, the role of fluids in ocean sediments and the oceanic crust will be examined. The seafloor sediments will be studied with a focus on their role in marine biogeochemical cycles.

prereq: GEOL 10200 or perm instr.
3 hrs3 cr.
Fall

GEOL 33200 - Hydrology See PEGO 332

See PEGO 332

GEOL 33400 - Coastal Geomorphology

GER 3/B
A study of the basic processes shaping the coast and the resulting form; surficial morphology and internal geometry of such forms as cliffs, dunes, beaches and near shore bars. Map exercise and a one-day field trip.

prereq: GEOL 23100 or PEGO 23100 or equiv. or perm dept.
3 hrs3 cr.

GEOL 38000 - Advanced Oceanography: Chemistry and Physics of the Oceans

GER 3/B
The oceans play a significant role in how the climate system responds to anthropogenic perturbations. To understand past, present and future climate, students need to know and understand the world ocean.

Oceanography is multidisciplinary. It offers an opportunity to review and to apply many of the concepts taught in the major traditional disciplines of physics, chemistry, biology and mathematics. This course will offer an in-depth tour of the complex study of oceanography and an introduction to quantitative methods in oceanography using Matlab. This science-based course requires students to learn and understand, and be willing to work with, physical and quantitative concepts. Students must be prepared to learn the basics of computer scripting/programming syntax and logic, one of the major skills to be acquired in this course.

prereq: one sem CHEM or PHYS, MATH 15000 or equiv.
3 hrs3 cr.

GEOL 38100 - Special Topics in Geology and Oceanography

GER 3/B
Intensive courses in various aspects of geology or oceanography. Topics to be announced.

prereq: 200-level course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab)1-3 cr.

GEOL 38200 - Special Topics in Geology and Oceanography

GER 3/B
Intensive courses in various aspects of geology or oceanography. Topics to be announced.

prereq: 200-level course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab)1-3 cr.
GEOL 38300 - Special Topics in Geology and Oceanography

GER 3/B
Intensive courses in various aspects of geology or oceanography. Topics to be announced.
prereq: 200-level course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab)1-3 cr.

GEOL 39100 - Individual Study in Geology

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.
prereq: 2 sems of geology, perm dept.
1-3 cr.

GEOL 39200 - Individual Study in Geology

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.
prereq: 2 sems of geology, perm dept.
1-3 cr.

GEOL 39300 - Individual Study in Geology

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.
prereq: 2 sems of geology, perm dept.
1-3 cr.

Geography: Courses Less Frequently Offered

GEOG 21000 - Elementary Field Geography

GER 3/B

GEOG 21100 - Field Geography of New York City and Vicinity

GER 3/B

GEOG 34800 - Geography of Religion

GER 3/B

GEOG 37200 - Field Geography of Peru

GER 3/B
Regional field study of the geography of Peru. Topics include physical, environmental, historical, cultural, urban, political, agricultural, religious and economic geographies in various ecological zones. Taught in English. Fee for transportation and accommodations required. Completing GEOG 101 or GEOL 101 or PGEO 130 prior to enrollment is strongly recommended.
prereq: acceptance into Peru Study Abroad Program
coreq: GEOG 27100 or dept. perm.
90 hrs of fieldwork 3 cr.

GEOL 21100 - Field Geology of New York City and Vicinity

GER 3/B
Provides you with the essential information about the geology of New York City, plate tectonics, and the philosophy and the practice of geological field work. Students will learn how to use basic field equipment and geologic and topographic maps. The first part of the course consists of field trips using public transportation to the main geologic formations of the New York metropolitan where students examine and identify rocks in situ and non in situ. Basic procedures of geologic field research are taught and students learn to identify, measure, and describe rocks, geologic structures and textures. The second part of the course will be in the laboratory to study the field material, plot information on topographic maps, correlate information and create basic geologic maps, basic geologic profiles and the synthetic geologic column of the NYC Metropolitan area.

prereq or coreq: Prereq: GEOL 10100 or 10200

GEOL 23300 - Geology of North America

GER 3/B

GEOL 24400 - Sedimentology

GER 3/B

GEOL 24800 - Principals of Stratigraphy

GER 3/B

PGEOG 21200 - Geography of Soils and Vegetation

GER 3/B

German: Beginning/Intermediate Courses

GERMN 10100 - Elementary German I

Not credited without GRMN 102. Practice in 4 basic skills of speaking, reading, writing and comprehending German. For beginners.
3 hrs 3 cr.

GERMN 10200 - Elementary German II

Continued practice in speaking, reading, writing and comprehending German.
prereq: GRMN 10100 or equiv.
3 hrs 3 cr.

GERMN 10300 - Intensive Elementary German
Intensive practice in 4 basic skills of German. Covers material of GRMN 10100 and 10200 in one semester.

6 hrs 6 cr.

**GERMN 20100 - Intermediate German I**

Practice in comprehending and communicating in German at the intermediate level. Review of basic structures and study of advanced grammar topics.

*prereq: GRMN 10200 or equiv.*

3 hrs 3 cr.

**GERMN 20150 - Intermediate German Workshop I**

Additional practice in spoken and written German. Intended to improve the speaking skill of students taking GRMN 201.

*coreq: GRMN 201*

1 hr 1 cr.

**GERMN 20200 - Intermediate German II**

Grammar review and composition. Reading and discussion of selected literary texts.

*prereq: GRMN 20100 or equiv.*

3 hrs 3 cr.

**GERMN 20250 - Intermediate German Workshop II**

Intermediate conversation course open to students enrolled in GRMN 202. Conversation on topics from everyday life in modern Germany.

*coreq: GRMN 20200*

2 hrs 2 cr.

**GERMN 20300 - Intensive Intermediate German**

Covers material of GRMN 201 and 202 in one semester.

*prereq: GRMN 10200, 10300 or equiv.*

6 hrs 6 cr.

**GERMN 21100 - Advanced German Reading**

Extensive reading of difficult German texts in various fields of the humanities, arts and sciences.

*prereq: GRMN 11200 or equiv.*

3 hrs 3 cr.

**German: Advanced Courses**

**GERMN 30100 - Advanced German Comprehension and Conversation**
**GER 3/A**

Intensive practice in reading and listening to German texts and in conversational German; some essay writing.

*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

**prereq:** GERMN 20200 or 20300 or equiv.

3 hrs 3 cr.

**GERMN 30200 - Advanced German Conversation and Composition**

**GER 3/A**

Intensive practice in speaking and writing German.

*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

**prereq:** GERMN 20200 or 20300 or equiv.

3 hrs 3 cr.

**GERMN 31000 - Advanced Studies in German Language**

**GER 3/A**

Intensive language study in a German speaking country. May be repeated once at a different level.

*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

**prereq:** GERMN 20200 or 20300 or equiv.

3 hrs 3 cr.

**GERMN 31200 - Introduction to Business German**

**GER 3/A**

Introduction to the specialized language of German business and economics and intensive practice in German terminology and style on such topics as banking and finance, the corporate structure and the European Union.

*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

**prereq:** GERMN 30100 or perm instr.

3 hrs 3 cr.

**GERMN 32000 - Studies in German Literature and Language**

**GER 3/A PD/D**

Discussion of literary topics or linguistic phenomena. May be repeated with a different topic.

*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

**prereq:** GERMN 20200 or 20300 or equiv.

3 hrs 3 cr.

**GERMN 32100 - Individual and Society in Modern German Literature**

**GER 3/A PD/D**

The central conflict between individual liberty and societal constraints as reflected in short stories, novellas and plays by 20th century authors such as Kafka, Brecht, Böll and Frisch.

*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 32200 - German Civilization**

GER 3/A PD/D
Introduction to key topics in German history, politics, arts, literature and sciences.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or equiv.
3 hrs3 cr.

**GERMN 32300 - Women in German Literature**

GER 3/A PD/C
Reading and discussion of literature from the 19th century to the present written in German by and about women.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 32700 - Modern Swiss Literature**

GER 3/A PD/D
Reading and discussion of literature written in German by Swiss authors since the 19th century.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 32800 - German Children's and Adolescent Literature**

GER 3/A PD/D
Reading and discussion of literature for young readers and adolescents.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 33400 - The German Short Story and Novelle**

GER 3/A PD/D
Discussion of short narrative works from age of Goethe to present.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 33500 - German Radio Plays: Hoerspiel**
GER 3/A PD/D
Listening to and discussion of literary radio plays from the 1950s to today.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 33600 - German Lyric Poetry**

GER 3/A PD/D
Discussion of important lyrics from Baroque period to present.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 33900 - German Drama from Naturalism to Present**

GER 3/A PD/D
Discussion of dramas by such writers as Hauptmann, Wedekind, Brecht, Drenmatt, Frisch and Handke.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 34100 - German Drama from Age of Goethe to Naturalism**

GER 3/A PD/D
Discussion of dramas by such writers as Goethe, Schiller, Kleist, Bchner, Grillparzer and Hebbel.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

**GERMN 34200 - The German Novel**

GER 3/A PD/D
Discussion of narrative works by such writers as Goethe, Keller, Fontane, T. Mann, Kafka, Döblin and Böll.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

**GERMN 34400 - Readings in Classical Period of German Literature**

GER 3/A PD/D
Discussion of selected works by Lessing, Goethe and Schiller.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34500 - Literature of Weimar Republic

GER 3/A PD/D
Discussion of literary works and documents influential in German life between 1918 and 1933.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34600 - German Literature of the 1930s and 1940s

GER 3/A PD/D
Reading and discussion of literature written between the time of the Weimar Republic and 1945.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34700 - German Literature 1945-1995

GER 3/A PD/D
Reading and discussion of German literature written between 1945 and 1995.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34800 - East German Literature (1945-1990)

GER 3/A PD/D
Reading and discussion in German of literature written in East Germany during the existence of the German Democratic Republic as a sovereign state.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 35000 - Austrian Literature

GER 3/A PD/D
Discussion of literature and culture of the fin-de-siècle Vienna.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 35300 - Goethe's Faust
GER 3/A PD/D
Intensive study of Goethe's Faust, Parts I and II.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 35900 - German Literary Seminar

GER 3/A PD/D
Seminar study of significant theme in German literature, German author or literary movement or genre. May be repeated with a different topic.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 38100 - The German Press of Today: Reading and Understanding Newspapers and Magazines

GER 3/A
Reading and discussion of present-day German newspapers and magazines.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: two courses numbered GERMN 30000 or above or equiv. (excluding courses in English translation)
3 hrs3 cr.

GERMN 38200 - Advanced Business German

GER 3/A
Cross-cultural study and practicing of German business culture and language while studying Germany as global economic player. Topics such as corporate structure, management strategies, international marketing and labor relations.
prereq or coreq: GERMN 31200 or perm. instr.
3 hrs3 cr.

GERMN 38300 - German Grammar for Upper-Level Discourse

GER 3/A
Study of German grammar from basic to complex structures. Intensive practice in control of grammatical forms at high levels of spoken and written discourse.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: three courses above GERMN 30000 or equiv (excluding courses in English translation)
3 hrs3 cr.

GERMN 39900 - Second Language Acquisition

GER 3/A
A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.
A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

**GERMN 44400 - Seminar Studies in German Literature and Language**

GER 3/A PD/D
Seminar study of literary topic or linguistic phenomenon. May be repeated with a different topic.

**GERMN 49100 - Honors Project**

Open to Jr/Sr only. Individual study and independent research in consultation with faculty member. Honors essay required.

**GERMN 49200 - Independent Study in German**

Number of credits to be determined in advance in consultation with faculty member on basis of work planned.

**GERMN 49300 - Individual Studies Project in German Studies**

Individual research on German-studies topic under direction of faculty member. Written report required.

**GERMN 49800 - Internship**

**German Literature and Civilization (in English)**
GERMN 24000 - German Thought and Culture: A Survey (W)

GER 2/C PD/D
Discussion of the German contribution in the fields of art, literature, music, philosophy in historical perspective.
(Conducted in English) Note: No knowledge of German required.
prereq or coreq: ENGL 12000
3 hrs3 cr.

GERMN 24100 - German Fairy Tales in Translation (W)

GER 2/C PD/D
Reading and discussion of traditional and literary fairy tales of Germany. cross-cultural comparison of various fairy-story traditions; development of motifs through various ages and cultures.
(Conducted in English) Note: No knowledge of German required.
prereq or coreq: ENGL 12000
3 hrs cr.
*No "W" designation when offered in Winter Session

GERMN 37200 - Germany in the Twenties (W)

GER 3/A PD/D
Literature, art and politics in Germany between World War I and Third Reich, 1918-1933.
(Conducted in English) Note: No knowledge of German required.
3 hrs3 cr.

GERMN 37400 - Masterpieces of German Literature in English Translation (W)

GER 3/A PD/D
Discussion of some outstanding works of German literature.
(Conducted in English) Note: No knowledge of German required.
3 hrs3 cr.

GERMN 37900 - Studies/Seminar Studies in German Literature in English Translation

GER 3/A PD/D
Discussion and analysis of literary movement, genre, major topic or important author.
(Conducted in English) Note: No knowledge of German required.
3 hrs3 cr.

GERMN 47900 - Studies/Seminar Studies in German Literature in English Translation

GER 3/A PD/D
Discussion and analysis of literary movement, genre, major topic or important author.
(Conducted in English) Note: No knowledge of German required.
3 hrs3 cr.

German: Courses less frequently offered
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<th>Course Code</th>
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<tr>
<td>GERMN 10600</td>
<td>German through Lieder</td>
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<td>GERMN 34300</td>
<td>German Literature from Its Origins to the Age of Goethe</td>
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<td>PD/D</td>
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<tr>
<td>GERMN 36100</td>
<td>Gottfried von Strassburg: Tristan</td>
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<td>GER 3/A</td>
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<td>GERMN 36200</td>
<td>Wolfram von Eschenbach: Parzival in translation</td>
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<td>GER 3/A</td>
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<td>GERMN 36300</td>
<td>Goethe’s Faust in English translation</td>
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<td>GER 3/A</td>
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<tr>
<td>GERMN 36400</td>
<td>Heinrich von Kleist</td>
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<td>GER 3/A</td>
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<td>GERMN 36500</td>
<td>Georg Büchner</td>
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<td>GER 3/A</td>
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<td>GERMN 36600</td>
<td>Hermann Hesse</td>
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<td>GER 3/A</td>
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<td>GERMN 36700</td>
<td>Hermann Hesse: Magister Ludi</td>
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<td>GER 3/A</td>
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<td>GERMN 36800</td>
<td>Rainer Maria Rilke’s Duino Elegies</td>
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<td>GER 3/A</td>
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<td>GERMN 36900</td>
<td>Thomas Mann’s The Magic Mountain</td>
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<td>GER 3/A</td>
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<tr>
<td>GERMN 37000</td>
<td>Franz Kafka</td>
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<td>GER 3/A</td>
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</tbody>
</table>
GERMN 37100 - Bertolt Brecht
GER 3/A

GERMN 37600 - Masterpieces of Modern German Prose in English Translation
GER 3/A

GERMN 37800 - Masterpieces of German Drama in English Translation
GER 3/A

Greek

GRK 10100 - Beginning Greek

GRK 101 not credited without GRK 102.
8 hrs8 cr.
offered fall

GRK 10200 - Beginning Greek

GRK 10100 not credited without GRK 10200.
8 hrs8 cr.
offered spring

GRK 10700 - Beginning Greek, Intensive

6 hrs6 cr.
offered summer

GRK 11000 - Greek Reading

prereq: GRK 10200 or equiv.
3 hrs3 cr.
offered fall

GRK 20200 - Plato

prereq: GRK 11000 or equiv.
3 hrs3 cr.

GRK 20300 - Homer

prereq: GRK 11000 or equiv.
3 hrs3 cr.
GRK 30100 - Plato II
prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30200 - Euripides
prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30300 - Greek Lyric Poetry
prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30400 - Aristophanes and Menander
prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30500 - Attic Orators
prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30700 - Sophocles
prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30800 - Aeschylus
prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30900 - Herodotus
prereq: GRK 202 or equiv.
3 hrs 3 cr.

GRK 31000 - Thucydides
prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 31100 - Advanced Readings in Greek Literature
prereq: GRK 20200 or equiv.
3 hrs 3 cr.
Hebraic Culture

(Conducted in English)

**HEBR 21000 - Selected Studies in Hebrew Literature in Translation**

PD/C
Study of selected masterpieces or major themes in Hebrew literature in translation. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement; check with department.
3 hrs 3 cr.

**HEBR 21100 - Masterpieces of Medieval Hebraic Literature in Translation (W)**

GER 2/C PD/D
Selections from major works reflecting Jewish life and thought in medieval Islamic world and Christendom.
3 hrs 3 cr.

**HEBR 21200 - Readings in Modern Hebrew Literature in Translation (W)**

GER 2/C
Survey of Hebraic literature from Enlightenment movement to present.
3 hrs

**HEBR 21400 - Maimonides’ Guide to the Perplexed**

GER 3/A PD/D
Study of this work in English with reference to Maimonides’ influence on development of medieval Aristotelianism.
3 hrs 3 cr.

**HEBR 21500 - Hebraic and Judaic Culture and Thought in the Medieval Islamic World (W)**

GER 3/A PD/A PD/D
A study of medieval Hebraic and Judaic writings from North Africa and the Middle East in English translation. Emphasis will be given to the traditional as well as the innovative aspects of the material.
*prereq: ENGL 12000
3 hrs 3 cr.

**HEBR 21800 - Masterpieces of Yiddish Literature in Translation (W)**

GER 3/A PD/D
Study of major works in Yiddish literature from Mendele Mocher Seforim to present.
*prereq: ENGL 22000
3 hrs 3 cr

**HEBR 22000 - Israeli Cinema**
GER 3/A PD/A
Israeli cinema and the development of Israeli cultural identity. Designed for students of Hebrew studies and Film studies who are interested in the history of Israeli film and Israeli cultural identity as expressed in the Israeli cinema.

cross-listed cross-listed with FILM 21344
prereq: ENGL 12000
3 hrs 3 cr

HEBR 22100 - Modern Israeli Culture

A survey of contemporary Israeli culture, exploring topics relating to language, literature, history, rituals, politics, music and education.
prereq: ENGL 12000
3 hours 3 credits

HEBR 22200 - Introduction to Jewish Texts and Writings

A broad survey of influential Jewish texts and literary masterpieces from ancient to modern times.
prereq or coreq: ENGL 120
3 hours 3 credits

HEBR 24000 - Introduction to the Old Testament

GER 2/C PD/A
Survey of the books of the Old Testament, their form, content and cultural background. Introduction to the tools and methods of modern biblical criticism.
3 hrs 3 cr

HEBR 25000 - Topics in Hebraic Studies

PD/C
Study in depth of a selected topic in Hebraic studies. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement; check with department.
3 hrs 3 cr

HEBR 25900 - Old Testament Religion

GER 2/C PD/A
Comprehensive survey of ancient Israelite religious practice, expression and thought as reflected in Hebrew Bible.
3 hrs 3 cr

HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)

GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.
3 hrs 3 cr

HEBR 28400 - Images of Women in the Old Testament, in Translation
GER 3/A PD/C
Depiction of women in ancient Israelite prose and poetry. Close reading and analysis of texts in terms of literary techniques, cultural background and ideological implications.
3 hrs3 cr.

HEBR 28600 - Ancient Near Eastern Literature and the Bible

GER 3/A PD/A
Comparative study of ancient Near Eastern literature and the Hebrew Bible.
3 hrs3 cr

HEBR 28800 - Ancient Hebraic Folklore

GER 2/C PD/A
Analysis and comparative study of folk beliefs, practices and literature reflected in Hebrew Bible, apocryphal literature and rabbinic Aggada.
3 hrs3 cr

HEBR 29000 - Biblical Archaeology

GER 2/C PD/A
Study of Biblical sources in translation in relation to major archaeological discoveries in Israel and Near East.
3 hrs3 cr

HEBR 29200 - The Hebrew Prophets

GER 2/C PD/A
Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical and religious thought.
3 hrs3 cr

HEBR 29400 - Job, Ecclesiastes and the Human Predicament

GER 3/A PD/A
Study of form, content and religious significance of these two enigmatic masterworks.
3 hrs3 cr

HEBR 29500 - Ancient Hebrew Law

GER 2/C PD/A
Historical and comparative study of Biblical and rabbinic law.
3 hrs3 cr

HEBR 29600 - The Dead Sea Scrolls in English

GER 3/A PD/A
Readings in the various genres of the scrolls; historical background of Qumran sect; significance of the scrolls for study of Judaism and Christianity.
3 hrs3 cr
Hebrew - Introductory Courses

HEBR 10100 - Elementary Hebrew I

Fundamentals of reading, pronunciation and grammar for beginners. Practice in conversation and writing. HEBR 101 not credited without HEBR 102.
3 hrs 3 cr.

HEBR 10200 - Elementary Hebrew II

Continuation of HEBR 10100.
prereq: HEBR 10100 or equiv.
3 hrs 3 cr.

HEBR 10300 - Intensive Elementary Hebrew

Intensive practice in basic skills of Hebrew. Course covers in one semester the material covered in the two semesters of HEBR 10100 and 10200.
6 hrs 6 cr.

HEBR 10500 - Elementary Biblical Hebrew I

The first in a series of four introductory courses in the Hebrew of the Bible. No prior knowledge of Hebrew required.
Not credited without HEBR 106
3 hours 3 credits

HEBR 10600 - Elementary Biblical Hebrew II

The second in a series of 4 introductory courses in Biblical Hebrew.
prereq: HEBR 105 or equivalent.
3 hours 3 credits

HEBR 20100 - Intermediate Hebrew I

Continued practice in conversational Hebrew, grammar and composition.
prereq: HEBR 10200 or equiv.
3 hrs 3 cr.

HEBR 20200 - Intermediate Hebrew II

Intensive practice in conversation, composition and grammar. Selected readings in Hebrew literature.
prereq: HEBR 20100 or equiv.
3 hrs 3 cr.

HEBR 20500 - Intermediate Biblical Hebrew I
This is the 3rd semester of a 4-semester series of Biblical Hebrew courses.  

prereq: Biblical Hebrew 10600 or equivalent.  
3 hours3 credits

**HEBR 20600 - Intermediate Biblical Hebrew II**

This is the 4th semester of the 4-semester Biblical Hebrew series.  

prereq: HEBR 20500 or equivalent.  
3 hours3 credits

**Hebrew Advanced Courses**

**HEBR 31000 - Modern Hebrew Literature I**

GER 3/A PD/D  
Reading and discussion of selected works in prose and poetry of 19th-century authors.  

prereq: HEBR 20200 or equiv. or exemption  
3 hrs3 cr

**HEBR 31100 - Modern Hebrew Literature II**

GER 3/A  
Reading and discussion of selected works in prose and poetry of 20th-century authors.  

prereq: HEBR 20200 or equiv.  
3 hrs3 cr

**HEBR 31500 - Biblical Literature: Pentateuch**

GER 3/A PD/A  
Selections from Pentateuch.  

prereq: HEBR 20200 or equiv.  
3 hrs3 cr

**HEBR 31600 - Biblical Literature: Historical Books**

GER 3/A PD/A  
Selections from books of Joshua, Judges, Samuel and Kings.  

prereq: HEBR 20200 or equiv.  
3 hrs3 cr

**HEBR 31700 - Biblical Literature: Prophetic Books**

GER 3/A PD/A  
Selections from minor and major prophets.  

prereq: HEBR 202 or equiv.  
3 hrs3 cr
HEBR 31800 - Biblical Literature: Hagiographa

GER 3/A PD/A
Selections from Job, Proverbs, Psalms and the five Megillot.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32000 - The Modern Hebrew Short Story

GER 3/A
Extensive reading of short stories from late 19th century to present, illustrating different literary trends.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr.

HEBR 32100 - Talmudic Literature

GER 3/A PD/A
Selections from Talmud and Midrash.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32200 - Medieval Literature

GER 3/A PD/D
Selections from literature of Golden Age in Spain.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32300 - Poetry of the Modern Hebrew Renaissance Period

GER 3/A PD/D
Study of major works of Bialik, Tschernichovsky, Kahan and Shneour.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32400 - The Modern Hebrew Essay

GER 3/A PD/D
Study of selected essays of Ahad ha'Am, Berdichevsky and Frischman.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32500 - History of Modern Hebrew Literature

GER 3/A
Evolution of Hebrew literature from period of Enlightenment to contemporary Hebrew letters.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32600 - Hebrew Poetry Between the Two World Wars
GER 3/A
Study of Hebrew poetry since World War I. Emphasis on works of Greenberg, Schlonsky, Lamdan and Alterman.
\textit{prereq: HEBR 20200 or equiv.}
3 hrs 3 cr

HEBR 32700 - The Modern Hebrew Novel

GER 3/A
Intensive study of a major novel by Agnon, Barash or Hazaz, with collateral readings in other Hebrew novels.
\textit{prereq: HEBR 20200 or equiv.}
3 hrs 3 cr

HEBR 32800 - Contemporary Hebrew Prose

GER 3/A
\textit{prereq: HEBR 20200 or equiv.}
3 hrs 3 cr

HEBR 33100 - Medieval Hebrew Philosophic Texts

GER 3/A
Study of selected chapters of Halevi's Kuzari and Maimonide' Moreh Nebukim (Guide to the Perplexed).
\textit{prereq: HEBR 20200 or equiv.}
3 hrs 3 cr

HEBR 35100 - Hebrew Grammar and Composition

Intensive study of principles of vocalization, inflections of nouns and verbs, rules of syntax and practice in composition.
\textit{prereq: HEBR 20200 or equiv.}
3 hrs 3 cr

HEBR 35700 - Approaches to Main Problems in Hebraic Studies

Explorations in depth of a particular area in Hebraic studies. May be repeated as topics vary from semester to semester.
\textit{prereq: HEBR 20200 or equiv.}
3 hrs 3 cr

HEBR 45100 - Selected Studies in Hebrew Literature

PD/D
Course will concentrate on an author, theme, genre or period in Hebrew literature. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement.
prereq: HEBR 20200 or equiv, perm division

3 hrs3 cr

HEBR 49000 - Independent Studies

Independent research under direction of a member of the division. May be repeated as topics vary from semester to semester.
prereq: permission of division head

hrs TBA3 cr

HEBR 49100 - Honors Project

Individual study and research in Hebrew literature in consultation with staff member. Honors essay required. May be repeated as topics vary from semester to semester.
prereq: Jr/Sr only; perm division
1 sem3 cr.

Hebrew: Second Language Acquisition

HEBR 39900 - Second Language Acquisition

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.
prereq: at least three courses at the 300 level in the language, ENGL 12000
3 hrs3 cr

History: European History

HIST 12100 - Early Modern Europe 1500 to 1815

GER 2/B PD/D
Transition from feudal society to national states; religious upheavals, expansion up to the French revolutionary era
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 12200 - 19th and 20th Century Europe (W)

GER 2/B PD/D
Scientific and industrial revolutions, liberalism, imperialism, socialism and fascism, total war, reconstruction.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.
HIST 20100 - Ancient Civilization

GER 2/B
Development of civilization in the Near East. Its expansion under Greece and Rome to 500 CE in the Mediterranean basin.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 21100 - Medieval Civilization (W)

PD/D
Social, institutional and cultural history of Western Europe from the late Roman period to the Black Death in the mid-14th century.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 120
3 hrs 3 cr.

HIST 24200 - The Holocaust: An Introduction

PD/D
The attempt to exterminate the Jewish people by the Nazis.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 30200 - Greek History

GER 3/B PD/D
From the Bronze Age ca. 3000 BCE to the Roman conquest. Emphasis on cultural and political contributions of ancient Greece.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 30300 - Roman History

GER 3/B PD/D
From Iron Age to Justinian; rise and fall of Rome's power and her political and cultural achievements.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 30500 - The Age of the Crusades

GER 3/B PD/D
The expansion of western Europe from 800 to 1492 in eastern Europe, the Mediterranean, Asia and Africa, giving particular attention to the Reconquista in Spain and the crusades in the Middle East.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 31000 - Jewish History in the Medieval and Early Modern Periods
GER 3/B PD/D
The Jewish people from late antiquity to 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.

*Courses at the 300-level and above not offered to freshmen.*

3 hrs 3 cr.

**HIST 31100 - Europe in the Early Middle Ages**

GER 3/B PD/D
The development of European civilization from the fall of the Western Roman Empire to the First crusade.

*Courses at the 300-level and above not offered to freshmen.*

3 hrs 3 cr.

**HIST 31200 - Europe in the High Middle Ages**

GER 3/B
The 12th and 13th centuries in Europe; church and state; science and universities; guilds and capitalism.

*Courses at the 300-level and above not offered to freshmen.*

3 hrs 3 cr.

**HIST 31300 - Europe in the Late Middle Ages**

GER 3/B
Changing aspects of social, institutional, economic and cultural scene; humanism and art in the 14th and 15th centuries.

*Courses at the 300-level and above not offered to freshmen.*

3 hrs 3 cr.

**HIST 31400 - Ancient and Medieval Christianity (W)**

GER 3/B PD/D
The development of Christianity from Jesus to Luther; theology and mysticism, lay and monastic spirituality; the papacy and dissidents; gender and sexuality; relations with Judaism and Islam.

*Courses at the 300-level and above not offered to freshmen.*

prereq or coreq: ENGL 12000

3 hrs 3 cr.

**HIST 31900 - Jewish History in the Medieval and Early Modern Periods (W)**

GER 3/B PD/A
The Jewish people from late antiquity to the 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.

*Courses at the 300-level and above not offered to freshmen.*

prereq or coreq: ENGL 12000

3 hrs 3 cr.

**HIST 32000 - Jewish History in the Modern World (W)**

GER 3/B PD/D
From the 18th century to the present: Enlightenment, Jewish emancipation and nationalism, a Jewish state; anti-Semitism and the Holocaust; recent trends.

*Courses at the 300-level and above not offered to freshmen.*
HIST 32100 - History of the Holocaust

GER 3/B
Examination of the mass murder of 6 million Jews by the Nazi regime during World War II.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs3 cr.

HIST 32400 - Europe in the Age of Renaissance and Reformation (W)

GER 3/B PD/D
European life and society in early modern era. Religious, political, economic and social change.
*Courses at the 300-level and above not offered to freshmen.*
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 32500 - Europe in the Age of Absolutism and Revolution

GER 3/B
Europe from the middle of the 17th century through the Congress of Vienna in 1815.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs3 cr.

HIST 32600 - Europe 1815-1914

GER 3/B
Political, social, intellectual and economic developments from the Congress of Vienna to World War I.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs3 cr.

HIST 32700 - Europe since 1914

GER 3/B
Europe in a century of total wars and cold war: the military, political, social, economic and intellectual scene.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs3 cr.

HIST 32900 - History of European Diplomacy

GER 3/B PD/D
From the Congress of Vienna and national unification movements through the era of total wars and cold war.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs3 cr.

HIST 33000 - Social and Economic History of Modern Europe

GER 3/B PD/D
Social and economic developments in Europe during the past 200 years.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 33100 - European Culture in the 16th, 17th and 18th Centuries (W)**

GER 3/B
The impact of the Reformation, Counter-Reformation, the Scientific Revolution and related movements.

Courses at the 300-level and above not offered to freshmen.

Prereq or coreq: ENGL 12000
3 hrs 3 cr.

**HIST 33200 - Modern Culture from the 18th to the 20th Centuries**

GER 3/B
From the impact of the Scientific Revolution and the Enlightenment to recent literature, art, religion and science.

European political and social thought.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 33400 - France during the Revolution and Napoleonic Eras**

GER 3/B
A study of the 18th-century antecedents of the French Revolution, the Revolutionary decade and the Napoleonic period.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 33500 - History of Modern France**

GER 3/B
The French experience since Napoleon, with emphasis on life and death under the three Republics since 1870.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 33700 - History of Spain**

GER 3/B
From the Middle Ages to the present. Political, economic and social developments.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 33800 - History of Italy (W)**

GER 3/B PD/D
Classical to Renaissance background. Catholic Reformation, foreign domination, Risorgimento to Fascism, post-World War II era.

Courses at the 300-level and above not offered to freshmen.

Prereq or coreq: ENGL 12000
3 hrs 3 cr.
HIST 34250 - Early British History to 1689

GER 3/B
Origins, medieval and early modern Britain to the Glorious Revolution.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 34251 - Britain Since 1689

GER 3/B PD/D
British history since the Glorious Revolution.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 34300 - England under the Tudors and Stuarts

GER 3/B
Government and society, 1485-1714.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 34600 - British Empire and Commonwealth

GER 3/B
The rise and fall of the British imperial system and its transformation into a Commonwealth of nations.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 37400 - Russia to the 20th Century

GER 3/B PD/D
Political, socioeconomic and cultural development of Russia from its Kievan origins to the crisis of monarchy.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 37500 - Late Imperial Russia and the Soviet Union

GER 3/B PD/D
Political, socioeconomic and cultural development of late 19th and 20th century Russian and Soviet society.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 37600 - Soviet Foreign Policy

GER 3/B
Objectives and strategies adopted by the Soviet government from the Russian Revolution of 1917 to the end of World War II.
*Courses at the 300-level and above not offered to freshmen.*
Prereq: at least one course in 20th century Europe or European diplomacy is recommended
3 hrs 3 cr.
HIST 38400 - Problems in European History (W)

GER 3/B
Intensive reading and research in selected topics.  
Courses at the 300-level and above not offered to freshmen.  
prereq or coreq: ENGL 12000  
3 hrs3 cr.

HIST 48400 - Problems in European History (Honors) (W)

GER 3/B  
Courses at the 300-level and above not offered to freshmen.  
prereq: perm chair  
3 hrs3 cr.

History: United States History

HIST 15100 - The United States from the Colonial Era to the Civil War (W)

GER 1/C or 2/B  
American political, social and cultural history from the time of the European settlements to the Civil War.  
Courses at the 300-level and above not offered to freshmen.  
prereq or coreq: ENGL 12000  
3 hrs3 cr.

HIST 15200 - The United States from the Civil War Era to the Present (W)

GER 1/C or 2/B  
American political, social and cultural history from the Civil War to the present.  
Courses at the 300-level and above not offered to freshmen.  
prereq or coreq: ENGL 12000  
3 hrs3 cr.

HIST 31600 - History of Religion in the United States

GER 3/B  
Changing European churches and indigenous American sects; their architecture, leaders and ideas.  
Courses at the 300-level and above not offered to freshmen.  
3 hrs3 cr.

HIST 31700 - History of the American City

GER 3/B PD/D  
History of the American city from the Colonial era to the present; development of the city as physical environment, social experience, political entity and cultural symbol.  
Courses at the 300-level and above not offered to freshmen.  
3 hrs3 cr.
HIST 31800 - History of the American Working Class (W)

GER 3/B PD/D
History of the American working class from Colonial times to the present; changing work experience, community life, organizational efforts and political activity of working people.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 35300 - History of New York City

GER 3/B
Urban development; emergence as the financial and cultural capital of the nation; ethnic and racial diversity; dynamics of economic and physical growth; problems of city politics.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 35400 - The American Colonies in the 17th Century (W)

GER 3/B
Comparative treatment of settlement in the Spanish, Portuguese, French, Dutch and English colonies.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 35500 - The American Colonies in the 18th Century (W)

GER 3/B
Social, political and cultural changes.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 35600 - The Early Republic

GER 3/B
Politics and society in the period of Jefferson and Jackson; reform, expansion and change.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 35700 - American-Jewish History (W)

GER 3/B PD/D
Development of the American Jewish community; economic, political and social integration; cultural adaptation.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 35800 - 20th Century United States (W)
GER 3/B PD/D
Leading personalities and domestic problems of the U.S. Since 1900.
*Courses at the 300-level and above not offered to freshmen.*
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 35900 - Immigration and Ethnicity in the United States

GER 3/B PD/D
Experience of immigrant groups since Colonial times; motives for coming; economic and social adjustment; encounter with prejudice; ethnic institutions.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 36100 - Rise of America as a World Power

GER 3/B PD/D
Impact of world leadership on basic principles of American foreign policy since 1898.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 36200 - Biography and Autobiography in the History of the U.S.

GER 3/B
Studies of Americans prominent in politics, art and national life.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 36300 - History of American Culture

GER 3/B PD/D
American ideas and values from the Colonial period to the present.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 36400 - American Constitutional History, 1783 to 1900

GER 3/B PD/D
Development of constitutional thought from the framing of the Articles of Confederation to 1900.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 36500 - American Economic History

GER 3/B
Rural agrarianism to advanced industrialism. Political and social forces, problems of capitalism, social classes.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 36600 - Role of Women in American History
GER 3/B PD/D
Women in all aspects of the country's past; drive to suffrage and its aftermath.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 36700 - Civil War and Reconstruction**

GER 3/B PD/D
Slavery, sectional conflict, political crisis of Union. New interpretations of postwar race relations.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 36900 - African American History in the United States**

GER 3/B
From the Colonial era to the present. Slavery, emancipation, social and cultural transformation, political turning points and economic issues.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 37000 - The West in American History**

GER 3/B
As an undeveloped area; westward expansion, Indian-white relations; paradoxes of government policy; the modern West.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 38300 - Problems in U.S. History (W)**

GER 3/B
Intensive reading and research in selected topics.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

**HIST 48300 - Problems in U.S. History (Honors) (W)**

GER 3/B
Courses at the 300-level and above not offered to freshmen.
prereq: perm chair/prereq or coreq: ENGL 12000
3 hrs 3 cr.

**History: World/Nonwestern/Latin American History**

**HIST 11100 - World History to 1500**
GER 2/B PD/A
The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional connections; the spread of civilization across the globe.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 11200 - World History from 1500 to the Present

GER 2/B
The transition from relatively isolated individual cultures to an interrelated global network; the impact of the democratic and scientific revolutions; the development of nationalism and internationalism among the nations of the world.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 20800 - History of the Jews

GER 2/B, PD/A
An introductory survey emphasizing how Jewish communities adapted to a wide range of environments during more than 3000 years of world history.
prereq or coreq: ENGL 12000
3 hours 3 credits

HIST 21000 - History of Judaism

GER 2/B
Survey of the Jewish religious tradition with attention to interactions between Judaism and other religions and to the role of Judaism in the formation of Christianity and Islam.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 27100 - Early History of Latin America

History and cultures of Amerindian groups in Central and South America and the Caribbean; encounter and multiple interactions of European and African cultures with indigenous societies; development of Iberian colonial systems and cultures within the Americas.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 27200 - History of Latin America in the 19th and 20th Centuries

Political, economic, social and cultural transformations contributing to the development of modern Latin America. Emphasis will be on major historical processes and their impact on the region's cultural diverse population.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 27650 - Middle Eastern History from the Beginning of Islam to 1800

Religious, cultural and social changes in the region. The emergence of the religion of Islam, the expansion of the Islamic realm and the rise and fall of subsequent Islamic states up to the 18th century.
**HIST 27651 - The Modern Middle East from 1800 to the Present**

PD/A
The transformation of states and peoples in the last two centuries in the region stretching from Turkey to Iran and including Iraq, Syria, Egypt and Arabia. Modern social and cultural trends, conflicts and reactions under the impact of imperialism, nationalism, economic trends and religious forces.

**HIST 27700 - East Asia to 1600**

GER 2/B PD/A
Survey of traditional cultures and sociopolitical structures of China, Japan, Korea and Vietnam to about 1600 AD.

**HIST 27800 - East Asia, 1600 to the Present**

GER 2/B PD/A
Coming of West to Asia and resulting processes of revolution and modernization after 1600 AD.

**HIST 28800 - History of Africa to the 19th Century**

GER 2/B PD/A
Survey of pre-colonial African societies with emphasis on economic and social institutions changing under the impact of the environment.

**HIST 28900 - Africa in the 19th and 20th Centuries**

GER 2/B PD/A
Historical explanation of independent Africa rising after colonialism and adjusting to modernization.

**HIST 30100 - History of the Ancient Near East**

GER 3/B
Political and cultural developments in Egypt, Mesopotamia, Syria-Palestine, Asia Minor, Persia ca. 3000 BCE to 323 BCE.

**HIST 30900 - Jewish History in the Ancient World**
GER 3/B PD/A
The Jewish people from its origins in late antiquity; social and intellectual developments from biblical to Talmudic
times.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 37300 - History of the Ottoman Empire (W)

GER 3/B PD/A
This course comprises, chronologically and thematically, the history of the Ottoman Empire from the Turkic migrations
in the 12th-century to the end of the empire in 1923 and the rise of nationalism in the Middle East. Fundamental
knowledge of the history of the Middle East is recommended.

*prereq: ENGL 12000*
3 hrs 3 cr.

HIST 37700 - Ancient and Imperial China to 1800

GER 3/B
China's traditions and transformation from Neolithic times to the late-imperial period, emphasizing state/society
relations and the development of the centralized bureaucratic political system; covers political, economic, religious and
social developments.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 37800 - China Since 1800

GER 3/B
Internal and external challenges to China's traditional order; the collapse of the imperial system and the establishment
of a republic; the warlord period; the war against Japan; the civil war between Communist and Nationalist forces;
China since the rise of the Communist Party to state power in 1949.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 37900 - Japan to 1800

GER 3/B PD/A
Japanese history from Neolithic times to the late Tokugawa period, emphasizing political, social, religious and cultural
developments.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 38000 - Japan since 1800

GER 3/B PD/A
Japan's remarkable transformation from the late Tokugawa to the present, emphasizing political, cultural and social-
economic aspects of the Meiji Restoration, the rise of militarism and post-World War II developments.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 38500W - Problems in Non-Western History
GER 3/B
Intensive reading and research in selected topics.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 38900 - History of South Asia

GER 3/B
History of India and nearby countries from the ancient to modern times.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 39000 - History of Modern West Africa

GER 3/B
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 48500 - Problems in Non-Western History (Honors) (W)

GER 3/B
Courses at the 300-level and above not offered to freshmen.
prereq: perm chair
3 hrs 3 cr.

History: Topical, Seminar and Tutorial Courses

HIST 25000 - Historical Issues

Study of selected historical themes and issues. Topics vary each semester. May be taken a second time.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 29100 - Historical Methods

The study of history, its sources and its methods.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 30000 - Historical Research (W)

GER 3/B
Closely supervised work on an individual basis in planning, preparing and writing a history research paper. The course will be taken in connection with a 300-level course, with permission of that instructor. Two HIST 300 courses are required of a history major.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
1.5 hrs1.5 cr.

HIST 34100 - Topics in History

GER 3/B
Exploration of major trends, special controversies or significant events; topics vary each term.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 34122 - Latin American Political Economy

GER 3/B
courses at the 300-level and above not open to freshmen
3 hrs3 cr.

HIST 34139 - African Influences in the Americas

GER 3/B
Courses at the 300-level and above not open to freshmen
3 hrs3 cr.

HIST 38200 - Historical Studies Seminar

GER 3/B
Topics vary each term.
Courses at the 300-level and above not offered to freshmen.
prereq: GPA 2.8; history GPA 3.5
3 hrs3 cr.

HIST 39100 - Historical Restoration and Museum Work

GER 3/B
Introduction to museum work.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 40000 - Historiography

GER 3/B
The origins of history writing and the modern historical profession; modes of historical research; the evaluation of historical evidence; the historical and social uses of history. Recommended for all history majors. Required of students who wish to graduate with honors in history.
Courses at the 300-level and above not offered to freshmen.
prereq: not open to students who have completed fewer than 80 credits
3 hrs3 cr.

HIST 49300 - Individual Tutorial Research Project
GER 3/B
Research paper under individual supervision of faculty member.

Courses at the 300-level and above not offered to freshmen.

prereq: perm chair and instr.

3 hrs 3 cr.

HIST 49800 - Internship

Work in professional institutions.

Courses at the 300-level and above not offered to freshmen.

prereq: perm chair

1-6 cr.

Human Rights

HR 20000 - Introduction to Human Rights: History, Discourse, Practice (W)

GER 3/B PD/D
An introduction to the study of human rights. It explores the historical, philosophical, and legal roots of human rights as a political idea and institutionalized practice. It also addressed the contested nature of human rights as an idea and practice in contemporary societies. In addition to providing an introduction to the subject, the course is a requirement for students minoring in Human Rights or pursuing a Human Rights Certificate.

In order to pursue a Human Rights minor or Certificate, a student must receive at least a B (3.0) in this course. Students should take this introductory course in their sophomore year but must take it no later than the first semester of their junior year.

This is a writing intensive course.

prereq: ENGL 12000 or equivalent; one course in ethics, political philosophy, political theory, sociological theory, or permission from the instructors.

3 hrs 3 cr.

fall and spring

HR 25000 - Human Rights Internship

This is a practicum course. It involves students participating in an organization that identifies its mission as the promotion of human rights. The aim of the course is to educate students in the practical dimension of translating human rights discourse and law into practice. The course is required for students seeking a Human Rights Certificate or a minor in Human Rights.

prereq: ENGL 12000 or equivalent; HR 20000 or equivalent

3 hrs 3 cr.

HR 26000 - Human Rights Internship Seminar (W)

This course critically evaluates the role of human rights organizations and human rights practices in determining the meaning and value of human rights.

prereq: ENGL 12000 and HR 20000

prereq or coreq: HR 25000
HR 35000 - Human Rights Capstone Seminar (W)

This course involves the theoretical examination of constitutive problems in the discourse and practice of human rights, especially as they would inform the composition of a human rights academic research project. It requires participating students to present their research projects in the seminar and to compose a 20-25 page research paper on a human rights topic.

*This course is specifically designed for students who are pursuing a Certificate in Human Rights.*

*This is a writing intensive course.*

prereq or coreq: HR 26000

Offered spring 2012; not offered fall 2011

**Humanities and The Arts**

HUM 11000 - Map of Knowledge (W)

GER 2/C
Introduction to range of knowledge available in the curriculum. Discusses subject matter and methodology of various disciplines as well as their relations within and across the curriculum to aid students in making intelligent choices in their course of study.

3 hrs3 cr.

HUM 20100 - Explorations in the Arts

GER 2D
Introduction to temporal and spatial arts with special emphasis on theatre, film, music, and visual arts. Focus on principles they share as well as on their distinguishing features. Attendance at artistic events in NYC.

3 hrs3 cr.

**Japanese**

JPN 10100 - Elementary Japanese I


10100 not credited without 10200.

3 hrs3 cr.

JPN 10200 - Elementary Japanese II
Continuation of 10100.

prereq: JPN 10100 or equiv.
3 hrs 3 cr.

**JPN 20100 - Intermediate Japanese I**

Continuation of JPN 10100-10200. Extensive reading and writing practice, including at least 500 additional kanji; advanced grammar study.

prereq: JPN 10200 or equiv.
3 hrs 3 cr.

**JPN 20200 - Intermediate Japanese II**

Continuation of JPN 20100.

prereq: JPN 20100 or equiv.
3 hrs 3 cr.

**JPN 25100 - Japanese Culture Before 1600**

GER 2C PD/A

Designed for students who wish to become acquainted with Japanese culture. It will cover the periods from pre-history to 1600 and focus on elements that helped shape contemporary Japanese culture. Taught entirely in English.

3 hours 3 credits

**JPN 25200 - Japanese Culture Since 1600**

GER 2C PD/A

Designed for students who wish to become acquainted with Japanese culture. It will cover the Edo Period and Modern Japan—including contemporary Japanese culture. Taught entirely in English. JPN 251 is not prerequisite.

3 hours 3 credits

**JPN 30100 - Advanced Japanese I**

Continuation of JPN 20200. Extensive reading and writing practice, including at least 700 additional kanji; advanced grammar study.

prereq: JPN 20200 or equiv.
3 hrs 3 cr.

**JPN 30200 - Advanced Japanese II**

Continuation of JPN 30100. Extensive reading and writing practice, including at least 600 additional kanji; advanced grammar study.

prereq: JPN 30100 or equiv.
3 hrs 3 cr.

**Jewish Studies**
JSS 30000 - Independent Studies

Not open to students who have completed fewer than 30 credits. Guided readings under faculty supervision on a topic in Jewish Social Studies. May be repeated up to 3 times for a total of not more than 9 credits.

prereq: 3 cr. in Jewish Social Studies recommended
1-6 hrs1-6 cr.

JSS 31000 - Jewish Studies Fieldwork

Supervised experience in a Jewish community agency, periodic consultation with program director and preparation of report or term paper based on the experience. May be taken twice for a total of 6 cr.

prereq: qualified Jr/Sr.
hrs TBA3-6 cr.

JSS 40000 - Individual Honors Project

Not open to students who have completed fewer than 60 credits. Guided readings on a topic in Jewish studies under faculty supervision. May be repeated on different topics for a total of 6 credits. A substantial research paper is required.

Selected topics and problems in Jewish studies. qualified Jr/Sr, perm instr. or program director
prereq: 12 cr. in Jewish Social Studies, perm program director
3-6 hrs3-6 cr.

JSS 41050 - Jewish Studies Seminar I

Selected topics and problems in Jewish studies.

prereq: qualified Jr/Sr, perm instr. or program director
3 hrs3 cr. each

JSS 41051 - Jewish Studies Seminar II

Selected topics and problems in Jewish studies.

prereq: qualified Jr/Sr, perm instr. or program director
3 hrs3 cr. each

Latin

LAT 10100 - Beginning Latin

LAT 10100 not credited without LAT 10200.
8 hrs8 cr.
offered fall

LAT 10200 - Beginning Latin

8 hrs8 cr.
offered spring
LAT 10700 - Beginning Latin, Intensive
6 hrs 6 cr.
offered summer

LAT 11000 - Latin Reading
prereq: LAT 10200 or equiv.
3 hrs 3 cr.
offered fall

LAT 20100 - Ovid's Metamorphoses
prereq: LAT 11000 or equiv.
3 hrs 3 cr.

LAT 20200 - Roman Biography
prereq: LAT 11000 or equiv.
3 hrs 3 cr.

LAT 20300 - Vergil's Aeneid
prereq: LAT 11000 or equiv.
3 hrs 3 cr.

LAT 20400 - Cicero's De Senectute
prereq: LAT 11000 or equiv.
3 hrs 3 cr.

LAT 22000 - Medieval Latin
prereq: LAT 11000 or equiv.
3 hrs 3 cr.
offered summer

LAT 30200 - Roman Letter
prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30300 - Roman Comedy
prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30400 - Roman Satire
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30500 - Vergil's Eclogues and Georgics

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30600 - Cicero

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30700 - Lucretius' De Rerum Natura

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30800 - Roman Epic

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30900 - Lyric Poetry of the Golden Age

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31000 - The Roman Novel

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31100 - Elegiac Poets

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31200 - Livy

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31300 - Caesar

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31400 - Tacitus
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31500 - Anthology of Latin Verse

prereq: LAT 20100 or equiv.
1 hrl cr.

LAT 31600 - Advanced Readings in Latin Literature

prereq: LAT 20100 or equiv.
3 hrs3 cr.

Latin American and Caribbean Studies

LACS 33000 - Latin America and the Caribbean Field Course/Internship

A field course for students to study in the region or who are interning in an institution either in the New York area or in the region. Major research paper based on field or internship experience.
3 cr.

LACS 43400 - Seminar in Latin American and Caribbean Studies

Open to sophomores, juniors, and seniors who have completed at least 18 credits in LACS or have instructor permission. Interdisciplinary reading, research, and discussion of selected topics involving cultural, economic, political, and social problems. Research paper required. May be repeated for a maximum of 6 edits.
3 cr.

Macaulay Honors

MHC 10000 - MHC Seminar 1, The Arts in New York City (W)

Fulfills GER 2D, Visual and Performing Arts: Media, Art, Dance, Film, Music, Theatre
prereq: Open to Macaulay Honors College students only
3 hours3 credits

MHC 15000 - MHC Seminar 2: Peopling of New York (W)

Macaulay Honors College
Fulfills GER 2B, Social Science: People and Their Societies.
prereq: Open only to Macaulay Honors College students.
3 hours3 credits

MHC 20000 - MHC Seminar 3: Science and Technology (W)
Macaulay Honors college only
Fulfills GER 3B, Social Science or Natural Science/Mathematics
prereq: Macaulay Honors College only. ENGL 12000; MHC 15000 or its equivalent at another CUNY Honors College campus
3 hours3 credits

MHC 25000 - MHC Seminar 4: Shaping the Future of New York City (W)

Macaulay Honors College
Fulfills GER 2B, Social Science: People and their Societies
prereq: Open only to Macaulay Honors College students.
3 hours3 credits

Mathematics and Statistics: Mathematics

In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.
Prerequisites: Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better.

MATH 10000 - Basic Structures of Mathematics

GER 1/B
Not open to students who have received credit for any math or stat course that satisfies the GER 1/B requirement. Not recommended for students majoring in mathematics, statistics, computer science, or natural sciences. Symbolic logic, sets, number systems, relations and operations and topics in probability and statistics. This course is a terminal course and does not serve as a prerequisite to any other course in the department
prereq: CUNY Math Proficiency
3 hrs3 cr.

MATH 10100 - Algebra for College Students

Topics in algebra, graphing and functions Includes: algebraic and graphical solutions to systems of equations and inequalities; absolute value, polynomial, rational and radical expressions and equations; complex numbers; the function concept; introduction to polynomial, rational and exponential functions and their graphs.
In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.
prereq: appropriate score on placement exam or exit from appropriate departmental workshop
4 hrs (2 lec, 2 lab)3 cr.

MATH 10200 - Mathematics and Everyday Life

GER 1/B
Students will learn how to model real world problems with mathematics, and learn techniques for solving them. Topics include personal finance, statistical reasoning, probability, exponential growth, and voting theory.

prereq: CUNY Math Proficiency
3 hours3 credits
MATH 10400 - Mathematics for Elementary Education I

Fundamental and relevant mathematics as recommended by the NCTM for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers and number theory. Required of students planning to teach in elementary schools. Not open to other students.

prereq: grade of C or better in MATH 10100 or appropriate score on the placement exam

3 hrs3 cr.

MATH 10500 - Mathematics for Elementary Education II

Continuation of the content of the mathematics recommended by the NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence and similarity.

prereq: grade of C or better in MATH 10400

3 hrs3 cr.

MATH 11000 - Topics in the Mathematical Sciences

Not open to students who have completed MATH 10500, 16000 or 26000. Intended for liberal arts or social science students. Applications of topics selected from algebra, analysis, computer science, geometry, probability and statistics.

prereq: college-level mathematics or statistics course.

3 hrs3 cr.

MATH 11100 - Matrices, Vectors and Linear Programming

Not open to students who have completed MATH 16000 or 26000. Recommended for accounting students; not recommended for students majoring in mathematics or statistics. Introduction to matrices and vectors, systems of linear equations and linear programming with applications.

prereq: MATH 10100 or appropriate score on placement exam

3 hrs3 cr.

MATH 12500 - Precalculus

Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.

prereq: grade of C or better in MATH 10100 or appropriate score on placement exam

4 hrs4 cr.

MATH 12600 - Precalculus Technology Laboratory

Students are introduced to MATHEMATICA as a tool for exploring qualitative features of functions and solving pre-calculus problems: simplifying algebraic expressions, solving equations, plotting functions and curves, finding and approximating zeros and solving systems of equations. MATH 12600 cannot be taken for credit after a student has passed MATH 15000. Students who have passed MATH 15000 should register for MATH 15400 to satisfy the symbolic proficiency requirement.
prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
2 hrs1 cr.

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

**MATH 15100 - Calculus I with Symbolic Computation**

Combines MATH 15000 (Calculus I) with MATH 15400. Some previous experience with computers is desirable but not required
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam
6 hrs5 cr.

**MATH 15400 - An Introduction to Symbolic Computation**

Laboratory introduction to machine-aided computation with an emphasis on examples related to calculus. Students use a symbolic computation package to investigate and solve problems numerically, analytically and graphically. The same package is used to create reports of their results. Some previous experience with computers is desirable but not required.
prereq: MATH 15000
2 hrs1 hr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

**MATH 15600 - Introduction to Mathematical Proof Workshop**

Techniques of proof will be introduced, among them the direct and indirect methods of proof, epsilon-delta arguments and induction. These will be applied to theorems in number theory, set theory and in differential and integral calculus.
In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.
prereq: MATH 15000. Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better.prereq or coreq: MATH 15500
2 hrs1 cr.

**MATH 16000 - Matrix Algebra**

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs3 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and
numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs3 cr.

MATH 25500 - Vector Analysis

GER 3/B
Line and surface integrals, Green's Theorem, divergence theorem, Stokes' Theorem, generalized coordinates.
prereq: MATH 25000
3 hrs3 cr.

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
prereq: MATH 15600prereq or coreq: MATH 25000
4 hrs4 cr.

MATH 26100 - Mathematics in Human History (W)

GER 2/B
A historical treatment of themes in mathematics, probability and statistics, with applications in the arts and sciences.
Roots of mathematics in non-Western cultures and contributions of women and minorities are included.
prereq: ENGL 12000, college-level mathematics course beyond MATH 10100
3 hrs3 cr.

MATH 27500 - Intermediate Symbolic Logic

GER 3/B
Symbolization of statements in sentential and predicate notation, sentential derivations, interpretations, predicate
derivations through logic of identity and definite descriptions. Cross-listed as PHIL 27500.
prereq: MATH 15600
3 hrs3 cr.

MATH 29500 - Intermediate Topics in Mathematics
GER 3/B
May be repeated as topics vary, but not more than twice. Topics to be studied in any given term will be announced
prior to registration.

prereq: MATH 15000; additional depend on specific course offered
3 hrs 3 cr.

MATH 30100 - Mathematical Methods for the Physical Sciences

GER 3/B
The solution of linear partial differential equations and boundary value problems. Solution techniques such as
separation of variables, Fourier series, Green's functions and Laplace transforms are covered. These are applied to
several equations which occur in physical applications such as the heat equation, the Laplace equation and the wave
equation. Crosslisted as PHYS 30100.

prereq: MATH 25400
3 hrs 3 cr.

MATH 31100 - Abstract Algebra I

GER 3/B
Introduction to the theory of groups and rings.

prereq: MATH 26000
3 hrs 3 cr.

MATH 31200 - Abstract Algebra II

GER 3/B
Elements of Galois theory, construction with ruler and compass, advanced topics in ring theory and linear algebra.

prereq: MATH 31100
3 hrs 3 cr.

MATH 31300 - Theory of Numbers

GER 3/B
Congruences, quadratic residues, elementary Diophantine analysis, continued fractions, sums of squares.

prereq: MATH 26000
3 hrs 3 cr.

MATH 33100 - Geometries

GER 3/B
Topics in affine and projective geometry and/or topics in differential geometry.

prereq: MATH 26000
3 hrs 3 cr.

MATH 34000 - Topology

GER 3/B
Metric and topological spaces, continuity, homeomorphisms, compactness, connectedness, homotopy, fundamental
group.

prereq: MATH 35100
3 hrs 3 cr.
MATH 35100 - Mathematical Analysis I

GER 3/B
Rigorous treatment of foundations of calculus, including topology of real line and higher dimensional spaces. Basic results on continuous functions.
prereq: MATH 25000, 26000
3 hrs 3 cr.

MATH 35200 - Mathematical Analysis II

GER 3/B
Integration, sequences and series, uniform convergence, differentiation of functions of several variables, inverse and implicit function theorems, formula for change of variables.
prereq: MATH 35100
3 hrs 3 cr.

MATH 35300 - Introduction To Complex Variables

GER 3/B
Complex numbers, analytic functions, elementary functions, contour integrals, Cauchy integral theory, series.
prereq: MATH 15600, 25500
3 hrs 3 cr.

MATH 35400 - Dynamical Systems and Chaos

GER 3/B
Linear flows, qualitative theory of low-dimensional nonlinear systems, introduction to chaos in discrete one-dimensional dynamical systems.
prereq: MATH 25000, 26000
3 hrs 3 cr.

MATH 37000 - Mathematical Logic

GER 3/B
A survey of the central results and techniques of metalogic, principally mathematical induction, the soundness and completeness of theorems for first-order logic, the Skolem Theorem and Church’s Theorem on undecidability. Cross-listed as PHIL 37500.
prereq: MATH 26000 or perm instr.
3 hrs 3 cr.

MATH 37100 - Fundamental Concepts of Modern Mathematics

GER 3/B
Axiomatic approach to set theory: axiom of choice, Zorn’s Lemma, transfinite arithmetic.
prereq: two of the following: MATH 26000, 31100, 35100, 35200
3 hrs 3 cr.

MATH 37600W - Philosophy of Mathematics
GER 3/B
Study of such issues as the nature of demonstration or proof and the nature of mathematical knowledge and mathematical objects such as numbers and sets. Cross-listed as PHIL 37600.
cross-listed PHIL 37600
*prereq:* ENGL 12000; PHIL 10100, MATH 27500
3 hrs3 cr.

MATH 38500 - Numerical Methods I

GER 3/B
Accuracy and precision, convergence, iterative and direct methods. Topics selected from: solution of polynomial equations and linear systems of equations, curve fitting and function approximation, interpolation, differentiation and integration, differential equations.
*prereq:* MATH 25000 and MATH 26000 or permission of the instructor
3 hrs3 cr.

MATH 39100 - Independent Study in Mathematics

GER 3/B
Open to Jr/Sr only. Independent study and reading under direction of faculty member.
*prereq:* perm dept.
1-3 hrs1-3 cr.

MATH 39200 - Independent Study in Mathematics

GER 3/B
Open to Jr/Sr only. Independent study and reading under direction of faculty member.
*prereq:* perm dept.
1-3 hrs1-3 cr.

MATH 39300 - Independent Study in Mathematics

GER 3/B
Open to Jr/Sr only. Independent study and reading under direction of faculty member.
*prereq:* perm dept.
1-3 hrs1-3 cr.

MATH 39500 - Advanced Topics in Mathematics

GER 3/B
Topics to be studied in any given term will be announced prior to registration. May be repeated as topics vary, but not more than twice.
*prereq:* MATH 25000, 26000; additional depend on specific course offered
3 hrs3 cr.

MATH 45400 - Calculus on Manifolds

GER 3/B
Functions on Euclidean space, implicit function theorem, Fubini's Theorem, integration on chains and manifolds.
*prereq:* MATH 35200
3 hrs3 cr.
MATH 48500 - Numerical Methods II

GER 3/B
Advanced topics in numerical solutions to partial differential equations, finite element method, von Neumann stability analysis, finite difference method. Examples from computational fluid dynamics and structural mechanics.
cross-listed CSCI 48500 and PHYS 48500
prereq: MATH 38500 or permission of instructor
3 hrs 3 cr.

MATH 49000 - Honors Seminar

GER 3/B
prereq: MATH 31100, 35100, perm dept.
3 hrs 3 cr.

Mathematics and Statistics: Statistics

In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.
Prerequisites: Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better.

STAT 11000 - Selected Topics in Elementary Probability and Statistics as Applied to Popular Science and Current Events

GER 1/B
Topics to be studied in any given term will be announced prior to registration. This course does not serve as a prerequisite for any other mathematics or statistics course. This course is a topics course that serves as an introduction to selected topics in probability and statistics with applications to the real world.
prereq: CUNY Math Proficiency
3 hrs 3 cr

STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.
prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs 3 cr.

STAT 21200 - Discrete Probability
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

**prereq:** MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs 3 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

**prereq:** MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

**STAT 21400 - Data Analysis Using Statistical Software**

GER 3/B
Familiarity with the Windows computing environment encouraged. Analysis of variance, simple and multiple regression, nonparametric statistics, statistical model building

**prereq:** STAT 21300 or MATH 12500 and STAT 11300 with grade of C or better in each course.
3 hrs 3 cr.

**STAT 22000 - Statistical Analysis in Forensics**

GER 3/B
A second course in probability and statistics and the evaluation of evidence in the forensic sciences.

**prereq:** STAT 21200 and either STAT 21300 or 11300 by permission of instructor. One of the above, i.e., STAT 21200 or STAT 21300 or STAT 11300 by permission of instructor may be taken as a coreq.
3 hrs 3 cr.

**STAT 29500 - Intermediate Topics in Statistics**

GER 3/B
Topics to be studied in any given term will be announced prior to registration. May be repeated as topics vary, but not more than twice.

**prereq:** STAT 21300 or STAT 11300 and MATH 12500; additional prereqs. depend on specific course offered.
3 hrs 3 cr.

**STAT 31100 - Probability Theory**

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.

**prereq:** MATH 25000.
3 hrs 3 cr.

**STAT 31200 - Stochastic Processes**
GER 3/B
Discrete and continuous stochastic processes including Markov chains, birth processes, queues and Brownian motion.

prereq: STAT 31100
3 hrs 3 cr.

STAT 31300 - Introduction to Mathematical Statistics

GER 3/B
Estimation, hypothesis testing, confidence limits for normal, binomial, Poisson and exponential random variables.

prereq: STAT 31100
3 hrs 3 cr.

STAT 31900 - Bayesian Statistical Inference in the Sciences

GER 3/B

prereq: MATH 15500; at least one of STAT 21200, STAT 21300 or STAT 21400 (or permission of instructor).
Prerequisites waived for students who have passed STAT 311.
Familiarity with matrix algebra (at the level of MATH 160) and with the Windows computing environment are encouraged.

3 hrs 3 cr

STAT 35100 - Advanced Biometrics

GER 3/B
A second course in statistics covering quantitative methods applicable in the life sciences. Topics include experimental design, life table analysis, ethical issues, survival analysis, logistic regression and Cox regression. Linear algebra recommended but not required.

prereq: math at level of MATH 12500, STAT 11300, 21300 or equiv. intro. statistics course
3 hrs 3 cr

STAT 39100 - Independent Study

GER 3/B
Open to Jr/Sr majors only. Independent study in which a topic of interest is selected by the student. The study is carried out under the direction of a faculty member.

prereq: perm. dept.
1 hr. 1 cr.

STAT 39200 - Independent Study

GER 3/B
Open to Jr/Sr majors only. Independent study in which a topic of interest is selected by the student. The study is carried out under the direction of a faculty member.

prereq: perm. dept.
2 hrs. 2 cr.
STAT 39300 - Independent Study

GER 3/B
Open to Jr/Sr Majors only. Independent study in which a topic of interest is selected by the student. The study is carried out under the direction of a faculty member.

*prereq: perm. dept.*
3 hrs.3 cr.

STAT 39500 - Advanced Topics in Statistics

GER 3/B
Topics to be studied in any given term will be announced prior to registration. May be repeated as topics vary, but not more than twice.

*prereq: STAT 31100; STAT 31200 or 31300; additional prereqs. depend on specific course offered*
3 hrs3 cr.

STAT 48600 - Elements of Visualization

GER 3/B
The structure and purpose of visualization systems; includes fully developed examples from statistics and applied mathematics. Final project required.

*prereq: MATH 38500 (or CSCI 38500, PHYS 38500) or all of MATH 16000, MATH 25000 and STAT 21300.*
3 hrs3 cr.

Medical Laboratory Science

MLS 30000 - Fundamental Concepts and Techniques in the Medical Laboratory

Function of the medical laboratory, data analysis and operation of basic laboratory equipment. Approximately 1-2 informal laboratory hours are required to practice the use of equipment.

*prereq: BIOL 10000, 10200, CHEM 10200, 10300, 10400, 10500 or equiv.*
3 hrs (2 lec, 1 lab)3 cr.

MLS 31200 - Human Physiology: Integration and Control

Study of function at the cellular and systemic level, with emphasis on the integrated organism and associated control systems. Electronic resources are used extensively in this course.

*prereq: BIOL 10000 and 10200, CHEM 10400, 10500 or equiv.*
3 hrs3 cr.

MLS 34700 - Human Histology

Structure and function of normal human tissues and cells, including systematic study of microscopic morphology.

*coreq: MLS 31200*
5 hrs (2 lec, 3 lab)3 cr.
MLS 34900 - Hematology

Study of normal and pathological conditions of blood. Use of current diagnostic techniques to analyze peripheral blood and bone marrow, differential counting and blood banking.

prereq or coreq: MLS 30000
5 hrs (2 lec, 3 lab) 3 cr.

MLS 35100 - Clinical Microbiology I

Properties and mechanisms of pathogenesis of microorganisms associated with disease and the antimicrobial agents used to control them.

prereq or coreq: MLS 30000
5 hrs (2 lec, 3 lab) 3 cr.

MLS 35200 - Clinical Microbiology II

Continuation of MLS 35100 with particular emphasis on anaerobic bacteria, fungi, and viruses. Diagnostic strategies using classical, serological and molecular techniques.

prereq: MLS 30000, 35100 or equiv.
5 hrs (2 lec, 3 lab) 4

MLS 35400 - Clinical Biochemistry I: Biomolecules & Metabolism

Basic macromolecules of life, including amino acids, lipids, nucleic acids, and carbohydrates; membrane biochemistry and signal transduction; cellular metabolism and bioenergetics; clinical and biochemical laboratory methods.

prereq: CHEM 22200
5 hrs (2 lec, 3 lab) 3.5 cr.

MLS 35500 - Clinical Biochemistry II: Genes to Proteins

Structure and function of nucleic acids and proteins and the genetic basis of human disease. Laboratory methodologies include analysis of proteins, including enzymes in clinical samples, and manipulation of microbial nucleic acids.

prereq: MLS 35400
5 hrs (2 lec, 3 lab) 3.5 cr.

MLS 36100 - Computers and Data Processing in the Medical Laboratory

Study of computer integration in the medical and research lab, data compilation and medical information systems. Approximately 3 additional informal lab hours are required weekly.

prereq: MATH 15000 or STAT 11300
3 hrs (1 lec, 2 lab) 3 cr.

MLS 40000 - Topics in Biomedical Sciences

Topics vary from semester to semester and are announced before registration.

1-3 hrs 1-3 cr.

MLS 41000 - Professional Practice
Directed full-time experience in clinical, research, public health or other biomedical laboratories. Arranged on an individual basis.

*prereq: perm director 8 wks
3 cr.*

**MLS 43000 - Immunohematology**

Study of the immunologic properties of blood associated with blood group systems, donor screening, transfusion reactions and hemolytic disease and laboratory techniques used to characterize antigen-antibody reactions.

*prereq: MLS 34900
3 hrs (2 lec, 1 lab) 3 cr.*

**MLS 45000 - Cell and Tissue Culture**

Cell and tissue culture theory and techniques, including starting primary cultures, passing and preservation of cells, cell cycle and growth factor assays and monoclonal antibody techniques. Several informal hours are required each week in the lab in addition to the scheduled class.

*prereq: MLS 35100 coreq: MLS 34700, 35200
5 hrs (2 lec, 3 lab)4 cr.*

**MLS 45400 - Parasitology**

Ecology, life cycle, physiology, and identification of intestinal, blood, tissue, and ectoparasites of humans.

*prereq: MLS 35100
5 hrs (2 lec, 3 lab)3 cr.*

**MLS 45700 - Senior Seminar**

Oral presentations and written exercises (including research proposal) introduce students to the use and proper citation of the biomedical literature, research design, effective scientific communication and regulatory oversight of science.

*prereq: perm instr.
2 hrs3 cr.*

**MLS 45900 - Viral Mechanisms in Human Disease**

Structure and replication of viruses, viruses as models in molecular biology, and the mechanism of interferon action in relation to human disease.

*prereq: MLS 35100 and 35200 or equiv.
2 hrs2 cr.*

**MLS 46000 - Immunology**

Cellular reactions in immunology, structure of antibodies and antigens, and laboratory determination of immune functions.

*prereq: MLS 34900, 35100 coreq: MLS 35200, 35400
5 hrs (2 lec, 3 lab)3 cr.*

**MLS 49000 - Honors**
prereq: perm director
hrs TBA3 cr.

Music: Introductory Courses

MUSHL 10100 - Introduction to Music

GER 2/D PD/D
For non-majors. Selected compositions primarily from the European tradition studied with aim to develop perceptive listening.
3 hrs3 cr.

MUSHL 10700 - The World of Music

GER 2/D PD/A
For non-majors. Introduction to music from a spectrum of world cultures, including Africa, Asia, and the Caribbean.
3 hrs3 cr.

MUSTH 10100 - Music Theory Fundamentals

GER 2/D
For non-majors. Introduction to music theory, sight singing, and ear training.
3 hrs3 cr.

Music: History and Literature of Music

MUSHL 20100 - Introduction to Music Research

Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals, scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing issues specific to music.
coreq: MUSHL 20500

1 cr.
offered fall

MUSHL 20500 - Music History I

PD/D
For music majors. Survey of the history of music in the European tradition to 1600.
prereq: elementary knowledge of music history and literature, demonstrated by dept. exam
coreq: MUSHL 20100

or coreq: MUSTH 22000, 23000, ENGL 12000, perm dept.
3 hrs3 cr.
offered fall

MUSHL 20600 - Music History II (W)
PD/D
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600
to 1800.
prereq: MUSHL 20100, 20500, ENGL 12000
or coreq: MUSTH 22100, 23100
3 hrs3 cr.
offered spring

MUSHL 21000 - Music for the Piano (W)

GER 3/A PD/D
Piano literature from the 18th century to the present.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20000, MUSTH 10100, or perm instr.
3 hrs3 cr.

MUSHL 21200 - Masterpieces of Opera (W)

GER 3/A PD/D
Study of operatic styles of such composers as Mozart, Verdi, and Wagner.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.

MUSHL 21700 - History of Jazz (W)

GER 3/A PD/B
Survey of jazz from its origins to the present.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.

MUSHL 22100 - Black Music in the Americas (W)

GER 3/A PD/B
The origins, history, and evolutionary progression of Black music in the Americas; shared musical practices and
resources in the multicultural matrix of the United States in particular and the hemisphere in general.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.

MUSHL 22700 - Master Composers (W)

GER 3/A
Study of works of single composer. Topics to be announced. May be taken 6 times.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.

MUSHL 23100 - Folk and Traditional Music (W)

GER 3/A
Study of ethnic music of selected cultures.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.
MUSHL 24000 - Music of the Caribbean and Latin America (W)

GER 3/A PD/A
Origin and development of Caribbean and Latin American musical styles and their impact on the United States and other parts of the world.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 101, or perm instr.
3 hrs 3 cr.

MUSHL 24100 - Music of Asia (W)

GER 3/A PD/A
Music and its relationship to dance and drama in the major civilizations of East Asia, Southeast Asia, South Asia, Central Asia, and the Middle East.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 24500 - Music of Africa (W)

GER 3/A PD/A
Introduction to traditional and popular African music and performance practices. Theoretical and methodological issues as defined by ethnomusicology.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 25000 - Women and Music (W)

GER 3/A PD/C
An ethnomusicological study of women and music in cross-cultural perspective.
cross-listed WGS 25000 (W)
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, WGS 10000, or perm. Instr.
3 hrs 3 cr.

MUSHL 25200 - Film Music (W)

GER 3/A
Introduction to the history, aesthetic, form and techniques of film music, for everyone interested in film or film music, from the casual viewer of television movies and videotapes to film and music majors.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 26100 - Special Topics in History and Literature of Music (W)

GER 3/A PD/A or B or C
Study of works illustrating one specific genre, style, or period. Topics to be announced. May be taken 6 times. Depending on topic, may satisfy PD.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 26200 - Special Topics in Music (W)
A study of a musical topic outside the traditional classifications of music history, theory, and performance. Topics to be announced.

prereq: ENGL 12000; MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.

**MUSHL 30500 - Music History III (W)**

PD/D
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.
prereq: MUSHL 20600, MUSTH 22100, 23100
3 hrs3 cr.
offered fall

**MUSHL 30600 - Music History IV (W)**

PD/D
Central issues in the history of European music, such as the role of patronage in musical culture, relationships of musical style to instruments and performing ensembles, and the impact of historical consciousness on contemporary musical life.
prereq: MUSHL 30500
3 hrs3 cr.
offered spring

**MUSHL 35200 - Introduction to Ethnomusicology I (W)**

PD/A
prereq: MUSTH 22100, 23100 or perm instr; ENGL 12000
3 hrs3 cr.

**MUSHL 35300 - Introduction to Ethnomusicology II (W)**

PD/A
Survey of musical traditions of North Africa, the Middle East, Oceania, and South and East Asia.
prereq: MUSTH 22100, 23100 or perm instr; ENGL 12000
3 hrs3 cr.

**MUSHL 36100 - Special Topics in History and Literature of Music (W)**

Specialized study of selected genre, locality, period, style, composer, or problem. Topics to be announced. May be taken 6 times.
prereq: ENGL 12000, variable music courses
3 hrs3 cr.

**MUSHL 49800 - Music Internship**

Internship in various arts institutions in New York City.
prereq: perm dept.
1-6 cr.
Music Performance

MUSPF 11100 - Elementary Voice I

For non majors. Fundamentals of breath control, tone production, and articulation. Vocalises and simple songs.
2 hrs 1 cr.

MUSPF 11200 - Elementary Voice II

prereq: MUSPF 11100
2 hrs 1 cr.

MUSPF 12100 - Elementary Guitar I

For non majors. Class lessons in guitar: basic techniques, tuning, reading chord charts, playing and transposing songs, and learning chords, strums, and finger-pickings. Students must supply their own instruments.
prereq: MUSTH 10100 or perm dept.
2 hrs 1 cr.

MUSPF 12200 - Elementary Guitar II

prereq: MUSPF 12100
2 hrs 1 cr.

MUSPF 13100 - Elementary Piano I

For non majors. Class lessons in piano: basic techniques, playing simple pieces.
prereq: MUSTH 10100 or perm dept.
2 hrs 1 cr.

MUSPF 13200 - Elementary Piano II

prereq: MUSPF 13100
2 hrs 1 cr.

MUSPF 21100 - Voice I

prereq: declared music major or perm dept.
2 hrs 1 cr.

MUSPF 21200 - Voice II

Continuation of MUSPF 21100.
prereq: MUSPF 21100 or perm dept.
2 hrs 1 cr.
MUSPF 21300 - Piano I

Basic piano techniques, scales and chords, exercises, simple pieces, and sight-reading.
prereq: declared music major or perm dept.
2 hrs1 cr.

MUSPF 21400 - Piano II

Continuation of MUSPF 21300.
prereq: MUSPF 21300 or perm dept.
2 hrs1 cr.

MUSPF 22100 - College Choir

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.
3 hrs1 cr.

MUSPF 23100 - Hunter Symphony

Rehearsal and performance of orchestral works. May be taken 8 times.
prereq: audition, perm instr.
3 hrs1 cr.

MUSPF 24900 - Jazz Ensemble

Open to all instrumentalists by audition. Study and performance of popular forms of music, including dance, jazz, and musical comedy. May be taken 6 times.
2 hrs1 cr.

MUSPF 25000 - Popular Music Combo

Study and performance within a small ensemble context of the popular music genres, such as Pop, Rock, Hip-Hop, R & B, Country/Bluegrass, and Jazz. May be taken 6 times.
prereq or coreq: prereqs: audition, perm dept.
2 hrs1 cr.

MUSPF 25100 - Jazz Vocal Workshop Ensemble

Jazz performance and improvisation. May be taken 6 times.
prereq: MUSPF 11100 or 21100 or 40100 in Voice, and audition
2 hrs1 cr.

MUSPF 34900 - Conducting I

Principles of choral and orchestral conducting: technique of the baton, interpretation, repertoire, and score reading.
prereq: MUSTH 33100 or perm instr.coreq: audit MUSPF 22100 or 23100
3 hrs2 cr.
MUSPF 35000 - Conducting II

Continuation of MUSPF 34900.
prereq: MUSPF 34900 and MUSTH 33100 or perm instr.coreq: audit MUSPF 22100 or 23100
3 hrs 2 cr.

MUSPF 35300 - Chamber Singers

Study and public performance of solo and chamber chorus works from all musical eras. May be taken 6 times.
prereq: audition, perm instr.
2 hrs 1 cr.

MUSPF 35500 - Chamber Music Workshop

Rehearsal and public performance of instrumental chamber works. May be taken 6 times.
prereq: audition, perm instr.
2 hrs 1 cr.

MUSPF 36100 - Special Studies in Performance of Music

Number of works are studied, rehearsed, and performed. Topics to be announced.
May be taken 4 times.
prereq: perm dept.
1 cr.

MUSPF 36200 - Special Studies in Performance of Music

Number of works are studied, rehearsed, and performed. Topics to be announced.
May be taken 4 times.
prereq: perm dept.
2 cr.

MUSPF 36300 - Special Studies in Performance of Music

Number of works are studied, rehearsed, and performed. Topics to be announced.
May be taken 4 times.
prereq: perm dept.
3 cr.

MUSPF 36500 - Topics in Piano Performance

Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will
involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each
semester will also include individual attention to problems of public performance.
May be taken 4 times.
coreq: MUSPF 40100 or 43100
2 hrs 1 cr.

MUSPF 36900 - Topics in Vocal Performance
Seminar in performance for advanced voice students, focusing on a different topic each semester. The seminar will involve study and performance of representative works of vocal repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

*May be taken 4 times.*

**prereq:** ENGL 12000

**coreq:** MUSPF 40100 or 43100

2 hrs 1 cr.

**MUSPF 40100 - Individual Instruction in Instrument or Voice**

Limited to the 42-credit BA music major, the 25-credit BA music major, the BA/MA music major and the music minor. Audition demonstrating performance skills equivalent to New York State School Music Association (NYSSMA) level 2 or higher. Students must make their own arrangements with department-listed teachers to receive credit for this course. Jury examination required. The jury examination following the second and subsequent semesters of private lessons must demonstrate performance skills equivalent to NYSSMA level 4 or higher.

*May be taken 8 times.*

**prereq:** perm dept.

1 hr 1 cr.

**MUSPF 40200 - Individual Instruction in Second Instrument or Voice**

Individual instruction in second instrument or voice. Limited to the 42-credit BA music major, 25-credit BA music major, 60-credit BMus major, BA/MA music major and the music minor. Audition demonstrating performance skills equivalent to New York State School Music Association (NYSSMA) level 2 or higher. Students must make their own arrangements with department-listed teachers to receive credit for this course. Jury examination required.

*May be taken 8 times.*

**prereq:** perm dept.

1 hr 1 cr.

**MUSPF 43100 - Individual Instruction in Instrument or Voice**

Limited to students in the 60-credit BMus program and the BA/MA music program. Intensive study in instrumental or vocal techniques. Jury examination required.

*May be taken 8 times.*

**prereq:** perm dept.

1 hr 3 cr.

**Music Theory**

**MUSTH 20100 - Introduction to Music Technology**

An introduction to basic music technology skills: music notation software, MIDI sequencing, and digital audio editing.

**prereq or coreq:** prereq: MUSTH 22000 and 23000, or perm dept.

1 hr 1 cr.

*offered spring*

**MUSTH 22000 - Music Theory I**
Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

**MUSTH 22100 - Music Theory II**

Continuation of MUSTH 22000.

_prereq:_ MUSTH 22000

 coreq: MUSTH 23100

_3 hrs 3 cr._

_offered spring_

**MUSTH 23000 - Musicianship I**

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.

_coreq: MUSTH 22000_

_3 hrs 2 cr._

_offered fall_

**MUSTH 23100 - Musicianship II**

Continuation of MUSTH 23000.

_prereq: MUSTH 23000 coreq: MUSTH 22100_

_3 hrs 2 cr._

_offered spring_

**MUSTH 32000 - Music Theory III**

Intermediate-level study of melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

_prereq: MUSTH 20100, MUSTH 22100 coreq: MUSTH 33000_

_3 hrs 3 cr._

_offered fall_

**MUSTH 32100 - Music Theory IV**

Continuation of MUSTH 32000.

_prereq: MUSTH 32000_

_3 hrs 3 cr._

**MUSTH 33000 - Musicianship III**

Sight singing, ear training, and keyboard drill on materials studied in corequisite course. Individual work in the Computer Assisted Instruction facility.

_prereq: MUSTH 23100 coreq: MUSTH 32000_

_3 hrs 2 cr._

_offered fall_

**MUSTH 33100 - Musicianship IV**
Continuation of MUSTH 33000.
prereq: MUSTH 33000
coreq: MUSTH 32100
3 hrs 2 cr.
offered spring

MUSTH 33300 - Composition I

Practical study of music composition; traditional pitch materials; motivic materials; formal schemes. Students will write several short compositions and perform them in class.
prereq: MUSTH 22100 and 23100 or perm dept.
3 hrs 3 cr.

MUSTH 33400 - Composition II

Practical study of music composition. New pitch materials; composing for solo instruments; using contrast to build form. Students will write several short compositions and perform them in class.
May be taken before Composition I.
prereq: MUSTH 22100 and 23100 or perm dept.
3 hrs 3 cr.

MUSTH 33500 - Orchestration

Capabilities and limitations of the orchestral instruments; practice in scoring for small and large groups; instrument demonstrations and reading session.
prereq: MUSTH 22100 and 23100 or perm dept.
3 hrs 3 cr.

MUSTH 35100 - Computer Music

Making music with computers using technologies such as MIDI sequencing, hardware synthesis, and digital audio. Promises and limitations of these tools.
prereq: MUSTH 22100 and 23100 or perm dept.
3 hrs 3 cr.

MUSTH 36100 - Special Topics in Music Theory

Study of selected issues in music theory and analysis. Topics to be announced. May be taken two times.
prereq: variable
3 hrs 3 cr.

MUSTH 37000 - Jazz Techniques and Arranging

Study of jazz harmony and rhythm, jazz composition, and jazz arranging.
prereq: MUSTH 20100, 22100 and 23100 or perm dept.
3 hrs 3 cr.

MUSTH 37100 - Jazz Improvisation
Study and performance of jazz improvisational techniques.

prereq: MUSTH 37000 or perm dept.
3 hrs3 cr

MUSTH 38500 - Private Lessons in Composition

Intensive study of music composition for advanced students. May be taken four times.
prereq: MUSTH 33300, 33400, perm dept.
3 hrs3 cr.

MUSTH 49100 - Honors Project

Upper Jr/Sr only. Individual project of large scope in music history, theory, composition, or performance.
prereq: minimum music GPA of 3.5, perm undergrad adviser
1 sem3 cr.

MUSTH 49200 - Honors Project

prereq: MUSTH 49100
1 sem3 cr.

Music: Individual Study

MUSIN 20101 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.
1 cr.

MUSIN 20102 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.
2 cr.

MUSIN 20103 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.
3 cr.
MUSIN 30101 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.

1 cr.

MUSIN 30102 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.

2 cr.

MUSIN 30103 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.

3 cr.

MUSIN 40101 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.

1 cr.

MUSIN 40102 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.

2 cr. per sem.

MUSIN 40103 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student’s choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.

3 cr.

Nursing
Note: Students who fail a core prerequisite course in a nursing sequence may not proceed to the next course in the sequence without repeating the failed course. In order to continue in the Nursing major, students must receive minimum grades of “C” in all required nursing courses. Only one failed required nursing course is repeatable only once by students who have received a “D” or less. Students who fail a second required nursing course in the sequence may not repeat that course and may not continue in the major. This policy applies even though a grade appeal is in progress.

NURS 20000 - Introduction to Nursing

Introduction to essential theories, concepts, and values of the nursing profession. Emphasis on understanding the practice and principles of nursing. The principles of service-learning are introduced.
prereq: completion of lower-division sequence
3 hrs3 cr.
offered fall

NURS 31000 - Nursing I

Provides essential knowledge base for implementing the nursing process in the care of clients across the lifespan, with specific emphasis on the childbearing family. Principles of service-learning are applied.
prereq: completion of lower-division sequencecoreq: NURS 20000
18 hrs (4 lec, 14 lab)8 cr.
offered fall

NURS 31200 - Nursing II

Provides knowledge base for effective nursing care of clients from childhood through young adulthood. Community engagement learning experiences supporting the principles of service-learning are included.
prereq: NURS 20000, 31000, 33100
18 hrs (4 lec, 14 lab)8 cr.
offered spring

NURS 33100 - Essentials of Pharmacology

Presents essential pharmacological information for nursing care of clients of all ages.
prereq: completion of lower-division sequence
3 hrs3 cr.

NURS 33200 - Normal and Therapeutic Nutrition in the Nursing Process

Presents principles of normal and therapeutic nutrition throughout the developmental life cycle.
prereq: lower division sequence, NURS 20000, 31000
3 hrs3 cr.

NURS 37900 - Nursing and Societal Forces in the Health Care Delivery System

Open to RN Pathway students only. This is the first course in the RN Pathway curriculum and must be taken prior to or in conjunction with other required nursing courses depending on the pre/co requisites of the courses. Exploration of health care dilemmas through the integration of knowledge from nursing, social sciences and public health. Principles of service-learning are introduced.
3 hrs3 cr.
NURS 38000 - Nursing Research and Theory

Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000
prereq: for RN Pathway: NURS 37900, STAT 11300
3 hrs 3 cr.

NURS 38100 - Health Assessment Throughout the Lifespan

Open to RN Pathway students only. Analysis of normal patterns of wellness for individual clients with emphasis on development of assessment skills.
prereq: CHEM 100-101 or prerequisite or coreq: NURS 379
6 hrs (3 lec, 3 lab) 4.5 cr.

NURS 38400 - Nursing Culturally Diverse Families

PD/B
Open to RN Pathway students only. Explores the interrelationships between sociocultural factors and health care practices of families from diverse cultures as a basis for nursing practice. Principles of service-learning are reflected in the culturally competent interventions.
3 hrs 3 cr.

NURS 41000 - Nursing III

Provides a knowledge base for effective nursing care of middle-aged clients. Concepts and principles of service-learning are discussed and integrated into a professional practice paradigm.
prereq: NURS 20000, 31000, 31200, 33100, 33200
18 hrs (4 lec, 14 lab) 8
offered fall

NURS 41200 - Nursing IV

Provides knowledge base for effective nursing care of elderly clients. Principles of service-learning are integrated into selected community experiences to promote civic engagement.
prereq: NURS 41000
18 hrs (4 lec, 14 lab) 8
offered spring

NURS 41900 - Nursing Management and Leadership in the Health Care System

Study of principles of nursing management, leadership, and research processes in health care system.
prereq: NURS 20000, 31000, 31200, 33100, 33200
2 hrs 2
offered spring

NURS 42000 - Nursing Leadership and Management (A2DP)

Open to Accelerated 2nd Degree students only. Study of principles of nursing management, leadership and roles in health care systems.
prereq: NURS 20000, 31000, 31200, 33100, 33200, 34300, 38000
NURS 42100 - Nursing and Society

Analysis of issues and trends in nursing and health care from societal perspective, including opportunities for collaborative practice through service-learning.

_prereq: NURS 20000, 31000, 31200, 33100, 33200, 41000, 41900

2 hrs

offered spring

NURS 48000 - Promotion of Wellness in the Community

Open to RN Pathway students only. Examination of family and community patterns as they relate to individual clients of all ages. Principles of service-learning are used in community-based clinical experiences to promote civic engagement.

_prereq: NURS 37900, 38100, 38400

7.5 hrs (3 lec, 4.5 practicum) 4.5 cr.

NURS 48200 - Advancement of Roles and Relationships in Professional Nursing

Open to RN Pathway students only. Explores the roles and relationships in nursing with a focus on leadership as the key to the professionalism of nursing. Principles of service-learning are reflected in the ongoing development of the professional role. This is the last course in the RN Pathway Program.

_prereq: NURS 37900_prereq or coreq: NURS 38000, 38100, 38400, 48000

3 hrs

Nursing: Electives

NURS 34000 - Women's Health

PDIC

Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.

3 hrs

NURS 34200 - Ethical Issues in Nursing Practice

Open to RN Pathway and senior Generic Pathway students only. Examines ethical issues which arise from the practice of nursing in an interpersonal, professional, institutional and social context of diverse and competing values.

3 hrs

NURS 34300 - Patterns of Biological Disruptions

Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span. Strongly recommended for Generic Pathway seniors.

3 hrs
NURS 34500 - HIV/AIDS: An Interdisciplinary Perspective for Health Care Providers

Examines the impact of the HIV epidemic on the biological, psychological and social dimensions of persons affected by HIV/AIDS.
3 hrs 3 cr.

NURS 34600 - Death and Dying

P/D B
Provides an overview of current theories, concepts, and practices associated with death, dying and end-of-life care.
3 hrs 3 cr.

NURS 35000 - Independent Study in Nursing

An opportunity to explore a topic relevant to nursing which is of individual interest.
1-3 hrs 1-3 cr.

NURS 35100 - Gender, Science and Technology

PD/C
Explores the complex relationship between women and the sciences. 
cross-listed WGS 35100
3 hrs 3 cr.

NURS 39998 - Urban Disaster Response and the Health Care Team

Provides the student with an understanding of the causes, prevention, and mitigation of disasters and insight into the disaster management system nationally and locally. The course will include content relevant to all disciplines in the disaster care continuum and focus on each individual health care member's role and responsibilities within these systems.
3 hrs 3 cr.

NURS 44000 - Stress Management for Nurses

An overview of stress and its effect upon behavior within the framework of the holistic man-wellness model.
3 hrs 3 cr.

NURS 44100 - Selected Studies in Nursing Research

Honors course. Utilization of basic knowledge in nursing research to critique and interpret studies and discuss their relevance and application in nursing. 
prereq: NURS 31000, 31200, 33100, 33200, 38000, 38100
3 hrs 3 cr.

NURS 44200 - Nursing Care of Acute and Critically Ill Clients

Examination of nursing knowledge and roles in caring for acute and critically ill clients and their families.
3 hrs 3 cr.
**NURS 44500 - Teaching-Learning Across the Developmental and Health Continua**

Pedagogical/andrological principles of learning and instruction to enhance client teaching in the promotion, maintenance and/or restoration of health.

3 hrs 3 cr.

**NURS 45000 - Computer Concepts and Application in Nursing**

Study of computing concepts, principles, practices, and applications in nursing and health care.

3 hrs 3 cr.

**NURS 48300 - Politics of Health**

An analysis of the relationships between politics and health status, health services and health care providers.

3 hrs 3 cr.

**Nutrition and Food Sciences**

**NFS 13100 - Food Science I**

Basic principles of the chemical and physical nature of foods, food sanitation and safety; the nutritional value of food in relation to storage, processing and preparation.

Open to all students.

3 hrs 3 cr.

**NFS 14100 - Nutrition**

Fundamentals of the science of nutrition as they apply to individuals and society.

Open to all students.

3 hrs 3 cr.

**NFS 33200 - Cultural Aspects of Food and Nutrition**

Study of the way in which cultural, social and technological factors influence food behavior and dietary patterns.

Open to NFS majors only and need department permission.

Prereq: NFS 13100, 14100, ANTHP 10100, SOC 101)

3 hrs 3 cr.

**NFS 33300 - Nutrition Education**

Introduction to the theories and principles of the teaching-learning process in the field of nutrition.

Open to NFS majors only and need department permission.

Prereq: NFS 13100, 14100

3 hrs 3 cr.

**NFS 33500 - Institutional Management**
Overview of the theories, functions and tasks of management. Discussion of labor and effective methods for directing an operation with applications drawn from food service.  
Open to NFS majors only and need department permission.  
prereq: NFS 13100, 14100, ECO 10000  
3 hrs3 cr.

NFS 34200 - Nutrition and Human Development

Nutritional needs throughout the life cycle: pregnancy, infancy, childhood, adolescence, adulthood and later years.  
Open to NFS majors only and need department permission.  
prereq: NFS 34100  
3 hrs3 cr.

NFS 36100 - Food and the Consumer

Food issues; food services available to the consumer; responsibilities of the private and public sectors.  
Open to NFS majors only and need department permission.  
prereq: NFS 13100, 14100, 33100, ECO 10000  
3 hrs3 cr.

NFS 40100 - Techniques of Communication in Nutrition

Theory/practice of communications skills for nutritionists/food scientists. Includes food demonstrations, public relations, and advertising.  
Open to NFS majors only and need department permission.  
prereq: NFS 33300  
3 hrs3 cr.

NFS 40200 - Seminar in Nutrition and Food Science

Research in nutrition and food science; examination of professional goals.  
Open to NFS majors only and need department permission.  
prereq: NFS 34300  
3 hrs3 cr.

NFS 43100 - Experimental Foods

Scientific approach to food testing; use of instruments and techniques in food and nutrition laboratories.  
Open to NFS majors only and need department permission.  
prereq: NFS 33100, 34100  
5 hrs (2 lec, 3 lab)3 cr.

NFS 43400 - Nutrition and the Elderly

Psychological, psychosocial, and economic problems of the elderly; how needs are met by government and private agencies. Application of nutrition to these problems.  
Open to NFS majors only and need department permission.  
prereq or coreq: NFS 34200, PSYCH 10000, SOC 10100  
3 hrs3 cr.
NFS 43500 - Food Service Systems

The organization and administration of a food service operation from the systems approach on the tactical and strategic level, stressing learning activities and competencies required by the American Dietetic Association.

Open to NFS majors only and need department permission.
prereq: NFS 33500
3 hrs 3 cr.

NFS 44100 - Community Nutrition

Analysis of nutrition services, legislation and policy; role and function of community nutritionists; nutrition education in a community setting.

Open to NFS majors only and need department permission.
prereq: NFS 33300, 34200
3 hrs 3 cr.

NFS 44351 - Practicum in Nutrition and Food Science

Practicum in institutions, agencies, business and research firms; projects.

Open to NFS majors only and need department permission.
prereq: NFS 44200
7 hrs (1 lec, 6 lab) 3 cr.

NFS 44352 - Practicum in Nutrition and Food Science

Practicum in institutions, agencies, business and research firms; projects.

Open to NFS majors only and need department permission.
prereq: NFS 44200
7 hrs (1 lec, 6 lab) 3 cr.

NFS 44354 - Practicum in Nutrition and Food Science

Practicum in institutions, agencies, business and research firms; projects.

Open to NFS majors only and need department permission.
prereq: NFS 44200
7 hrs (1 lec, 6 lab) 3 cr.

NFS 44355 - Practicum in Nutrition and Food Science

Practicum in institutions, agencies, business and research firms; projects.

Open to NFS majors only and need department permission.
prereq: NFS 44200
7 hrs (1 lec, 6 lab) 3 cr.

NFS 44356 - Practicum in Nutrition and Food Science

Practicum in institutions, agencies, business and research firms; projects.

Open to NFS majors only and need department permission.
prereq: NFS 44200
7 hrs (1 lec, 6 lab) 3 cr.
NFS 48031 - Independent Study in Nutrition and Food Science

Open to NFS majors only and need department permission.
prereq: NFS 44200, perm dept. chair
hrs TBA1 – 3 cr.
Respectively may be taken 1 or 2 sem.

NFS 48032 - Independent Study in Nutrition and Food Science

Open to NFS majors only and need department permission.
prereq: NFS 44200, perm dept. chair
hrs TBA1 – 3 cr.
Respectively may be taken 1 or 2 sem.

NFS 49000 - Honors in Nutrition and Food Science

Supervised independent research project. A written report or suitable presentation is required. Proposal must be presented the semester before work is done.
prereq: NFS 44200, perm NFS coordinator
hrs TBA3 cr.

Philosophy: Introductory Courses

PHILO 10100 - Introduction to Philosophy

GER 2/C
Examination of basic philosophical questions through study of selected philosophical classics.
3 hrs 3 cr.
offered each semester

PHILO 10300 - Introduction to Logic and Critical Thinking

GER 2/C
Recognizing arguments; traditional logic including concepts, propositions, categorical, hypothetical and disjunctive syllogisms; argument structure, natural language argumentation, fallacies.
3 hrs 3 cr.
offered each semester

PHILO 10400 - Introduction to Ethics

GER 2/C
Examination of standards of right conduct and the good life through study of selected philosophical classics.
3 hrs 3 cr.
offered each semester

PHILO 10600 - Philosophy, Politics and Society
GER 2/C PD/D
Introduction to social and political philosophy.
3 hrs 3 cr.
offered each semester

PHILO 20300 - Great Philosophers: Ancient and Medieval

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the dawn of philosophy in ancient Greece to the time of the Renaissance.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 20400 - Great Philosophers: Modern and Contemporary

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the rise of modern philosophy in the 17th century to the present.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

SOC 10100 - Introduction to Sociology

GER 2/B
Development of sociological imagination through introduction and application of basic concepts incorporating global and comparative perspectives.
3 hrs 3 cr.

Philosophy Courses: Ethics, Politics and Aesthetics

PHILO 24400 - Moral Philosophy (W)

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 24600 - Political Philosophy (W)

GER 3/B
Study of selected philosophical problems in politics, law, economics and society.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace,
imperialism, national identity and development.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs 3 cr.

**PHILO 25000 - Problems of Ethics and Society (W)**

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs 3 cr.

**PHILO 25200 - Problems of Law and Morality**

GER 3/B
Philosophy of law and the relation of legal to ethical issues.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs 3 cr.

**PHILO 25400 - Ethical Issues in Biology and Medical Care (W)**

GER 3/B
Treats issues such as abortion, euthanasia, extraordinary means, confidentiality, human experimentation, genetic control and allocation of limited life-saving therapy.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs 3 cr.

**PHILO 25600 - Philosophical Ideas in Literature (W)**

GER 3/A
Analysis of major philosophical themes in some classics of world literature.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs 3 cr.

**PHILO 25800 - Aesthetics (W)**

GER 3/A
Study of philosophical issues that arise in our understanding and criticism of the arts. Topics include nature of expression, purpose and standards of criticism and aesthetic value.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs 3 cr.

**PHILO 34400 - Ethics in Contemporary Life (W)**

GER 3/A
A study of concepts of ethics developed in the 20th century and their relevance to problems of contemporary life, such as personal development, social responsibility, and cultural difference.

3 hrs 3 cr
PHILO 34600 - Justice in Contemporary Society (W)

GER 3/B
A study of concepts of justice developed in the 20th century and their relevance to problems of contemporary society, such as social welfare, property rights and democratic government.

3 hrs3 cr

Philosophy Courses: History of Philosophy

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21400 - Medieval Philosophy (W)

GER 3/A PD/D
Study of major writings by medieval Arabic, Christian and Jewish philosophers such as Averroes, Aquinas and Maimonides.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21600 - Women Philosophers of the Past

GER 3/A PD/C
Study of the writings and ideas of selected women philosophers who lived before the contemporary feminist movement.

cross-listed WGS 21600

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21800 - Revolutions in Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21900 - Asian Philosophies

GER 3/A PD/A
Readings from classics of Indian, Chinese and Japanese philosophy drawn from traditions of Buddhism, Hinduism, Taoism and Confucianism.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22000 - Radical Philosophy (W)

GER 3/A PD/D
Study of 20th-century philosophers who were critical of industrial capitalist society, such as Lukc's and Marcuse, along with their historical precursors, including Rousseau and Marx.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22300 - Neoplatonism (W)

GER 3/A PD/D
A study of the main thinkers and ideas in ancient and medieval Neoplatonism, emphasizing Plotinus and Augustine.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22500 - American Philosophy (W)

GER 3/A PD/D
Historical survey of major American philosophers such as Edwards, Emerson, Thoreau, Peirce, James, Royce, Santayana and Dewey.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22600 - African-American Philosophy (W)

GER 3/A PD/B
Development of the African-American intellectual tradition. Study of the work of such figures as Equiano, Douglass, Cooper, Blyden, Du Bois and Hurston.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22800 - Existentialism (W)

GER 3/A PD/D
Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.
PHILO 23000 - Feminism: Philosophical Theory and Practice (W)

GER 3/A PD/C
Analyses of feminist theories and their practical implications.
*cross-listed* WGS 23000 (W)
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

PHILO 32000 - Twentieth-Century Philosophy (W)

GER 3/A
Survey of such movements as pragmatism, process philosophy, analytic philosophy, existentialism, phenomenology, feminism and post modernism through consideration of such representative figures as Dewey, Moore, Whitehead, Russell, Husserl, Heidegger, Wittgenstein, Ayer, Sartre, De Beauvoir, Quine, Rorty and Rawls.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.*
3 hrs 3 cr.

PHILO 32200 - Modern Philosophical Idealism

GER 3/A
Study of major works of Fichte, Schelling, Hegel, Bradley, Royce and their critics.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.*
3 hrs 3 cr.

Philosophy Courses: Logic

PHILO 17100 - Introduction to Symbolic Logic

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.
3 hrs 3 cr.

PHILO 27500 - Intermediate Symbolic Logic

GER 3/B
Sentential derivations, interpretations, symbolizations involving operator symbols, identity, definite descriptions, predicate derivations through logic of identity and definite descriptions.
*cross-listed* MATH 27500
*prereq: PHIL 17100*
3 hrs 3 cr.

PHILO 27900 - Inductive Logic

GER 3/B
Deductive vs. inductive logic, basic forms of inductive inference, Mill's methods and controlled experiments, the probability calculus, interpretations of probability, the problem of induction, confirmation and disconfirmation of hypotheses.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 37500 - Advanced Symbolic Logic

GER 3/B
A survey of the central results and techniques of meta-logic, principally mathematical induction, the soundness and completeness of theorems for first-order logic, the Skolem theorem and Church's theorem on undecidability.
prereq: PHIL 27500 or equiv.
3 hrs3 cr.

Philosophy Courses: Major Philosophers

PHILO 38000 - Plato (W)

GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs4 cr

PHILO 38100 - Aristotle (W)

GER 3/A
Close study of Aristotle's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38200 - Major Figure in Medieval Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the Middle Ages such as Augustine, Averroes, Maimonides, or Aquinas. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38250 - Major Figure in Medieval Philosophy: Augustine (W)

GER 3/A
A study of the works and legacy of Augustine.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr

PHILO 38254 - Major Figure in Medieval Philosophy: Averroes (W)

GER 3/A
A study of the works and legacy of Averroes.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr
PHILO 38254 - Major Figure in Medieval Philosophy: Maimonides (W)

GER 3/A
A study of the works and legacy of Maimonides.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38256 - Major Figure in Medieval Philosophy: Aquinas (W)

GER 3/A
A study of the works and legacy of Aquinas.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38350 - Major Figure in Early Modern Philosophy: Descartes (W)

GER 3/A
A study of the works and legacy of Descartes.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38351 - Major Figure in Early Modern Philosophy: Spinoza (W)

GER 3/A
A study of the works and legacy of Spinoza.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38352 - Major Figure in Early Modern Philosophy: Leibniz (W)

GER 3/A
A study of the works and legacy of Leibniz.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38353 - Major Figure in Early Modern Philosophy: Hobbes (W)

GER 3/A
A study of the works and legacy of Hobbes.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr
PHILO 38354 - Major Figure in Early Modern Philosophy: Locke (W)

GER 3/A
A study of the works and legacy of Locke.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38355 - Major Figure in Early Modern Philosophy: Berkeley (W)

GER 3/A
A study of the works and legacy of Berkeley.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38356 - Major Figure in Early Modern Philosophy: Hume (W)

GER 3/A
A study of the works and legacy of Hume.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38357 - Major Figure in Early Midern Philosophy: Rousseau (W)

GER 3/A
A study of the works and legacy of Rousseau.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38400 - Kant (W)

GER 3/A
A study of some of Kant's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38500 - Plotinus (W)

GER 3/A
A study of the background, writings and legacy of Plotinus.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38600 - Hegel (W)

GER 3/A
Study of some of Hegel's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr
PHILO 38700 - Nietzsche (W)

GER 3/A
Study of Nietzsche's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38800 - Wittgenstein (W)

GER 3/A
Development of Wittgenstein's thought through intensive study of his major works.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38900 - Heidegger (W)

GER 3/A
Detailed study of the central themes in Being and Time and their development in his later essays.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 39000 - Marx (W)

GER 3/A
Study of some of Marx's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

Philosophy Courses: Metaphysics and Epistemology

PHILO 20100 - Knowledge and Reality (W)

GER 3/A PD/D
Study of main problems of theory of knowledge and metaphysics such as personal identity, grounds of justified belief, existence of God, nature of free will and causality.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 26200 - Philosophy of Religion (W)

GER 3/A
Philosophical examination of some religious questions and beliefs.
prereq: one course in philosophy or religion (see statement under Program Prerequisites)
3 hrs 3 cr.

PHILO 26800 - Philosophical Psychology (W)
GER 3/B
Views of human nature underlying some major contemporary schools of psychology, such as Freudian psychoanalysis, behaviorism, existential psychoanalysis, Piaget's developmental psychology.
_prereq: ENGL 12000 and one previous course in philosophy._
3 hrs3 cr.

PHILO 27000W - Philosophy, Science and Culture

GER 3/B
Issues relating to the impact of modern science on philosophy, religion and culture.
_prereq: ENGL 12000 and one previous course in philosophy._
3 hrs3 cr.

PHILO 36000 - Metaphysics (W)

GER 3/A
Study of major metaphysical views, such as materialism, idealism, nominalism and realism. The major question is: What is reality and how may it be known?
_prereq: Two courses in philosophy, at least one of which is at the 200 level._
3 hrs3 cr.

PHILO 36200 - Theory of Knowledge (W)

GER 3/A
Study of origin, structure, methods and foundations of human knowledge.
_prereq: Two courses in philosophy, at least one of which is at the 200 level._
3 hrs3 cr.

PHILO 36400 - Philosophy of Language (W)

GER 3/A
Inquiry into the philosophical significance of language, its structure, meaning, reference and use.
_prereq: Two courses in philosophy, at least one of which is at the 200 level._
3 hrs3 cr.

PHILO 36600 - Philosophy of Mind (W)

GER 3/A
Examination of the concept of mind and the person. Topics include thinking, intention, consciousness, supervenience, emotion, self-knowledge.
_prereq: Two courses in philosophy, at least one of which is at the 200 level._
3 hrs3 cr.

PHILO 37600 - Philosophy of Mathematics (W)

GER 3/B
Study of such issues as the nature of demonstration or proof and the nature of mathematical knowledge and mathematical objects such as numbers and sets. cross-listed with MATH 376.
_prereq: ENGL 12000; one PHIL course and one PHIL or MATH course (precalculus or beyond)_
3 hrs3 cr.
PHILO 37900 - Philosophy of Science (W)

GER 3/B
Study of foundations of knowledge in natural and social sciences.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

Philosophy: Special Courses

PHILO 20000 - Topics in Philosophy

GER 3/A
Topics discussed vary from semester to semester.
prereq: variable (see Program Prerequisites)
3 hrs 3 cr.

PHILO 39300 - Philosophical Systems

GER 3/A
Study of writings of one or two major philosophers.
prereq: variable (see Program Prerequisites)
3 hrs 3 cr.

PHILO 39400 - Philosophical Problems

GER 3/A
Study of one or more major philosophical problems.
prereq: variable (see Program Prerequisites)
3 hrs 3 cr.

PHILO 49200 - Independent Study in Philosophy

Independent study of philosophical works under faculty supervision.
prereq: one PHILO course at 300-level, perm instr. (see Program Prerequisites)
1-6 cr.

PHILO 49400 - Honors Tutorial in Philosophy

Open to Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision. Successful completion is one requirement for departmental honors at graduation.
prereq: 3.0 cum GPA and 3.50 major GPA; philosophy majors only, minor with perm instr; two 300-level PHIL courses, one of which may be taken concurrently; perm dept.
3 or 6 cr.

PHILO 49800 - Internship
Open to Jr/Sr only. Philosophically relevant internship.

 prerequisites: philosophy major, minor with perm dept adviser; 2.5 cum GPA and 3.0 major GPA (see Program Prerequisites)
1-6 cr.

**Physics**

**PHYS 10100 - Study of Selected Phenomena and Basic Concepts of Physics**

GER 2/E
Introductory one-semester physics course designed for non-science majors and others requiring a one-semester terminal course.
6 hrs (3 lec, 3 lab)4 cr.

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra.

 prerequisites: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

**PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

 prerequisites or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

**PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.

 prerequisites: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

**PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.

 prerequisites: PHYS 11000 or 11100
 prerequisites or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.
PHYS 19000 - Tutorial in Mathematical Physics

Applications of differential and integral calculus to selected topics chosen from the major subfields of physics. Completion of this course and its prerequisites is equivalent to completion of the calculus-based general physics sequence, PHYS 11100 and 12100.

prereq: MATH 15500, PHYS 12000
3 hrs (2 lec, 1 rec) 2 cr.

PHYS 20400 - Electrical Circuits and Laboratory

GER 3/B
Passive electrical circuits and computer-based data acquisition and analysis, including basic circuit laws, methods of circuit analysis, circuit theorems, operational amplifiers, capacitors and inductors, sinusoids and phasors, sinusoidal steady state analysis, frequency response, and test and measurement instruments, virtual instruments, and data acquisition software.

prereq: PHYS 12100 or coreq: MATH 25400
5 hrs (3 lec, 2 lab) 4 cr.

PHYS 22100 - Electronics

GER 3/B

prereq: PHYS 12000 or PHYS 12100
4 hrs 4 cr.

PHYS 22200 - Electronics Laboratory

GER 3/B
Experiments are performed with passive devices (capacitors, inductors, resistors) and active devices (diodes, transistors). A variety of transistor amplifier and oscillator circuits are studied as well as integrated circuit applications.

prereq: PHYS 22100
4 hrs 2 cr.

PHYS 22400 - Analog and Digital Electronics and Laboratory

GER 3/B
Semiconductor devices and circuits, including properties of semiconductors, diodes, transistors, amplifiers, oscillators, and digital circuits.

prereq: PHYS 20400
5 hrs (3 lec, 2 lab) 4 cr.

PHYS 23000 - Classical Physics Laboratory

GER 3/B
Selected experiments of mechanics, electricity/magnetism, and thermodynamics. Experiments may include driven oscillator resonance, coupled oscillators, liquid nitrogen heat of vaporization, Fourier analysis/filtering, ferromagnetic hysteresis, and the nonlinear pendulum period. Elementary error analysis techniques and computer software for data analysis/graphing.

prereq: PHYS 12000 or 12100
4 hrs 2 cr.
PHYS 23100 - Fundamentals of Laser and Fiber Optics

GER 3/B
Topics in optics related to lasers and optical fiber and devices for modulating and directing signals from such devices. Geometrical optics with emphasis on ray tracing. Matrix methods in optics. Lenses thick and thin, mirrors, prisms and other passive optical elements and systems. Propagation of light in materials. Dispersion and its effects. Special topics in geometric and wave optics. Laboratory complements classwork.
_prereq: PHYS 12000 or 12100 or equiv; MATH 12500
5 hrs 4 cr.

PHYS 23200 - Laser and Electro-Optics Technology

GER 3/B
Wave optics, interference, coherence, polarization, birefrigence, diffraction, gratings in two and three dimensions, power and energy measurements, basics of laser safety, ultra-fast pulse technology measurements, basics of laser safety, ultra-fast pulse technologies, electro-optics and acoustooptics switches, optical materials, non-linear optics. Laboratory complements classwork.
_prereq: PHYS 23100
7 hrs 5 cr.

PHYS 23300 - Laser Electro-Optics Devices, Measurements and Applications

GER 3/B
Laser as a device, principle of operation, cavity modes and their control (tuning elements, Q switching, mode-locking) and detection, laser design, types of lasers, includes discussion of laser types for medical, ranging and tracking, material processing, pollution monitoring, and optical memory applications, semiconductor laser. Laboratory complements class work.
_prereq: PHYS 23100
6 hrs 4 cr.

PHYS 23400 - Fiber Optics Devices, Measurements, and Applications

GER 3/B
_prereq: PHYS 23100
6 hrs 4 cr.

PHYS 23500 - Modern Physics Laboratory

GER 3/B
Selected experiments of quantum physics and optics. Experiments may include nuclear half-life, microwave diffraction, Bragg scattering of x-rays, nuclear multichannel scintillation, Franck-Hertz quantum levels, Millikan oil drop. Error analysis techniques including Gauss and Poisson distributions and correlation of data. Programming for data analysis.
_prereq: PHYS 12000 or 12100
4 hrs 2 cr.

PHYS 30100 - Theoretical Physics
Analysis of mathematical techniques for solving partial differential equations occurring in physics. Cross-listed as MATH 301.
prereq: MATH 25400
4 hrs 4 cr.

PHYS 31100 - Introduction to Fluid Mechanics

This course covers the basic principles of fluid mechanics include statics, forces on plane and curve surfaces, kinematics of fluid motion, integral and differential representation of conservation of mass, linear momentum, the first Law of Thermodynamics, Bernoulli’s equation, dimensional analysis, and elementary viscous flow. Frictional losses in laminar flow and simple pipe flow analysis are covered. Understanding of the physical phenomena is stressed and vector notation is introduced and used whenever suitable.
cross-listed GEOG 31100
prereq: PHYS 12100 or PHYS 12000 and MATH 15500
3 hrs 3 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 33400 - Intermediate Electricity and Magnetism

Electrostatics, currents, magnetism, and introduction to electromagnetic theory of light.
prereq: PHYS 12000 or 12100prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 33500 - Intermediate Mechanics

Study of laws of motion and coordinate systems; introduction to powerful analytical techniques.
prereq: PHYS 12000 or 12100prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 33600 - Thermodynamics and Statistical Mechanics

Study of fundamental ideas of heat, reversibility, and entropy. Introduction to statistical nature of some physical laws.
prereq: PHYS 12000 or 12100; MATH 25000
4 hrs 4 cr.

PHYS 34200 - Optics

Study of lenses, mirrors, interference, diffraction, and polarization, as well as lasers, holography, and Fourier optics.
prereq: PHYS 12000 or 12100; MATH 25000
3 hrs 3 cr.

PHYS 38500 - Numerical Methods I
Accuracy and precision, convergence, iterative and direct methods. Topics selected from: solution of polynomial equations and linear systems of equations, curve fitting and function approximation, interpolation, differentiation and integration, differential equations. Cross-listed as MATH 38500 and CSCI 38500 so that students in the mathematics and computer science departments can use the course toward the completion of their major requirements.

**PHYS 39900 - Senior Thesis (W)**

This course is to prepare the students for graduate research. Each student will undertake a research experience, experimental, theoretical, and/or computational, under the supervision of a department faculty member. A final oral as well as written report will be required. The goals are that the student learns research skills in physics, written and oral communication skills, while furthering their knowledge in a topical area in physics.

prereq: PHYS 11100, 12100
prereq or coreq: ENGL 12000, and at least four 200-, 300-, or 400-level physics courses
3 cr.

**PHYS 41100 - Theoretical Mechanics**

Classical mechanics of particles and rigid bodies; special relativity; Hamilton's formulation; Liouville's theorem.

prereq: PHYS 33500
prereq or coreq: MATH 25400
3 hrs3 cr.

**PHYS 41500 - Electromagnetic Theory**

Electrostatics; vector analysis, electrostatics, electric fields in matter, magnetostatics, magnetic fields in matter, electrodynamics based on Maxwell equations, and conservation laws.

prereq: PHYS 33400 or PHYS 12100 with permission
prereq or coreq: MATH 25400
3 hrs3 cr.

**PHYS 41600 - Electromagnetic Theory II**

Electromagnetic waves, guided waves, potential and fields, radiation, electrodynamics and relativity.

prereq: PHYS 41500
3 hrs3 cr.

**PHYS 42000 - Introduction to Biophysics**

A comprehensive introduction to the interface between physics and biology and the application of the techniques of physics to understanding biological systems, focusing on developing an understanding of the thermodynamics of living systems, on the physical kinematics of macromolecules and other biological structures and on the theory of physical techniques that are used in the study of biological systems.

prereq or coreq: PHYS 33000, PHYS 33600, BIOL 30000, CHEM 37600.
4 hrs4 cr.

**PHYS 42400 - Plasma Physics**

Motion of charged particles in external magnetic and electrical field; fusion using tokamaks, mirrors, and lasers.

prereq: PHYS 33400
3 hrs3 cr.
PHYS 42500 - Quantum Theory

From Bohr model and DeBroglie waves to Schrodinger wave equation; solutions for simple cases; transformations.
prereq: PHYS 33000, prereq or coreq: MATH 25400
3 hrs3 cr.

PHYS 42700 - Intermediate Physics Laboratory

Study of modern experimental techniques in variety of fields.
prereq: PHYS 23500
4 hrs2 cr.

PHYS 42800 - Photonics and Laboratory

Theoretical principles and practical training of selected subjects of modern optics and lasers.
prereq: PHYS 33000, PHYS 22200 or 22400, coreq: PHYS 41600 or PHYS 33400
4 hrs2 cr.

PHYS 44500 - Solid State Physics

Energy levels in atoms, molecules, and solids; crystal structure; properties of solids; semiconducting devices.
prereq: PHYS 33000
3 hrs3 cr.

PHYS 45300 - Introduction to Research

Independent theoretical or experimental research or independent study of approved topic.
prereq: PHYS 33000, 33400, 33500, and 42700 or perm chair
1-3 cr.

PHYS 45400 - Introduction to Research

Independent theoretical or experimental research or independent study of approved topic.
prereq: PHYS 45300 or perm chair
1 to 3 cr.

PHYS 48500 - Numerical Methods II

Topics in numerical methods selected from solutions of linear equations, interpolating functions, root finding methods, nonlinear equations, Fourier series and the fast Fourier transform, partial differential equations. A major term project will be assigned. Cross-listed as MATH 48500 and CSCI 48500 so that students in the mathematics and computer science departments can use the course toward the completion of their major requirements.
cross-listed CSCI 48500 and MATH 48500
prereq: PHYS 38500
3 hrs3 cr.

Physics: Courses Less Frequently Offered
PHYS 24000 - Physics of Biological Systems  
GER 3/B  

PHYS 24500 - Computer Applications in Physical Sciences  
GER 3/B  

PHYS 28000 - Astrophysics  
GER 3/B  

PHYS 36000 - Atomic and Nuclear Physics for Engineers  

PHYS 36400 - Electricity and Magnetism for Engineers  

PHYS 36500 - Analytical Mechanics  

PHYS 40300 - Topics in Modern Physics  

Political Science: Introductory Courses  

The introductory courses acquaint the student with a particular segment of political science: American Government and Politics; Political Theory; Comparative Politics; and International Politics. Each will fulfill three credits of the Broad Exposure/Stage 2, Group B requirement in the social sciences. (POLSC 11000 can be used to fulfill GER 1/C or 2/B), although only one of these courses may be used for that purpose. Only two introductory courses can be applied toward the major. Students who have taken POLSC 11100 may not receive credit for POLSC 11000.  

POLSC 10000 - Introduction to Politics: Democracy, Anarchy and the State (W)  
GER 2/B  
Introduction to some of the major questions, approaches, and texts of political science. Students will explore questions of power, coercion, virtue, democracy, conflict, and cooperation and read Plato, Aristotle, Weber, Lipset, Waltz, and Jervis, among others. Does not satisfy the major’s four subfield distribution requirement.  

prereq or coreq: ENGL 12000 or its equivalent  
3 hrs3 cr.  

POLSC 11000 - American Government: A Historical Introduction (W)  
GER 1/C or 2/B  
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.  

prereq or coreq: ENGL 12000 or its equivalent  
3 hrs3 cr.  

POLSC 11200 - Introduction to Political Theory (W)
GER 2/B
Selected writings of the great political thinkers. Recurrent problems of politics from Plato to the present.
prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

Political Science: 200 Level Core Courses

These core courses are foundational courses for their respective fields and the International Relations course is a prerequisite for many 300-level courses in international relations.

POLSC 20000 - Interpreting Politics: An Introduction to Political Ideas (W)

GER 2/B or 3/B
An introduction to interpreting major political ideas and their significance in the contemporary world. Competing understandings of concepts such as freedom, equality, justice, citizenship, and legitimacy will be explored, in part by applying them to concrete political issues such as multiculturalism, economic distribution, and the death penalty.

prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 25000 - Comparing Countries (W)

GER 3/B
Examination of the core concepts, theories, and issues in the field of comparative relations. Topics include: Comparative analysis of democracies and democratization, revolution, and ethnicity and ethnic conflict.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 27000 - International Relations: Conceptual Foundations and Current Issues (W)

GER 3/B
Examines the conceptual foundations of international relations and their application to current issues. Topics include: anarchy, power, war and peace, international cooperation, the role of the state and non-state actors, international institutions, norms and human rights, and the global economy.

Students may not take both POLSC 11500 and POLSC 27000 at Hunter College for credit. (Transfer students may receive only 100-level credit for a course equivalent for POLSC 11500 after spring 2010, when POLSC 27000 becomes the prerequisite for most advanced courses in international relations.)

prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

Political Science: American Government and Politics

POLSC 11000 - American Government: A Historical Introduction (W)
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

**prereq or coreq:** ENGL 12000 or its equivalent

3 hrs 3 cr.

**POLSC 21100 - State Government and Politics (W)**

GER 3/B

Comparative analysis of state governments. Power and role of governors, state legislatures, parties, lobbies.

**prereq:** ENGL 12000 or its equivalent

3 hrs 3 cr.

**POLSC 21200 - Urban Politics (W)**

GER 3/B

Politics in New York City and other urban areas. Decentralization, suburbanization, race, ethnicity, reform.

**prereq:** ENGL 12000 or its equivalent

3 hrs 3 cr.

**POLSC 21300 - Political Parties and Elections (W)**

GER 3/B

Organization, campaigns, nominations, voting behavior, issues, finances, reforms.

**prereq:** ENGL 12000 or its equivalent

3 hrs 3 cr.

**POLSC 21500 - Public Opinion and Political Participation (W)**

GER 3/B

What American people think about politics and how they express it, from polls to elections to demonstrations.

**prereq:** ENGL 12000 or its equivalent

3 hrs 3 cr.

**POLSC 21700 - Contemporary Issues in American Politics**

GER 3/B

Selected topics in American politics and government.

**prereq:** ENGL 12000 or its equivalent

3 hrs 3 cr.

**POLSC 21800 - Women and Politics (W)**

GER 3/B PD/C

Constitutional and legal position of women, ERA, affirmative action, marriage, divorce, property, feminist causes.

**cross-listed WGS 21800 (W)**

**prereq:** ENGL 12000 or its equivalent

3 hrs 3 cr.
**POLSC 21900 - Women and the Law (W)**

GER 3/B PD/C  
Overview of how local, state and federal laws treat people on the basis of sex.  
*cross-listed* WGS 21900  
*prereq: ENGL 12000 or its equivalent*  
3 hrs  

**POLSC 22100 - U.S. Immigration Policy (W)**

GER 3/B PD/B & C  
The course focuses on the political development of federal immigration policy, and on historical and contemporary issues in policy design and implementation. The course also surveys recent findings and debates arising from empirical analyses of immigration policy.  
*prereq: ENGL 12000 or its equivalent and POLSC 11000/11100 or HIST 15100/15200*  
3 hrs  

**POLSC 22600 - Interest Group Politics (W)**

GER 3/B  
Analysis of the organization and role of interest groups in American politics. The course stresses the importance of organizational resources and the ability of interest groups to be “faithful advocates” of member interests in exercising influence in elections and policy-making.  
*Not open to students who completed POLSC 21400*  
3 hrs  

**POLSC 22700 - Political Parties (W)**

GER 3/B  
Theories, historical analysis, and contemporary views of the central institution that links citizens and office holders in the United States, with a focus on the role of parties as vehicles for expressing and pursuing policy goals.  
*Not open to students who completed POLSC 21400*  
*prereq: ENGL 12000 or its equivalent*  
3 hrs  

**POLSC 23000 - The American Presidency (W)**

GER 3/B  
Selection, election, role, functions and powers of the president.  
*prereq: ENGL 12000 or its equivalent*  
3 hrs  

**POLSC 23500 - The American Congress (W)**

GER 3/B  
*prereq: ENGL 12000 or its equivalent*  
3 hrs
POLSC 23800 - The American Legal System (W)

GER 3/B
Civil and criminal law, common law and equity, substantive and procedural law. Emphasis on federal and New York law.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 24000 - The American Judiciary (W)

GER 3/B
The Supreme Court and other federal courts as part of policy-making process in American government.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 24400 - Energy and Environmental Politics and Public Policy (W)

GER 3/B
Examination of political processes and public policies shaping energy production and consumption in the U.S. with comparative reference to other countries. Emphasis on political, economic, social, environmental and foreign policy aspects.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 27400 - American Foreign Policy (W)

GER 3/B
Personalities and processes in making, administering and controlling our foreign policy.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 30100 - American Political Thought (W)

GER 3/B
Examination of ideas that have shaped American politics from the Revolution to the present, including Federalists and Anti-Federalists, Progressivism and responses to industrialization and recent debates over the welfare state, political inclusion and democracy.
prereq: ENGL 12000 or its equivalent; one course in political theory or perm. instr.
3 hrs 3 cr.

POLSC 31700 - Contemporary Issues in American Politics

GER 3/B
Selected topics in American politics and government.
cross-listed WGS 39800 is cross-listed with POLSC 31707 Community Leadership Seminar
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 32000 - Ethnic Politics (W)
GER 3/B PD/B
Ethnicity in local and national politics. Major groups, how they affect government, what government does for them.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 32100 - American Political Economy (W)

GER 3/B
Critical analysis of the distribution of power between the state and the private sector. Theories about the government-business relationship are tested through a series of case studies.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 33000 - American Political Development (W)

GER 3/B
Analysis of the historical development of American politics, including: the impact of the Constitution, ideas, and political culture; state building/unbuilding in different historical eras; and the evolution of citizenship and political participation.

prereq: ENGL 12000 or its equivalent, POLSC 11000 or perm. inst
4 hrs 4 cr.

POLSC 34000 - Constitutional Law: Organizing the Government (W)

GER 3/B
Constitutional problems and Supreme Court decisions. Federalism, judicial review, separation of powers, foreign policy.
prereq: POLSC 11000 or 11100 or 23800
3 hrs 3 cr.

POLSC 34100 - Constitutional Law: Civil Rights (W)

GER 3/B
Constitutional problems and Supreme Court decisions regarding race and sex discrimination.
prereq: POLSC 11000 or 11100 or 23800
3 hrs 3 cr.

POLSC 34200 - Constitutional Law: The First Amendment (W)

GER 3/B
Constitutional problems and Supreme Court decisions regarding freedom of speech, press (media), religion and assembly.
prereq: POLSC 11000 or 11100 or 23800
3 hrs 3 cr.

POLSC 34300 - Criminal Law (W)

GER 3/B
Constitutional problems and judicial decisions regarding search and seizure, right to counsel, self incrimination.
prereq: POLSC 11000 or 11100 or 23800
3 hrs3 cr.

POLSC 34800 - Public Administration and Public Policy (W)

GER 3/B
Analysis of problems in policy-making and administration, focusing on motivations, ethics, authority.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

Political Science: Comparative Politics

POLSC 25000 - Comparing Countries (W)

GER 2/B
Examination of the core concepts, theories, and issues in the field of comparative relations. Topics include: Comparative analysis of democracies and democratization, revolution, and ethnicity and ethnic conflict.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 25100 - Politics of Africa, Asia and Latin America (W)

GER 3/B
An examination of the nature of governance and politics in Africa, Asia and Latin America. Through in-depth study of several countries, students explore topics and concepts such as political culture, modernization, development, dependency, democracy, political leadership and the processes of policy making.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 25200 - Government and Politics in the Caribbean (W)

GER 3/B PD/A
Colonial heritage and American presence. Political institutions, cultural diversity and economic dependency.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 25300 - Government and Politics in Latin America (W)

GER 3/B PD/A
Ideology, revolution, authoritarianism, democracy, institutions, class structure, distribution of wealth and power, political and economic development.
cross-listed LACS 43405

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 25400 - Government and Politics in Western Europe (W)
GER 3/B PD/D
Theory, practice, institutions and problems of Western European nations particularly Britain, France and Germany.
 prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 25500 - Government and Politics of Japan and Korea (W)

GER 3/B PD/A
Political, social and economic institutions of Japan and Korea; their domestic politics and relations with the world.
 prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 25600 - Government and Politics in South and Southeast Asia (W)

GER 3/B PD/A
Political, economic and social institutions of India, Cambodia, Vietnam, Indonesia, Thailand, etc.
 prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 25700 - Government and Politics of China (W)

GER 3/B PD/A
Chinese politics, institutions and foreign policy.
 prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26000 - African Politics through African Films (W)

GER 3/B PD/A
An examination of contemporary African politics using various social science theories, films and documentaries made by African filmmakers.

cross-listed AFPRL 29019, MEDIA 29975, FILM 21462
 prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26100 - Globalization and Opposition Movements (W)

GER 3/B
The environmental, social and political effects of economic globalization in less industrialized and in highly industrialized countries; reformist and radical critiques and neoliberal defenses; causes and consequences of opposition movements.
 prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26200 - Government and Politics in Central America (W)

GER 3/B PD/A
Political institutions, ideology, class and ethnic structure, economic development, distribution of wealth and power, foreign influences and revolutionary and evolutionary roads to modernization.
cross-listed LACS 43429
prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26300 - Government and Politics in the Middle East (W)

GER 3/B PD/A
Introduction to Islamic societies and their politics with particular attention to cultures of region.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26400 - Government and Politics of Israel (W)

GER 3/B
Historic evolution of the Jewish state and its political system, social issues and foreign policy.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26500 - Government and Politics in Eastern Europe (W)

GER 3/B PD/D
Political, social and economic institutions of individual Eastern Central European nations and their post-communist transitions.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26700 - The Politics of Southern Africa (W)

GER 3/B PD/A
Political, economic and social institutions in Zimbabwe, Kenya, Nigeria, Tanzania, South Africa, etc.

cross-listed AFPRL 29015
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26900 - Governments and Politics of Northern Africa (W)

GER 3/B
Political, economic and social institutions in Algeria, Tunisia, Morocco, Libya, etc.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 27200 - Contemporary Issues in Comparative Politics

GER 3/B
Selected topics in comparative politics.
prereq: Any 100-level course on POLSC or perm instr.
3 hrs3 cr.
POLSC 31000 - Comparative Legal Systems (W)

GER 3/B
Comparative study of major legal traditions of the modern world, including common law, civil law, Soviet, Islamic, Chinese, tribal and hybrid systems.

*prereq:* POLSC 11000, 23800 or 34000 or 34100 or 34300 or 37500 or any course in comparative politics subfield, or perm instr; ENGL 12000 or its equivalent

3 hrs 3 cr.

POLSC 31500 - Social and Economic Policies in Western Europe and the United States (W)

GER 3/B PD/D
Evolution of social and economic policies from the 19th century to the present. Policies are analyzed in light of tensions between democracy and capitalism.

*prereq:* ENGL 12000 or its equivalent; any course in comparative politics, or perm instr.

3 hrs 3 cr.

POLSC 35100 - Government and Politics of Russia and the Post-Soviet States (W)

GER 3/B
Post-Soviet politics, institutions, social forces, economic transformations and regions.

*prereq:* ENGL 12000 or its equivalent; any course in comparative politics, or perm. instr.

3 hrs 3 cr.

POLSC 35200 - State and Society in Africa (W)

GER 3/B PD/A
An examination of the nature of the relationship between the African state and civil society in the post-independence period and how this relationship influences governance and democracy.

*prereq:* ENGL 12000 or its equivalent; any course in comparative politics, or perm. instr.

3 hrs 3 cr.

POLSC 35300 - Social Movements, Civil Society, and the State in Latin America (W)

GER 3/B
Analysis of the role of popular and opposition movements in Latin America and their relationship to the state, from the challenges to the dictatorships of the 1970s through the contemporary neoliberal economic order and democratic polities.

*prereq:* ENGL 12000 or the equivalent; any course in comparative politics; minimum of 45 credits and 9 credits in political science or permission of the instructor.

4 hrs 4 cr.

POLSC 37200 - Contemporary Issues in Comparative Politics

GER 3/B
Selected topics in comparative politics.
prereq: ENGL 12000 or its equivalent; any course in comparative politics, or perm instr.
3 hrs 3 cr.

**POLSC 37800 - Russian National Interest: Past and Present (W)**

GER 3/B PD/D  
In a contemporary, historical and comparative context, this course will explore the factors influencing debates on and definitions of Russia’s national interests, the strategies for promoting those interests and the implications for Russia and the international system.

prereq: ENGL 12000 or equivalent; POLSC 25000 or POLSC 27000 or perm instr.
3 hrs 3 cr.

**Political Science: International Politics**

**POLSC 27000 - International Relations: Conceptual Foundations and Current Issues (W)**

GER 3/B  
Examines the conceptual foundations of international relations and their application to current issues. Topics include: anarchy, power, war and peace, international cooperation, the role of the state and non-state actors, international institutions, norms and human rights, and the global economy.

*Students may not take both POLSC 11500 and POLSC 27000 at Hunter College for credit. (Transfer students may receive only 100 level credit for a course equivalent to POLSC 11500 after Spring 2010, when POLSC 27000 becomes the prerequisite for most advanced courses in international relations.)*

prereq: ENGL 12000 or its equivalent  
3 hrs 3 cr.

**POLSC 27100 - International Politics in the Americas (W)**

GER 3/B PD/A  
Dynamics of US relations with Latin American countries from the colonial era through the Cold War to the present, and of relations of Latin American countries with each other and with extra-hemispheric nations.

cross-listed LACS 43432  
prereq: ENGL 12000 or its equivalent  
3 hrs 3 cr.

**POLSC 27300 - Contemporary Issues in International Politics**

GER 3/B  
Special issues in international politics. Past topics included the international law of energy, world water resources, war.
prereq: ENGL 12000 or its equivalent  
3 hrs 3 cr.

**POLSC 27400 - American Foreign Policy (W)**
GER 3/B
Personalities and processes in making, administering and controlling our foreign policy. Crises and dilemmas.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 27500 - Politics of the Global Economy (W)

GER 3/B
Introduction to International Political Economy (IPE). Examines the dynamic interaction between politics and economics across national borders, including the politics of trade, development, finance, varieties of capitalism, globalization and environmental protection. Not open to students who have taken POLSC 37600.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 27600 - International Relations of the Third World (W)

GER 3/B PD/A
Analysis of the role played by Third World states in international arena, examining relations of developing nations with advanced industrialized states, socialist states and other developing nations.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 27800 - International Organizations (W)

GER 3/B
Powers, functions and effectiveness of international institutions; emphasis on United Nations and regional organizations.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 28000 - Women, War and Peace (W)

GER 3/B PD/C
The course examines the roles that women have played as subjects and objects in war and peace.
cross-listed WGS 26200 (W)
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 28100 - Drugs, Politics and Public Policy (W)

GER 3/B
Examination of public policies addressing drug use and abuse in the United States and other countries with emphasis on political and cultural determinants, economic and market factors, constitutional implications and United States foreign policy.
prereq: ENGL 12000
3 hrs 3 cr.

POLSC 28200 - International Security (W)

GER 3/B
An introduction to basic concepts and problems in the area of international security, this course will explore
explanations for some of the central causes of security/insecurity and peace/war, as well as examine select contemporary security issues.

**prereq: ENGL 12000 or its equivalent**

3 hrs 3 cr.

**POLSC 28300 - Terrorism (W)**

GER 3/B
The course will explore the types, causes, and strategies of terrorism as well as the effectiveness and civil liberty implications of counterterrorism strategies. Both contemporary and historical terrorist groups will be considered.

_Not open to students who have completed POLSC 27353._

**prereq or coreq: ENGL 12000 or the equivalent**

3 hrs 3 cr.

**POLSC 37300 - Contemporary Issues in International Politics**

GER 3/B
Selected topics in international politics.

**prereq: ENGL 12000 or its equivalent; POLSC 27000 or 11500 (prior to 9/2010)**

3 hrs 3 cr.

**POLSC 37400 - International Human Rights (W)**

GER 3/B
An examination of the origins, substance and processes of human rights in international relations.

**prereq: ENGL 12000 or its equivalent**

3 hrs 3 cr.

**POLSC 37500 - International Law (W)**

GER 3/B
Case studies on nature, sources, practices and efficacy of international law, principles and rules.

**prereq: ENGL 12000 or its equivalent**

3 hrs 3 cr.

**POLSC 37600 - International Political Economy (W)**

GER 3/B
Examination of the intersection of politics and economics at the international level through a careful reading and analysis of dominant theoretical approaches and their application to central debates concerning the politics of trade, money and finance, development and globalization.

**prereq: ENGL 12000 or its equivalent; POLSC 27000 or 27500; minimum of 45 credits and 9 credits in political science or permission of the instructor.**

4 hrs 4 cr.

**POLSC 37700 - Theories of International Politics (W)**

GER 3/B
An examination of the central concepts and issues in international politics that underpin the main theoretical debates in
the field.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or perm. instr.
3 hrs3 cr.

**POLSC 37900 - War and Strategy (W)**

GER 3/B

An examination of strategy and wars between states, within states, and between states and transnational groups. Focuses on how strategy affects the avoidance, outbreak, conduct, and consequences of war and the difficulty of devising strategies that successfully link political ends and military means.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or POLSC 28200; minimum of 45 credits and 9 credits in political science or permission of the instructor.
4 hrs4 cr.

**POLSC 38000 - European Security (W)**

GER 3/B PD/D

A theoretically informed examination of current and historical security problems in Europe, with a focus on the sources of war and peace, strategic calculations, alliances, institutions, democratization, norms, and ideological and identity conflicts. A principal aim is to establish a foundation for analyzing the prospects for a secure order in Europe in the first part of the 21st century.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or 28200; minimum of 45 credits and 9 credits in political science or permission of the instructor
4 hrs4 cr.

**POLSC 38100 - East Asia in World Politics (W)**

GER 3/B PD/A

An examination of sources of stability and instability in East Asia, using social science theories and historical background.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or perm instr.
3 hrs3 cr.

**POLSC 38200 - Causes of War (W)**

GER 3/B

An analysis of the causes of war and peace for both civil and interstate wars including especially the role of bargaining, but also the roles alliances, arms races, rivalries, and institutions.

prereq or coreq: ENGL 12000 or the equivalent; POLSC 27000 or POLSC 28200; minimum of 45 credits and 9 credits in political science or permission of the instructor.
4 hrs4 cr.

**Political Science: Political Theory**
POLSC 11200 - Introduction to Political Theory (W)

GER 2/B
Selected writings of the great political thinkers. Recurrent problems of politics from Plato to the present.
prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 20000 - Interpreting Politics: An Introduction to Political Ideas (W)

GER 2/B or 3/B
An introduction to interpreting major political ideas and their significance in the contemporary world. Competing understandings of concepts such as freedom, equality, justice, citizenship, and legitimacy will be explored, in part by applying them to concrete political issues such as multiculturalism, economic distribution, and the death penalty.
prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 20100 - Ancient to Early Modern Political Thought (W)

GER 3/B PD/D
The study of selected writers from the ancient Greeks to the Renaissance (e.g., Plato to Machiavelli), focusing on the political dimensions of such ideas as rationality, virtue, community, human nature and historical change.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 20200 - Modern Political Thought (1600-1900) (W)

GER 3/B PD/D
The study of selected political writers (e.g., Hobbes to Nietzsche), with special emphasis given to the nature of and problems with, liberty, equality and justice in modern societies and states.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 20300 - Political Thought Since 1900 (W)

GER 3/B PD/D
Exploration of concepts and thinkers in political theory since 1900. Topics include such traditional issues of political theory as the nature and scope of political regimes, justice, equality and changing concepts of human nature.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 20400 - Contemporary Issues in Political Theory

GER 3/B
Topics vary each semester. They have included democracy in America, totalitarianism, liberty and authority.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 20600 - Research Design in Political Science (W)
GER 3/B
Public opinion surveys, content analysis, legislative roll-call analysis, census data, election returns. Introduction to statistics. Uses Social Science Data Lab.
*prereq: passing college proficiency exam in math or perm instr; ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20700 - Data Analysis in Political Science (W)

GER 3/B
Computer applications and statistical analysis in political science. Students write a quantitative term paper. Uses Social Science Data Lab.
*prereq: POLSC 20600 or perm instr.
3 hrs3 cr.

POLSC 20900 - Women and Gender in Western Political Thought (W)

GER 3/B PD/C or D
Examines history of political thought from the perspective of gender relations and the treatment of women.
*cross-listed* WGS 20900 (W)
*prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 30100 - American Political Thought (W)

GER 3/B
Examination of ideas that have shaped American politics from the Revolution to the present, including Federalists and Anti-Federalists, Progressivism and responses to industrialization and recent debates over the welfare state, political inclusion and democracy.
*prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs3 cr.

POLSC 30400 - Contemporary Issues in Political Theory

GER 3/B
Selected topics in political theory.
*prereq: ENGL 12000 or its equivalent; one course in political theory subfield or perm instr
3 hrs3 cr.

POLSC 30500 - Democratic Theory (W)

GER 3/B
A critical survey of different conceptions of democracy: issues include democracy as a political order, democracy and 'non-political' forms of life (e.g., business, family, religion), toleration, political representation, democracy and justice.
*prereq or coreq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs3 cr.

POLSC 30900 - Feminist Political Theory (W)

GER 3/B PD/C
Readings in feminist ideas, both historical and contemporary, on issues of power, justice and equality. The course will emphasize different perspectives, including those of liberal, radical, postmodernist, women of color, third world and
'global' feminists.

**cross-listed WGS 30900 (W)**

*prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.*

3 hrs 3 cr.

**POLSC 31100 - Utopian Theory (W)**

**GER 3/B**

Political theorists often imagine ideal worlds, both to explore ideals and to criticize political realities. This course will explore utopias and dystopias as theories that explore political possibilities and challenge existing realities.

*prereq: ENGL 12000 or its equivalent; one course in political theory or perm dept.*

3 hrs 3 cr.

**POLSC 31600 - Political Theory of Human Rights (W)**

**GER 3/B**

A critical analysis of the intersection of academic and practical discourse of human rights with the central concerns of political theory, particularly as it engages relationships between ethics and power as well as theory and practice.

*prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.*

3 hrs 3 cr.

**Political Science: Independent Study, Honors, Advanced Seminars**

The following courses, which include independent studies, and honors independent studies, may not be used to fulfill the four subfield requirement. **No more than 6 credits in internship, independent study, and/or experiential courses** (such as Model United Nations) may be used to satisfy the 30 credits in the major.

**POLSC 29001-29003 - Independent Study in Political Science**

**GER 3/B**

Students may take independent study only with full-time members of the department. As a general rule, the students should have taken a prior course with this instructor. Departmental permission will not be granted without explicit approval by the instructor.

*prereq: at least one course in appropriate field, perm dept.*

1-3 cr.

**POLSC 48000 - Seminar in Selected Problems of Political Science**

Open to Jr/Sr only. Advanced seminar on selected topics.

*prereq: perm dept.*

3 hrs 3 cr.

**POLSC 48600 - Senior Colloquium**

Advanced seminar. Major project and/or paper required.

*prereq: perm. dept.*

3 hrs 3 cr.
POLSC 49202-49203 - Honors Independent Study in Political Science

Students may take independent study honors projects only with full-time faculty members of the department. As a general rule, the students should have taken a prior course with this instructor. Departmental permission will not be granted without explicit approval by the instructor.

prereq: at least one course in appropriate field, perm dept.
2-3 cr.

Political Science: Experiential Courses

Experiential courses may not be used to fulfill the four subfield requirements. No more than 6 credits in internship, independent study, and/or experiential courses (such as Model United Nations) may be used to satisfy the 30 credits in the major.

POLSC 22200/22300 - Seminar/Internship in New York City Government

Practical experience in city government and politics. Weekly seminars, monthly university-wide meetings.

Students are advised to have completed at least 60 overall credits and 12 to 15 political science credits with at least one course in the field in which they are interested in taking the internship. Students should have at least a 3.0 grade point average in political science before applying.

prereq: perm dept.
4 hrs 4 cr.

POLSC 29801-29806 - Internship in Political Science

Students may take independent study internships only under the supervision of full-time members of the department. As a general rule, the students should have taken a prior course with this instructor. Departmental permission will not be granted without explicit approval by the instructor.

prereq: at least one course in appropriate field, perm dept.
1-6 cr.

Psychology

Note: Letters in parentheses after course names refer to content areas: (A) = Applications of Psychology; (B) = Biopsychology; (C) = Cognitive Processes; (D/S) = Developmental/Social.

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs 3 cr.

PSYCH 14000 - Psychology of Adjustment
GER 2/B
Styles of adjustment; social interaction; self-concept and self-esteem: stress management; alienation; failures of adjustment.
prereq: PSYC 10000
3 hrs 3 cr.

PSYCH 15000 - Human Development

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.
prereq: PSYC 10000
3 hrs 3 cr.

PSYCH 16000 - Evolution and Behavior

GER 2/B
Aggression, sleep, learning, communication, emotion, motivation and social behavior in human and other species; underlying mechanisms, development, evolutionary history.
prereq: PSYC 10000
3 hrs 3 cr.

PSYCH 17000 - Psychology of Human Sexuality

GER 2/B PD/C
Psychological foundations, sexual development and response patterns; male and female roles; individual and social attitudes, legal issues.
cross-listed WGS 17000
prereq: PSYC 10000
3 hrs 3 cr.

PSYCH 18000 - Brain and Behavior

GER 2/B
Brain structure, function and relation to behavior. Topics include the neural basis of perception, learning and memory, consciousness, motivation, emotion.
prereq: PSYC 10000
3 hrs 3 cr.

PSYCH 19000 - Development of Gender Roles

GER 2/B PD/C
Social, cognitive, hormonal and personality factors in development of gender roles; determinants of behavioral and cognitive gender differences.
cross-listed WGS 19000
prereq: PSYC 10000
3 hrs 3 cr.

PSYCH 19500 - Special Topics in Psychology I

GER 2/B
Readings and discussions on a selected problem or topic area. Topics vary from semester to semester.
PSYCH 20100 - Independent Study in Psychology

May be applied to major once. Designed to meet the needs of individual students under the direction of a particular faculty sponsor. The course may involve independent readings, tutorials, work as an advising assistant or peer counselor, field placement, an individual research project, or participation in ongoing faculty research, any of these culminating in a written report.

prereq: PSYC 10000 and any other 3 cr PSYCH course, perm dept.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 20500 - The Profession of Psychology (W)

GER 3/B
Open to declared majors only. Introduction to and critical analysis of the profession of psychology; examination of theories and career options in major subfields of psychology. Students must have Internet access.

prereq: PSYC 10000 and any other 3 cr PSYCH course, perm dept.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 21000 - Child Psychology (D/S)

GER 3/B
Emotional, social, motor and cognitive development as influenced by genetic, cultural and individual factors during the first twelve years of life. (May not be taken for credit by students who have a collateral major, or a minor, in education.)

Writing Intensive
prereq: PSYC 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 21200 - Psychology of Exceptional Children (D/S)

GER 3/B
Special problems of adjustment and training of exceptional children, including the gifted as well as the intellectually, emotionally and physically handicapped.

Writing Intensive
prereq: PSYC 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 21500 - Introduction to Research Methods in Psychology (W)

GER 3/B
Evaluation of published research; research principles and the concepts which underlie them; how to evaluate and select research strategies.

prereq: PSYC 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.
PSYCH 22000 - Personality (D/S)

GER 3/B
Review of the contributions to the understanding of normal personality in the theories of the Freudian and other analytical schools; of Allport, of representative behaviorist groups and of constitutional typologists; also, methods of assessing and understanding individual personality.
writing intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs3 cr.

PSYCH 22100 - Psychoanalytic Theories (A; D/S)

GER 3/B
Historical, theoretical and empirical approaches from Freud to the present; empirical evaluation and integration of these theories with learning and ethological theory.
writing intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs3 cr.

PSYCH 22300 - Abnormal Psychology (A; D/S)

GER 3/B
Consideration of psychological abnormalities; symptoms, etiology, diagnostic procedures and therapy.
writing intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs3 cr.

PSYCH 22500 - Ethology: Animal Behavior (B)

GER 3/B
Adaptation, survival, reproduction and evolution of behavior, emphasizing development and species-comparison.
writing intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs3 cr.

PSYCH 23000 - Social Psychology (D/S)

GER 3/B
Problems of human experience and behavior in the social context; theories and current methodology in research on the influence of the group on cognitive processes, motivation, personality structure and the self; attitudes and prejudice; leadership; group processes.
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs3 cr.

PSYCH 23500 - The Psychology of Women (D/S)
GER 3/B PD/C
Psychological functioning of women; sexuality, pregnancy, social roles and status, aging, achievement, life styles, power.
Writing Intensive cross-listed WGS 23500 (W)
prereq: PSYCH 10000 and any other 3 cr PSYCH course
or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 24000 - Applications of Psychology (A)

GER 3/B
Psychological issues in business, law and medicine; consumer research, personnel selection and training, motivation and morale in industry, safety programs, testimony, lie detection and psychological issues in coping with physical illness.
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 24200 - Health Psychology (A)

GER 3/B
Psychological and behavioral factors related to physical illness and health promotion, including such areas as aging, stress and coping, pain, addiction and eating disorders.
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 24500 - History of Psychology (W)

GER 3/B
Introspective, behavioristic, gestalt, psychoanalytic and related viewpoints developed from early philosophic roots of psychology.
prereq: PSYCH 10000 and any other 3 cr PSYCH course
or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 24800 - Statistical Methods in Psychological Research

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or appropriate score on math placement exam
coreq: Writing Intensive
prereq or coreq: ENGL 12000
4 hrs 4 cr.

PSYCH 24900 - Experimental Psychology: Social
GER 3/B
Introduction to the principles of research methodology and experimental techniques. Required research reports involve laboratory and field exercises concerned with a variety of social psychological phenomena. (Students may take either PSYC 249 or 250, but not both.)

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade; PSYC 24800 with a minimum grade of C
prereq or coreq: Writing Intensive
6 hrs (2 lec, 4 lab)4 cr.

PSYCH 25000 - Experimental Psychology: General

GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade; PSYC 24800 with a minimum grade of C
prereq or coreq: Writing Intensive
6 hrs (2 lec, 4 lab)4 cr.

PSYCH 27000 - Cognitive Processes (C)

GER 3/B
How input is encoded, transformed, elaborated, stored and retrieved in the human information processing system and how these operations provide the basis for more complex forms of human behavior; analyses of theoretical issues and research pertaining to memory, problem solving, language, attention and perception.
PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000, PSYC 24900 or 25000
3 hrs3 cr.

PSYCH 29500 - Special Topics in Psychology II

GER 3/B
Readings and discussion on a selected problem or topic area. Topics will vary from semester to semester.
PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000, PSYC 24900 or 25000 or perm instr.
3 hrs3 cr.

PSYCH 30000 - Physiological Psychology (B)
GER 3/B
Neural and endocrine mechanisms involved in learning, emotion, perception and other psychological processes. 
PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 30100 - Sensation and Perception (B; C)

GER 3/B
Open to declared majors only. Methods, theories and empirical data relating to stimulus detection, encoding and perception as a function of variables including current stimuli and past history.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 30600 - Seminar in Psychological Services I (A)

Open to declared majors only. An integration of personality and abnormal psychology, the helping process and the role of the helper. Seminar and one day per week placement in mental health/community service setting.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 2200 or 32300, PSYCH 24900 or 25000, perm instr.
8 hrs 4 cr.

PSYCH 30700 - Seminar in Psychological Services II (A)

Integration of personality and abnormal psychology. Seminar and one day per week placement in mental health/community service setting.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000, PSYCH 30600, perm instr.
3 hrs 3 cr.

PSYCH 30900 - Sex and Behavior (B; D/S)

GER 3/B PD/C
Research and attitudes about sex-related behavior in human and nonhuman animals emphasizing evolutionary and neuroendoinological processes and social-psychological processes; male-female differences and similarities, therapeutic strategy in sex-behavior pathology and sexual behavior and the law.
PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs3 cr.

PSYCH 31000 - Research Methods and Special Problems in Developmental Psychology (C; D/S)

GER 3/B
Open to declared majors only. Theory and research in selected areas of developmental psychology.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 15000 or 21000, PSYCH 24900 or 25000. perm instr.
3 hrs3 cr.

PSYCH 31500 - Psychological Study of Adult Development (D/S)

GER 3/B
Open to declared majors only. Theories and research concerning the personal and social development of men and women in adulthood; ongoing changes with age related to physical growth and decline, including marital, parental and interpersonal relationships, occupational roles, leisure activities, disability and approaching death.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 15000 or 21000, PSYCH 24900 or 25000
3 hrs3 cr.

PSYCH 32200 - Problems in Psycholinguistics (C)

GER 3/B
Psychological and psychophysical basis of language comprehension, production and acquisition from experimental and theoretical perspectives; the relationship between language and the cognitive processes of perception, memory and representation.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000, PSYCH 27000 or perm instr.
3 hrs3 cr.
PSYCH 32300 - Child Psychopathology (A; D/S)

GER 3/B
Survey and evaluation of empirical and theoretical approaches to the major psychological abnormalities that arise in childhood and adolescence; their characteristics, causes and treatments.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 21200 or 22300, PSYCH 24900 or 25000

3 hrs3 cr.

PSYCH 32700 - Motivation (B; C)

GER 3/B
The problem of how behavior is initiated, maintained, directed and terminated. Human and non-human research evaluated.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000

3 hrs3 cr.

PSYCH 32800 - States of Consciousness (A/C)

GER 3/B
The subjective and physiological aspects of consciousness; the means by which it may be altered: hypnosis, dreams, drugs, meditation and mysticism; psychosis.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000

3 hrs3 cr.

PSYCH 34000 - Industrial and Organizational Psychology (A)

GER 3/B
A review of research and theories on the effects of leadership, human relations, motivation and organizational structures on behavior in business and industrial settings; applications of personnel psychology, motivational psychology and human factors engineering in the work place; job analysis, employee selection, leadership, performance appraisal, power and authority, work motivation and organizational communication.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
**PSYCH 34800 - Statistics Practicum in Psychology**

GER 3/B
Apply and extend statistical knowledge and data analytic skills by tutoring students in PSYCH 24800 and serving as a teaching assistant for the course. Weekly seminar meetings provide training and support. Students prepare and give statistical presentations, write homework problems, help in computer labs, and evaluate homework problems or lab assignments.

*prereq: PSYCH 24800 with a minimum grade of A-, perm instr.*
3 hrs 3 cr.

**PSYCH 35000 - Learning Theory (C)**

GER 3/B
Theoretical and experimental approaches to human and animal learning; the relationship between systematic theory models and methodology; analysis of the historical and contemporary major contributions to learning theories.

*prereq: ENGL 12000. PSYCH 24900 or 25000*
3 hrs 3 cr.

**PSYCH 36100 - Psychological Tests (A)**

GER 3/B
Introduction to the principles of psychological assessment: major methods of measuring general ability, aptitude, achievement, interest, personality. Appraisal of psychological tests.

*prereq: ENGL 12000. PSYCH 24900 or 25000*
3 hrs 3 cr.

**PSYCH 36900 - Drugs and Behavior (B)**

GER 3/B
Neurochemical substrate of brain functioning; historical context and social ramifications of drug use.

*prereq: ENGL 12000, PSYCH 24900 or 25000, PSYCH 30000 or perm instr.*
3 hrs 3 cr.

**PSYCH 37000 - Psychology of Cognitive Development (C; D/S)**

GER 3/B
A comparative information processing perspective on the development of mental structure and functioning, including perception, memory, problem solving, self-awareness of thinking, intelligence, concept formation and language development.

*prereq: ENGL 12000. PSYCH 24900 or 25000, PSYCH 27000 or perm instr.*
3 hrs 3 cr.

**PSYCH 38000 - Microcomputers in Psychological Research**
GER 3/B
An introduction to the fundamentals of microcomputer programming and digital electronics, including the structure of a computer language (BASIC), digital logic, interfacing and computer memory. Students learn to program psychological experiments, collect data, perform statistical analyses and control peripheral devices by microcomputer. Designed for advanced undergraduates.

prereq: ENGL 12000. PSYCH 24900 or 25000, perm instr.
3 hrs3 cr.

PSYCH 39000 - Special Topics in Psychology III

GER 3/B
Readings and discussion on a selected problem or topic area. Topics vary from semester to semester.

prereq: ENGL 12000, PSYCH 24900 or 25000, perm instr.
3 hrs3 cr.

PSYCH 39500 - Independent Research in Psychology

May be applied to the major once. Designed to meet the needs and interests of individual students under the direction of a particular instructor at a more advanced level than PSYCH 20100. Such study may involve independent reading, tutorials, independent research projects, or participation in ongoing faculty research, any of these culminating in an APA-style research report or literature review. Field Placements (internships) cannot be granted credit as PSYC 39500; however, supervised field Placement taken in conjunction with PSYCH 36100 - Psychological Tests (A) will be granted credit as PSYC 395.

prereq: ENGL 12000. PSYCH 24900 or 25000, perm instr.
3 hrs3 cr.

PSYCH 39600 - Honors in Psychology

Independent, sponsored, empirical research and seminar. Students are expected to attend the regularly scheduled seminar. An APA-style research report or its equivalent (to be filed in the department) is a requirement of this course. To graduate with departmental honors, the student must receive a grade of A in PSYCH 39000. Honors in Psychology is typically a one-semester course; however, when a PSYCH 39600 research project extends beyond a single semester, the student may (with permission) register for a second semester as PSYCH 39800. If taken, the student must receive a grade of A in both PSYCH 39600 and 39800 to graduate with departmental honors.

prereq: ENGL 12000. PSYCH 24900 or 25000; 3.5 major GPA; 3.00 cumulative GPA; perm instr.
3 hrs3 cr.

PSYCH 39800 - Honors in Psychology

Independent sponsored research and seminar. Attendance at regularly scheduled seminar and research report required. If taken, the student must receive a grade of A in both PSYCH 39600 and 39800 to graduate with departmental honors.

prereq: PSYCH 39600, perm instr.
3 hrs3 cr.

PSYCH 40000 - Special Topics in Psychology IV

GER 3/B
Readings and discussion on a selected problem or topic area. Topics vary from semester to semester.
prereq: ENGL 12000. PSYCH 24900 or 25000, perm instr.
3 hrs3 cr.

Public Policy

PUPOL 10000 - Introduction to Public Policy

An interdisciplinary introduction to public policy utilizing the literature and tools of a variety of social science disciplines. This course introduces students to basic concepts and approaches in public policy. It will acquaint students with public policy as a field of study, the basic elements of the policy making process, and distinct modes for analyzing public policy and its outcomes. It will be team-taught by faculty from at least two related social science disciplines.

Writing Requirements: This course will require 20 to 25 pages of writing in the form of two take home essay examinations (4-5 pages each), a proposal for a final paper (3-5), and a final paper (8-10 pages).

Open only to students enrolled in the program. Cannot be used to fulfill any other requirements.
This course is taken at the state of the art Roosevelt House.

prereq: declaration of a minor/certificate in Public Policy and a minimum GPA requirement of 3.0
3 hrs3 cr.

PUPOL 40000 - Capstone Seminar

This writing intensive course is the culminating experience in the Public Policy minor/certificate. It provides students with an opportunity to apply the knowledge and skills acquired in their other courses to a specific policy problem. An interdisciplinary course, it will require students to make an inquiry into a specific policy problem. The project will be overseen jointly by a faculty adviser who specializes in the substantive area of public policy chosen and another faculty adviser in the program by writing a formal paper.

Each student will write an appropriately revised 5-7 page research proposal and a 20-25 page research paper involving primary research.

These courses are only open to students enrolled in the program. They cannot be used to fulfill any other requirements.
This course is taken at the state of the art Roosevelt House.
prereq: Students must have completed 45 credits, have a declared major, and a cumulative GPA of 3.0 or higher.
3 hours3 credits

Religion: Introduction to the Field of Religion

REL 11000 - Nature of Religion (W)

GER 2/C
Study of basic facets of religion: God, ethics, worship, faith, myth, ritual, symbolism, etc.
3 hrs3 cr.

REL 11100 - Approaches to Religion (W)
Different understandings of religion: sociological, anthropological, psychological, philosophical, theological.  
_**prereq:** ENGL 12000  
_3 hrs3 cr._

**Religion: Theoretical Studies in Religion**

**ANTHC 30700 - Anthropology of Religion**

GER 3/B PD/A  
Emphasis on non-Western societies; theories of religion, magic; functions and symbolic meaning.  
_3 hrs3 cr._

**REL 26000 - Special Topics: Theoretical Studies in Religion**

Specialized study of a methodological approach to the study of religion. Different topic each time offered.  
_3 hrs3 cr._

**REL 27000 - Religion and Psychology (W)**

GER 2/C PD/D  
An examination of ways in which psychology understands, describes, values (or devalues) religion using the media of text, story and film.  
_**prereq:** ENGL 12000  
_3 hrs3 cr._

**REL 36000 - Special Topics: Theoretical Studies in Religion**

GER 3/A  
Specialized study of a methodological approach to study of religion. Different topic each time offered.  
_3 hrs3 cr._

**REL 39000 - Modern Theories in Religion (W)**

GER 3/A PD/D  
An advanced methodology course surveying key issues and main approaches under discussion in the current study of religion when standard methods of interpretation are being subjected to exhaustive critique and revision and new theories are being proposed.  
_**prereq:** ENGL 12000, REL 11100 or equiv; at least one other course in religion or a theoretical course offered by participating department, such as ANTHC 30700, PHILO 26200 or SOC 20500; perm instr.  
_3 hrs3 cr._

**Religion: Issues in Religion**

**REL 20400 - Religious Experience (W)**
GER 2/C PD/D
Cross-cultural analysis of religious experiences: Biblical, ancient Greek, Asian, modern Western.
*prereq: ENGL 12000
3 hrs 3 cr.

REL 20500 - Faith and Disbelief (W)

GER 2/C PD/D
Examination of questions of faith and disbelief in modern Western thought.
*prereq: ENGL 12000
3 hrs 3 cr.

REL 20600 - Ideas of God in Contemporary Western Thought (W)

GER 2/C PD/D
Survey of representative schools of current Western religious thought: Christian theism, metaphysical protest, process theology, feminist theology, liberation theology, beyond theism thought.
*prereq: ENGL 12000
3 hrs 3 cr.

REL 20700 - Religious Sources for Morality (W)

GER 2/C PD/D
Religious reasons for determining good and evil; religious sources for ethical decisions.
*prereq: ENGL 12000
3 hrs 3 cr.

REL 20800 - Religion and Social Justice (W)

GER 2/B PD/D
An exploration into religious perspectives on such social issues as war, race, the economy and gender relations.
*prereq: ENGL 12000
3 hrs 3 cr.

REL 26100 - Special Topics: Issues in Religion

Study of particular religious topics or thinkers. Different subject each time offered.
3 hrs 3 cr.

REL 30700 - Religious Ideas in Modern Literature (W)

GER 3/A PD/D
Exploration of religious themes in modern literature.
*prereq: ENGL 12000
3 hrs 3 cr.

REL 30800 - Religion and the Arts (W)

GER 3/A PD/D
Examination of religious themes in art, music, theatre, cinema, or literature. Different topics each time offered.
**REL 30900 - The Religious Meaning of Love and Sex (W)**

GER 3/A PD/D
Interdisciplinary investigation of the major ways humankind has understood the relation between the sexually erotic and religious realities.

*prereq: ENGL 12000*

3 hrs 3 cr.

**REL 31000 - The Religious Meaning of Death (W)**

GER 3/A PD/D
Consideration of the meaning of death in major world religions.

*prereq: ENGL 12000*

3 hrs 3 cr.

**REL 31100 - Women and Religion (W)**

GER 3/A PD/C
An examination of the role of women and the concept of the feminine in world religions.

*prereq: ENGL 12000*

3 hrs 3 cr.

**REL 31200 - Religion and Politics (W)**

GER 3/A PD/D
The role of political ideology in the shaping of religious belief and theology's influence on politics in Western and non-Western traditions, both conservative and radical.

*prereq: ENGL 12000*

3 hrs 3 cr.

**REL 31300 - Spirit and Nature (W)**

GER 3/A PD/D
An exploration of the ideas of nature and animal life in a representative sampling of the religious traditions of the world, inquiring into the implications for environmental policy and the treatment of animals.

*prereq: ENGL 12000*

3 hrs 3 cr.

**REL 31500 - The Problem of Evil (W)**

GER 3/A PD/D
Exploration of the religious meaning of evil in different cultures.

*prereq: ENGL 12000*

3 hrs 3 cr.

**REL 33400 - Mysticism (W)**
GER 3/A PD/D
Cross-cultural exploration of mystical experience and mystical doctrines, as well as an exploration of the various methods of studying them.
prereq: ENGL 12000
3 hrs3 cr.

REL 33500 - Myth and Ritual (W)

GER 3/A PD/D
Cross-cultural exploration of myth and ritual and their place in various cultures; methodologies for analysis.
prereq: ENGL 12000
3 hrs3 cr.

REL 34000 - Homosexuality in World Religions (W)

GER 3/A PD/C
A survey and analysis of typical ways in which homosexuality has been understood, evaluated and in some cases institutionalized in a variety of religious traditions, attending especially to implicit constructions of gender.
prereq: ENGL 12000
3 hrs3 cr.

REL 36100 - Special Topics: Issues in Religion

GER 3/A
Study of particular religious topics or thinkers. Different subject each time offered.
3 hrs3 cr.

Religion: Religious Traditions

HIST 31500 - Christianity in Modern Times

GER 3/B
Not offered to freshmen. Transformation of Christianity since the Reformation, Enlightenment and modern political and intellectual challenges.
3 hrs3 cr.

REL 25100 - Eastern Religions (W)

GER 2/C PD/A
Study of Hinduism, Buddhism, Jainism, Taoism and Confucianism.
prereq: ENGL 12000
3 hrs3 cr.

REL 25200 - Ancient Near Eastern Religions (W)

GER 2/C PD/A
Study of Egyptian religion, religions of Sumer and Babylonia, religion of the early Hebrews (including the Old Testament).
**REL 25300 - Western Religions (W)**

GER 2/C PD/D  
Survey of major Western religions – Christianity, Judaism, Zoroastrianism and Islam.  
*prereq: ENGL 12000  
3 hrs 3 cr.*

**REL 25400 - Tribal Religions: From Australia to the Americas (W)**

GER 2/C PD/A or B  
Study of indigenous religions of Pacific Islanders and North American Indians.  
*prereq: ENGL 12000  
3 hrs 3 cr.*

**REL 25500 - Religions of Two Gods (W)**

GER 2/C PD/A  
A survey of historical varieties of dualistic religion both classical and modern which inquires into the moral grounds for their recurring appeal.  
*prereq: ENGL 12000  
3 hrs 3 cr.*

**REL 25600 - Afro-Caribbean Religions (W)**

GER 2/C PD/B  
An introduction to the diversity of African-based religions in the Caribbean and beyond.  
*prereq: ENGL 12000  
3 hrs 3 cr.*

**REL 26200 - Special Topics: Religious Traditions**

Specialized study of specific religious traditions or groups of traditions. Different topic each time offered.  
*3 hrs 3 cr.*

**REL 32000 - Hinduism (W)**

GER 3/A PD/A  
Study of Hinduism, its development, history, literature, philosophy and religious practices.  
*prereq: ENGL 12000  
3 hrs 3 cr.*

**REL 32100 - Buddhism (W)**

GER 3/A PD/A  
Study of Buddhism, its development, history, literature, philosophy and religious practices.  
*prereq: ENGL 12000  
3 hrs 3 cr.*
REL 32200 - Islam (W)

GER 3/A PD/A
Study of Islam, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs3 cr.

REL 32300 - Christianity (W)

GER 3/A PD/D
Analysis of the Christian religion which employs methodologies of the academic study of religion and which aims to uncover the unity of Christian faith embodied in its various expressions.
prereq: ENGL 12000
3 hrs3 cr.

REL 32400 - Islam and Buddhism (W)

GER 3/A PD/A
Study of Islam and Buddhism, their founders, development, beliefs, rituals and interaction.
prereq: ENGL 12000
3 hrs3 cr.

REL 33000 - New Testament Religion (W)

GER 3/A PD/D
prereq: ENGL 12000
3 hrs3 cr.

REL 33300 - Christian Theology (W)

GER 3/A PD/D
An examination of key doctrines in Christian thought such as trinity, incarnation, existence of God and grace.
prereq: ENGL 12000
3 hrs3 cr.

REL 33600 - Zen (W)

GER 3/A PD/A
An inquiry into the teachings of Chinese and Japanese Zen in light of their Buddhist and Daoist backgrounds.
prereq: ENGL 12000
3 hrs3 cr.

REL 33700 - Sufism (W)

GER 3/A PD/A
A course on the esoteric or mystical dimension of Islam, known among Muslims as ta/awwuf, attending to the history, doctrine and metaphysics of the Sufi path.
prereq: ENGL 12000
3 hrs 3 cr.

REL 36200 - Special Topics: Religious Traditions

GER 3/A
Specialized study of specific religious tradition or groups of traditions. Different topic each time offered.
3 hrs 3 cr.

REL 41000 - Independent Study in Religion

Open to majors only. Individual research and writing on topic in religion under supervision of a religion professor.
prereq: perm chair
hrs TBA-6 cr.

REL 45000 - Honors Seminar in Religion

Specialized study in religion. For religion majors or other advanced religion students. Different topic each time offered. May be taken a second or third time with another subject. One topic offered under REL 45000 or 49000 satisfies the course requirements for departmental honors.
prereq: five courses in religion or a major/CUNY-BA focus in religion and perm instr. or program director
3 hrs 3 cr.

REL 49000 - Honors Tutorial in Religion

Open to majors only. Individual research and writing on topic in religion under supervision of Religion Honors Committee. REL 49000 or one topic offered under REL 45000 satisfies the course requirements for departmental honors.
prereq: perm chair
hrs TBA-6 cr.

Romance Languages: Division I: French

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100 FREN 10200 FREN 20100 FREN 20200), an intensive sequence (FREN 10300 FREN 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.

FREN 10100 - Elementary French I

Language lab mandatory. Not credited without FREN 10200.

FREN 10200 - Elementary French II

Language lab mandatory.
There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.

**FREN 10100 - Beginning French**

3 hrs 3 cr.

**FREN 10200 - Intermediate French I**

Language lab mandatory.

6 hrs 6 cr.

**FREN 10300 - Intensive Elementary French**

Equivalent to material covered in 10100 and 10200. Language lab mandatory.

2 hrs 2 cr.

**FREN 20100 - Intermediate French II**

Language lab mandatory.

6 hrs 6 cr.

**FREN 20200 - Intermediate French II**

Language lab mandatory.

3 hrs 3 cr.

**FREN 20300 - Intensive Intermediate French**

Equivalent to material covered in 20100 and 20200. Language lab mandatory.

6 hrs 6 cr.
FREN 20800 - French for Francophones

An intermediate-level language course designed for French speakers who have acquired the language in the family, local Francophone communities or abroad. Emphasizes the development of oral and written skills to the advanced level through interviews, readings and writing assignments. Spelling and grammar are also highlighted.

prereq: intermediate-level ability as determined by dept. exam or interview; perm dept.
3 hrs 3 cr.

FREN 21100 - Intermediate Grammar and Composition

Continued study of grammar and syntax, with focus on reading and writing. Intended for French majors and minors.

prereq: FREN 20200 or equiv.
3 hrs 3 cr.

FREN 22000 - Advanced French Conversation

prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 24100 - Early French Civilization: From Gothic to Revolution

GER 2/C PD/D
Conducted in English; readings in English.
3 hrs 3 cr.

FREN 24200 - Modern French Civilization: From Revolution to Present

GER 2/C PD/D
Conducted in English; readings in English.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
3 hrs 3 cr.

FREN 25100 - French Literature and the Arts

PD/D
Conducted in English; readings in English and French. Particular attention to theme, image and structure as they may be compared in literary and artistic works.
3 hrs 3 cr.

FREN 25200 - From Symbolism to Surrealism in French Literature

GER 3/A
Conducted in English; readings in English. Impressionist, symbolist, cubist, Dada and surrealist movements in literature and art from the late 19th to 20th century.
3 hrs 3 cr.

FREN 25300 - Modern French Theatre: Theory and Practice
GER 3/A PD/D
4 hrs3 cr.

FREN 25400 - Film and the French Novel

GER 3/A PD/D
Conducted in English. Truffaut, Godard, Resnais, Robbe-Grillet and others.
3 hrs3 cr.

FREN 25500 - New Approaches to Modern French Literature

GER 3/A
Conducted in English; readings in French and English. Investigation of various currents of 20th century literary and aesthetic criticism as practiced in France.
3 hrs3 cr.

FREN 25600 - Dream and Image (W)

GER 3/A
Conducted in English. Analysis of literary representations of dreams. Exploration of the relationship between word and image in French Literature. Such authors as Flaubert, Maupassant, Nerval and Proust.
3 hrs3 cr.

FREN 25700 - Literary Cross-Currents

Conducted in English. Topics: Interaction of French and Russian literature, of French and American literature; the myth of Germany in French literature; Shakespeare in France; Dante and French literature.
prereq: reading knowledge of French
3 hrs3 cr.

FREN 25800 - French Poetry in Translation

Conducted in English. Study of major themes, theories and texts from 16th century to contemporary period.
3 hrs3 cr.

FREN 25900 - French Theatre in Translation

PD/D
Conducted in English; readings in English. Development of French theatre from 17th to 20th century. Great plays that have become known in English translation.
3 hrs3 cr.

FREN 26000 - French Novel in Translation (1600-1900)

PD/D
Readings in English; conducted in English. Development and evolution of French novel; its relationship to other literary genres.
3 hrs3 cr.
FREN 26100 - Modern French Novel in Translation (1900-Present)
PD/D
Conducted in English; readings in English. From Gide and Proust to present.
3 hrs 3 cr.

FREN 26200 - Perspectives on Women in French Literature
GER 3/A PD/C or D
The representation of women in literary texts from the Middle Ages to the present. Conducted in English. Readings in English translation.
3 hrs 3 cr.

FREN 27500 - Introduction to French Literature
PD/D
Conducted in French. Introduction to literary texts and analysis using outstanding works of French literature in all genres from across centuries. Emphasis on reading comprehension and explication de texte.
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 31100 - Advanced French Grammar
prereq: FREN 20200
3 hrs 3 cr.

FREN 31200 - French Oral and Written Expression
prereq: FREN 20200 or equiv.
3 hrs 3 cr.

FREN 32100 - French Translation
prereq: FREN 20200 or equiv.
3 hrs 3 cr.

FREN 33500 - French Culture I
PD/D
Main intellectual and artistic currents from the Gauls to the French Revolution. Conducted in French.
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 33600 - French Culture II
PD/D
Main intellectual and artistic currents from the French Revolution to 1958. Conducted in French.
prereq: FREN 20200 or four years of high school French
3 hrs3 cr.

FREN 33700 - Contemporary French Culture

Contemporary French civilization and culture from 1958 to the present, as seen in its press. World events observed through the lens of French culture and politics. Comparison of current events coverage by French and U.S. Press.
prereq: FREN 31100 or 31200 or perm instr.
3 hrs3 cr.

FREN 34100 - Survey of French Literature from the Middle Ages to the End of the 17th Century

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

FREN 34300 - Medieval and Renaissance French Literature

GER 3/A PD/D
From medieval epics, lyrical poetry and mystery plays to writers such as See, Du Bellay, Ronsard, Rabelais and Montaigne.

FREN 34100 and 34200 are prerequisite to all courses numbered 34300 and above.
3 hrs3 cr.

FREN 34400 - 17th Century French Literature

GER 3/A PD/D
Such authors as Boileau, Bossuet, Corneille, Cyrano de Bergerac, La Bruye, Mme de Lafayette, La Fontaine, Malherbe, Moliere, Pascal, Racine, Mme de Sign Saint Simon.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 34600 - 18th Century French Literature

GER 3/A PD/D
Such authors as Beaumarchais, Buffon, Ch'nier, the Encyclopedists, Diderot, Laclous, Marivaux, Montesquieu, Provost, Rousseau, Sade, Voltaire.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 34800 - 19th Century French Literature (1800-1850)
GER 3/A PD/D
Such authors as Balzac, Chateaubriand, Constant, Gautier, Hugo, Lamartine, Musset, Sand, Mme de Sta, Stendhal, Vigny.

FREN 34100 and 34200
3 hrs 3 cr.

FREN 34900 - 19th Century French Literature (1850-1900)

GER 3/A PD/D
Such authors as Barbey durevilly, Barr's, Baudelaire, Daudet, Flaubert, France, Huysmans, Leconte de Lisle, Mallarm, Maupassant, Renan, Rimbaud, Sainte-Beuve, Taïne, Verlaine, Villiers de Isle-Adam, Zola.

prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 35000 - 20th Century French Literature (1900-1950)

GER 3/A PD/D
Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, Pguy, Proust, Sartre.

prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 35100 - Contemporary French Literature (1950-present)

GER 3/A PD/D
Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Kolt's, NDiaye, Perec, Redonnet, Robbe-Grillet, Sarraute.

prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 35300 - Survey of Francophone Literature

GER 3/A
A study of literature produced in French-speaking regions and nations (other than France) such as North and West Africa, the Caribbean, Vietnam and Quebec.

prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36000 - French Literature: Special Topics

GER 3/A PD/D

prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36100 - Middle Ages and the Renaissance: Special Topics

GER 3/A PD/D

prereq: FREN 34100 and 34200
3 hrs 3 cr.
FREN 36200 - The 17th Century: Special Topics

GER 3/A PD/D
3 hrs 3 cr.

FREN 36300 - The 18th Century: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36400 - The 19th Century: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36500 - The 20th Century: Special Topics

GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36600 - French Cinema: Special Topics

GER 3/A PD/D
Topics to be offered may concern historical, thematic, or aesthetic issues in French-language cinema
prereq: FREN 34100 and FREN 34200 or equivalent
4 hrs 3 cr.

FREN 37500 - Seminar in French Literary History

GER 3/A PD/D
Readings, discussion and reports.
prereq: FREN 34100 and 34200; five courses in French major
3 hrs 3 cr.

FREN 39900 - Second Language Acquisition

prereq: at least three courses at the 300 level in the language; ENGL 12000
3 hrs 3 cr.

FREN 49100 - Honors Course in French

PD/D
Open to Jr/Sr only. Research in history of French literature.
prereq: FREN 34400, 34600, 34800; major GPA 3.2, cum GPA 2.8; perm adviser
3 hrs 3 cr.
FREN 49500 - Independent Study in French Literature

prereq: perm adviser
1-3 cr.

Romance Languages, Division II: Italian

ITAL 10100 - Elementary Italian I

Language lab. Not credited without ITAL 10200.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
3 hrs3 cr.

ITAL 10200 - Elementary Italian II

Language lab.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 10100 or one yr high school Italian
3 hrs3 cr.

ITAL 10251 - Elementary Italian Conversation

Not credited toward language requirement. Elementary Italian conversation at the 2nd-semester level.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
coreq: ITAL 10200 or perm instr.
2 hrs2 cr.

ITAL 10300 - Intensive Elementary Italian

Equivalent to material covered in 101 and 102. Language lab mandatory.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.
6 hrs6 cr.

ITAL 20100 - Intermediate Italian I

Language lab mandatory.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 10200 or 2 yrs high school Italian
3 hrs3 cr.

ITAL 20200 - Intermediate Italian II
Language lab mandatory.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ITAL 201 or three yrs high school Italian
3 hrs 3 cr.

ITAL 20300 - Intensive Intermediate Italian

Equivalent to material covered in 20100 and 20200. Language lab mandatory.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 10200 or 10300
6 hrs 6 cr.

ITAL 22100 - Italian for Oral Communication

A highly interactive course developing oral communication skills in Italian; includes practice in the written language and the study of culture.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 20200 or perm dept.
3 hrs 3 cr.

ITAL 26000 - Modern Italian Short Story (W)

GER 2/C PD/D
In English. Study of the main literary trends in short story form, including Naturalism, Neorealism, Existentialism and Surrealism.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ENGL 120 or equiv.
3 hrs 3 cr.

ITAL 27500 - Masterpieces of Italian Literature

In English. Selections from Dante to Leopardi. Strongly recommended before taking any 300-level course.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs 3 cr.

ITAL 27600 - Dante's Divine Comedy in English (W)

GER 3/A PD/D
Introduction to Dante's Divine Comedy, with particular emphasis on the Inferno.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs 3 cr.

ITAL 28000 - The Italian Renaissance: An Introduction
In English. An introduction to the literature of the Italian Renaissance and the major humanist figures in art, politics, philosophy and science.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs 3 cr.

ITAL 31100 - Advanced Italian Grammar

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 20200 or equiv.
3 hrs 3 cr.

ITAL 31200 - Advanced Italian Composition

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 31100 or equiv.
3 hrs 3 cr.

ITAL 32100 - Italian Translation

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ITAL 311 or equiv.
3 hrs 3 cr.

ITAL 33100 - Italian Phonetics and Diction

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ITAL 202 or equiv.
3 hrs 3 cr.

ITAL 33400 - Italian Civilization in the Baroque, in English

An introduction to the main artistic, philosophical, scientific and literary achievements in Italy in the 17th century.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 22000 or AFPL 23500, 23600 or 23700 or any courses in literature in translation
3 hrs 3 cr.

ITAL 33500 - Italian Culture I

In English. Main intellectual-artistic currents from the 12th to 15th century.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
**ITAL 33600 - Italian Culture II**

**GER 2C**

In English. Main intellectual-artistic currents from the 16th to 20th century.  
*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*  
prereq: ENGL 120  
3 hrs 3 cr.

**ITAL 33700 - Italian Women Writers from the Middle Ages to the 18th Century, in English**

**GER 2C PD/C**

Study of such writers of prose and poetry as St. Catherine of Siena, La Compiuta Donzella, Veronica Gambara, Gaspara Stampa, Vittoria Colonna, Diodada Saluzzo.  
*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*  
prereq: ENGL 12000  
3 hrs 3 cr.

**ITAL 33800 - 19th and 20th Century Italian Women Writers, in English**

**GER 3/A PD/C**

Study of such representative writers as Sibilla Aleramo, Elsa Morante, Natalia Ginzburg, Dacia Maraini, Margherita Guidacci, Maria Luisa Spaziani.  
*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*  
prereq: ENGL 12000  
3 hrs 3 cr.

**ITAL 33900 - Italian American Women Writers and Artists: Issues of Identity (W)**

**GER 3/A PD/C**

In English. An active exploration of feminine Italian American identity through literature, film and visual arts.  
*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*  
prereq: ENGL 12000  
3 hrs 3 cr.

**ITAL 34100 - Introduction to Italian Literature from the Middle Ages to the 16th Century**

**GER 3/A**

Selections from Dante to Ariosto.  
*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*  
prereq: ITAL 20200  
3 hrs 3 cr.
ITAL 34200 - Introduction to Italian Literature from the 16th Century to the Present

GER 3/A PD/D
Selections from Tasso to contemporary writers.
*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*
prereq: ITAL 20200
3 hrs 3 cr.

ITAL 34300 - Dante's Vita Nuova and Inferno

GER 3/A PD/D
*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 34400 - Dante's Purgatorio and Introduction to Paradiso

GER 3/A PD/D
*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*
prereq: ITAL 34300
3 hrs 3 cr.

ITAL 34500 - Dante's Paradiso and Major Prose Works

GER 3/A PD/D
*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*
prereq: ITAL 34300
3 hrs 3 cr.

ITAL 34600 - Petrarch, Boccaccio and the Literature of Humanism

GER 3/A PD/D
Il Canzoniere and Il Decameron.
*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 34700 - 16th Century Italian Literature

GER 3/A PD/D
Study of such authors as Ariosto, Castiglione, Guicciardini and Machiavelli.
*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*
prereq or coreq: ITAL 34100
3 hrs 3 cr.
ITAL 34800 - 17th and 18th Century Literature

GER 3/A PD/D
Study of such authors as Tasso, Goldoni and Alfieri.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 34900 - The Modern Italian Lyric

GER 3/A PD/D
From Leopardi to contemporaries.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 35000 - The Modern Italian Novel

GER 3/A PD/D
Novel from Manzoni to present.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 35100 - The Modern Italian Theatre

GER 3/A
Plays of Goldoni, Manzoni, Alfieri, d'Annunzio, Pirandello, Betti and contemporaries.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 35200 - The Italian Novel and Cinema

GER 3A
Selected works by 20th century writers - in English translation - and the movies they inspired, with particular attention to theme, milieu, perspective, genre, stylistic techniques, and aesthetic results.

prereq: ENGL 22000 or perm. instr.
4 hrs 3 cr.

ITAL 36000 - The Middle Ages: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
ITAL 36100 - The Renaissance: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 36200 - The 17th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 36300 - The 18th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 36400 - The 19th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 36500 - The 20th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 37000 - Italian Literature: Special Topics

GER 3/A
Topics to be offered may include individual authors, themes, genres, movements, or approaches.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34100 or 34200 (depending on topic)
3 hrs 3 cr.
ITAL 37500 - Seminar in Italian Literary History

Strongly recommended for all Italian majors. Readings, discussion and reports.  
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.  
prereq: ITAL 34100, 34200  
3 hrs3 cr.

ITAL 39900 - Second Language Acquisition

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.  
prereq: at least three courses at the 300 level in the language; ENGL 12000  
3 hrs3 cr.

ITAL 49100 - Honors Course in Italian

Open to Jr/Sr only. Major GPA of 3.2 and cumulative GPA of 2.8.  
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.  
prereq: at least five courses in Italian literature and civilization; perm chair  
3 hrs3 cr.

ITAL 49500 - Independent Study in Italian Literature

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.  
prereq: perm dept. adviser  
1-3 cr.

Romance Languages, Division III, Spanish—First-Level Language Courses

Basic language courses offer two options to language study: a) Spanish for English speakers (SPAN 10100 SPAN 10200 SPAN 20100 SPAN 20200 or intensive SPAN 10300 and SPAN 20300; or b) Spanish for native speakers (SPAN 10500 SPAN 10600 SPAN 20700 SPAN 20800)

SPAN 10100 - Elementary Spanish I

Not credited without SPAN 102. Language lab mandatory.  
Spanish for English speakers.  
3 hrs3 cr.

SPAN 10200 - Elementary Spanish II

Language lab mandatory.  
Spanish for English speakers.  
prereq: SPAN 10100 or one yr high school Spanish  
3 hrs3 cr.
SPAN 10251 - Elementary Spanish Conversation

Elementary Spanish conversation at second semester level. Not credited toward language requirement. Not open to native speakers.

*Spanish for English speakers.*

coreq: SPAN 102 or perm instr.

2 hrs 2 cr.

SPAN 10300 - Intensive Elementary Spanish

Equivalent to material covered in 10100 and 10200. Language lab mandatory.

*Spanish for English speakers.*

6 hrs 6 cr.

SPAN 10500 - Basic Reading and Writing for Native Speakers of Spanish

*Spanish for native speakers.*

3 hrs 3 cr.

SPAN 10600 - Oral and Written Skills for Native Speakers of Spanish

*Spanish for native speakers.*

prereq: SPAN 10500 or 20500 or perm dept.

3 hrs 3 cr.

SPAN 20000 - Basic Spanish Review

Designed for students whose study of Spanish has been interrupted for a minimum of four (4) yrs and who wish to continue their study of Spanish. It is not suitable for native or heritage speakers of the language. This course bridges the gap between the high elementary and intermediate levels. It provides grammar review needed for oral and written expression and emphasizes the active use of the language through task-oriented activities and discussion of cultural and literary texts.

*Spanish for English speakers.*

prereq: dept. placement exam, three yrs high school Spanish or three sems college Spanish

3 hrs 3 cr.

SPAN 20100 - Intermediate Spanish I

Language lab mandatory.

*Spanish for English speakers.*

prereq: SPAN 10200 or two yrs high school Spanish

3 hrs 3 cr.

SPAN 20200 - Intermediate Spanish II

Language lab mandatory.

*Spanish for English speakers.*

prereq: SPAN 20100 or three yrs high school Spanish

3 hrs 3 cr.
SPAN 20300 - Intensive Intermediate Spanish

Language lab mandatory.
Spanish for English speakers.
prereq: SPAN 10200, two yrs of high school Spanish or equiv. to material covered in 20100 and 20200
6 hrs6 cr.

SPAN 20700 - Intermediate Spanish for Native Speakers

Spanish for native speakers.
prereq: SPAN 10600, 20600 or perm dept.
3 hrs3 cr.

SPAN 20800 - Advanced Spanish for Native Speakers

Spanish for native speakers.
prereq: SPAN 20700 or perm dept.
3 hrs3 cr.

SPAN 21000 - Spanish for Social Service Fields

Spanish for English speakers.
prereq: SPAN 20100 or equiv.
3 hrs3 cr.

Romance Languages, Division III, Spanish—Second-level Courses

Second-level courses are recommended for students pursuing for further studies in Spanish, minoring in Spanish or preparing to major in Spanish.

SPAN 21100 - Spanish Grammar and Composition

Not recommended for fluent speakers of Spanish. Study of grammatical and syntactical patterns. Practice in reading, writing and speaking Spanish.
prereq: SPAN 20200 or 20300
3 hrs3 cr.

SPAN 21200 - Spanish for Classroom Communication

prereq: SPAN 20100 or equiv.
3 hrs3 cr.

SPAN 22100 - Spanish for Oral Communication

Not for fluent Spanish speakers.
prereq: SPAN 20200 or equiv. and perm adviser
3 hrs3 cr.
SPAN 27000 - Spanish Composition for Spanish Speaking Students

prereq: SPAN 20800 or perm adviser
3 hrs 3 cr.

SPAN 27500 - Readings in Modern Spanish Literature

PD/D
Representative writers: Unamuno, Lorca, Cela.
prereq: SPAN 20200, 20300, 20800, 21100 or four yrs high school Spanish or dept. perm
3 hrs 3 cr.

SPAN 27600 - Readings in Modern Spanish-American Literature

Representative writers: Borges, Neruda, Cortazar, Garcia Márquez.
prereq: SPAN 20200, 20300, 20800, 21100 or four yrs high school Spanish or dept. perm.
3 hrs 3 cr.

Romance languages, Division III, Spanish—Third-level Courses

Third-level courses are designed for students who want to major in Spanish or are highly qualified and are accepted by the Spanish adviser. SPAN 31100 SPAN 31200 SPAN 31300 SPAN 31400 SPAN 31500 are designed to prepare students to write professionally. SPAN 31100 and SPAN 31200 are required for all Spanish majors and recommended for other qualified students who have completed first-level courses.

SPAN 31100 - The Structure of Modern Spanish

prereq: SPAN 20200, 20300, 20800, 21100 or equiv.
3 hrs 3 cr.

SPAN 31200 - Advanced Spanish Writing

Applying morphosyntactical patterns through intensive composition. Exploration of various writing forms. Required of all Spanish majors.
prereq: SPAN 31100 or equiv.
3 hrs 3 cr.

SPAN 31300 - Spanish Stylistics

Practice in Spanish writing through stylistic analysis of poetic and narrative structures and the relationship of text and context.
prereq: ENGL 12000; SPAN 31100, 31200, 34100, 34200
3 hrs 3 cr.

SPAN 31400 - Spanish Writing Workshop I: Poetry
Creative self-expression in Spanish through writing poetry.
\textit{prereq: ENGL 12000; SPAN 31100, 31200, 31300, 34100, 34200}
3 hrs3 cr.

**SPAN 31500 - Spanish Writing Workshop II: Narrative**

Creative self-expression in Spanish through writing narrative.
\textit{prereq: ENGL 12000; SPAN 31100, 31200, 31300, 34100, 34200}
3 hrs3 cr.

**SPAN 32100 - Spanish Translation**

\textit{prereq: SPAN 31100, 31200; ENGL 12000}

**SPAN 33500 - Spanish Civilization**

GER 3/A PD/D
\textit{prereq: SPAN 20800, 21100 or dept. perm}
3 hrs3 cr.

**SPAN 33600 - Latin American Civilization**

GER 3/A
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in Spanish.
\textit{prereq: SPAN 20800, 21100 or dept. perm}
3 hrs3 cr.

**SPAN 34100 - Introduction to Hispanic Literature I**

GER 3/A PD/D
Prerequisite or corequisite to most courses in major sequence. Basic interpretive and research skills for Spanish majors and other qualified students through study of key works of Spanish and Spanish-American authors.
\textit{prereq or coreq: SPAN 31100 or dept. perm}
3 hrs3 cr.

**SPAN 34200 - Introduction to Hispanic Literature II**

GER 3/A PD/D
\textit{prereq: SPAN 34100 coreq: SPAN 31200}
3 hrs3 cr.

**SPAN 34300 - Spanish Literature of the Middle Ages**

GER 3/A PD/D
After exploring Al Andalus’ poetry, prose and philosophy written by Muslim and Jewish authors; the Castilian epic \textit{Poema de Mio Cid}, the beginning of the Christian cult of Virgin Mary (\textit{Milagros de Nuestra Señora}), the origins of the short stories (\textit{Libro de Conde Lucanor}), and the elegy will be studied. Special attention will be given to the position of...
women since the 12th Century, especially in Libro de buen amor.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 34500 - Spanish Drama of the Golden Age

GER 3/A PD/D
Theatre of 16th and 17th centuries, Lope de Vega and Calderon.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 34600 - Cervantes

GER 3/A PD/D
Don Quijote.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 34900 - Spanish Prose of the Golden Age

GER 3/A PD/D
Principal themes and genres of prose production in Spain in the 16th and 17th centuries, with emphasis on such authors as Rojas, Santa Teresa, Cervantes, Zayas and Quevedo.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 35000 - Spanish Poetry of the Golden Age

GER 3/A PD/D
Principal forms and issues of poetic composition in Spain in the 16th and 17th centuries, with emphasis on major poets such as Garcilaso, Fray Luis, San Juan de la uz, Lope, Quevedo and Góngora.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 35300 - Spanish Neoclassicism and Romanticism

GER 3/A PD/D
Representative works of Neoclassical and Romantic periods, including costumbrismo.

prereq: SPAN 34100
3 hrs3 cr.

SPAN 35500 - Spanish Literature from Realism to World War I

GER 3/A PD/D
From Realism and Naturalism through the Generation of 1898 and Modernism.
prereq: SPAN 34100
3 hrs3 cr.
SPAN 35700 - Early 20th Century Spanish Literature

GER 3/A PD/D
Presentation of the major writers and works of the first 40 years of 20th century Spanish literature.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35800 - Post-Civil War Spanish Literature

GER 3/A PD/D
Major trends and writers since the Spanish Civil War, with particular attention to the social, cultural and political context.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36000 - Spanish-American Literature of the Colonial Period

GER 3/A
Masterpieces from the 16th to the late 18th centuries; from the age of exploration to the period of independence.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36200 - Spanish-American Romanticism, Realism and Naturalism

GER 3/A
Representative works of 19th century Spanish-American literature.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36400 - Spanish-American Modernism and Post-modernism

GER 3/A
Modernist and post-modernist authors.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36500 - Survey of Spanish-American Teatro

GER 3/A
Survey of major trends in Spanish-American dramatic literature from colonial days to the present, with emphasis on the second half of the 20th century.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36600 - Contemporary Latin American Poetry

GER 3/A
Major trends, such as Vanguardia, Brazilian Modernismo, Caribbean poetry, Anti-Poetry, Exteriorismo and popular poetry.
SPAN 36700 - Latin American Essay

GER 3/A
Exploration of the essay as an aesthetic form and its role in the social and cultural struggles that have marked Latin-American history.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36800 - Contemporary Latin American Narrative

GER 3/A
Major trends, such as the Indianist novel, Mexican Revolution, social and psychological realism, novel of the 'boom', novel of the dictator.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 37400 - Contemporary Literature and Film

GER 3/A
Conducted in Spanish. Analysis of contemporary novels from Latin America and Spain and the films based upon them
prereq: SPAN 34100 or instructor permission
3 hrs3 cr.

SPAN 37600 - Time, Love and Death in Spanish Poetry from the Middle Ages to the Postmodern Age

This course, taught in Spanish, focuses on three poetic themes (time, love and death) and on the relationship between an epoch its literary styles. It is designed for advanced students and entails the study of poems from pre-modern, modern and post-modern times. The course also explores theoretical issues related to the Romantic revolution and post modernity.
prereq: SPAN 34100, 34200
3 hrs3 cr.

Romance Languages, Division III: Spanish—Translation and Interpretation Courses

SPAN 38000 - Introduction to Translation and Interpretation Studies

Provides an introduction to basic concepts and techniques of translation and interpretation and develops a systematic approach to resolving language transference problems.
prereq: SPAN 31100 and 31200
3 hrs3 cr.
SPAN 38100 - Translation from Spanish into English

Develops proficiency in translating from Spanish into English. The student will work with a variety of general Spanish texts and develop skills for analyzing and rendering them accurately into English. In addition, s/he will examine the best ways to handle idiomatic expressions, tenses and other complex grammatical structures. S/he will become familiar with the relevant terminology and theoretical issues, as well as learn how to select and evaluate dictionaries and other research materials.

prereq: SPAN 38000
3 hrs 3 cr.

SPAN 38200 - Consecutive Interpretation Spanish-English/English-Spanish

An overview of the principles of consecutive interpretation.

prereq: SPAN 38000
3 hrs 3 cr.

SPAN 38300 - Translation from English into Spanish

Reinforces the basic principles of translation taught in SPAN 3800 with more advanced texts, and adds a special emphasis on style and the specific demands of certain categories of texts, as well as theoretical discussion regarding choices in translation.

prereq: SPAN 38000
3 hrs 3 cr.

SPAN 38400 - Simultaneous Interpretation Spanish-English

Designed so that students may begin working directly on the skills, protocol and practice of simultaneous interpretation, analyze in detail its processes, and review the settings in which it is used.

prereq: SPAN 38000
3 hrs 3 cr.

SPAN 39000 - Translation and Interpretation for the Professions

This series of courses will focus each semester on a different professional area, such as legal, medical, business, technical-scientific, social, and literary translation.

prereq: varies by course
3 hrs 3 cr.

SPAN 39100 - Internship in Translation

Students who have completed the 39000 sequence of courses and have maintained an average of B+ or better are encouraged to take advantage of this internship. It consists of 70 hours of practical work in translation for a financial institution, law firm, translation agency, the United Nations, or other organization. In addition, the student must attend regularly scheduled meetings with the professor supervising the internship in order to discuss issues and problems in the real world of professional translation.

prereq: SPAN 38100 – 38400, 39000
3 hrs 3 cr.
SPAN 39200 - Internship in Interpretation

Students who have completed the 39000 sequence of courses and have maintained an average of B+ or better are encouraged to take advantage of this internship to train them in real-world interpreting skills in the context of court interpreting, parliamentary procedure, diplomatic etiquette, conference organization, etc. This internship consists of 70 hours of practical work in interpretation as well as frequent meetings with the professor supervising the internship in order to discuss issues and problems in the real world of professional interpretation.

prereq: SPAN 38100 – 38400, 39000
3 hrs 3 cr.

Romance Languages, Division III: Spanish—Spanish Courses taught in English

These courses are designed for students who want to become acquainted with Spanish culture. They cannot be credited toward the major and are not recommended for the minor.

SPAN 24100 - Civilization of Spain, in English

GER 2/C PD/D
An integrated presentation of Spanish civilization, combining historical with literary and other cultural aspects.
prereq: ENGL 12000
3 hrs 3 cr.

SPAN 26300 - Contemporary Spanish-American Literature in Translation

Taught in English. This course is designed for students who want to become acquainted with Spanish culture. Cannot be credited toward the major and are not recommended for the minor.
prereq: ENGL 12000
3 hrs 3 cr.

SPAN 26400 - Contemporary Spanish Literature in Translation

Cela, Lorca, Unamuno, Ortega y Gasset.
Taught in English. This course is designed for students who want to become acquainted with Spanish culture. Cannot be credited toward the major and are not recommended for the minor.
prereq: ENGL 12000
3 hrs 3 cr.

SPAN 26500 - Don Quixote (in English translation) (W)

GER 3/A, PD/D
Commentary and analysis of Cervantes' novel in its entirety, read in English translation. Examination of its main themes within the sociohistorical and literary contexts, as well as its essential role in the development of the modern novel.
Writing Intensive
prereq: ENGL 12000  
3 hours 3 credits  

**SPAN 26500 - Don Quixote in English Translation**  
GER 3/A PD/D  
Conducted in English. Commentary and analysis of Cervantes’ novel in its entirety in English translation. Examination of its main themes within their socio-historical and literary contexts, as well as its essential role in the development of the modern novel.  

prereq or coreq: ENGL 12000  
3 hrs 3 cr.  

**SPAN 26900 - Spanish American Women’s Literature and Cinema (W)**  
GER 3/A PD/A or C  
Conducted in English. An interdisciplinary approach to contemporary women's literature and cinema from Spanish America focusing on gender issues.  
Taught in English. This course is designed for students who want to become acquainted with Spanish culture. Cannot be credited toward the major and are not recommended for the minor.  
cross-listed WGS 26900  
prereq: ENGL 12000  
3 hrs 3 cr.  

**SPAN 33100 - Spanish Phonetics and Diction**  
Third-level courses are designed for students who want to major in Spanish or are highly qualified and are accepted by the Spanish adviser. SPAN 31100-31500 are designed to prepare students to write professionally. SPAN 31100 and 31200 are required for all Spanish majors and recommended for other qualified students who have completed first-level courses.  
prereq: SPAN 20200 or equiv.  
3 hrs 3 cr.  

**Romance Languages, Division III: Spanish—Special Topics and Honors**  

**SPAN 37000 - Special Topics in Spanish Literature**  
GER 3/A PD/D  
May be repeated with different topic.  
prereq: SPAN 34100; permission of adviser.  
3 hrs 3 cr.  

**SPAN 37100 - Special Topics in Spanish-American Literature**  
GER 3/A  
May be repeated with different topic.
prereq: SPAN 34100; permission of adviser.
3 hrs 3 cr.

SPAN 37300 - Problems in Criticism

GER 3/A
Major trends in contemporary literary theory and criticism.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 37500 - Seminar in Spanish Literary History

GER 3/A PD/D
Recommended for seniors. Readings, discussion and reports.
prereq: SPAN 34100, 34200
3 hrs 3 cr.

SPAN 39900 - Second Language Acquisition

prereq: at least three courses at the 300-level in the language; ENGL 12000
3 hrs 3 cr.

SPAN 49100 - Honors Course in Spanish: Special Studies in Contemporary Latin American Literature

Open to Jr/Sr only. Group meetings, conferences, oral and written reports.
prereq: major GPA of 3.2, cum GPA of 2.8; perm adviser
3 hrs 3 cr.

SPAN 49200 - Honors Course in Spanish: Special Studies in Spanish Literature

Jr/Sr only. Group meetings, conferences, oral and written reports.
prereq: major GPA of 3.2, cum GPA of 2.8; perm adviser
3 hrs 3 cr.

SPAN 49500 - Independent Study in Hispanic Literature

PD/D
prereq: perm dept.
1-3 cr.

Russian and Slavic Studies: Polish Language

POL 10100 - Elementary Polish

2 sems, 6 hrs 6 cr.
POL 10200 - Elementary Polish

*2 sems, 6 hrs*6 cr.

POL 20100 - Intermediate Polish I

*prereq: POL 10200
3 hrs*3 cr.

POL 20200 - Intermediate Polish II

*prereq: POL 20100
3 hrs*3 cr.

**Russian and Slavic Studies: Polish Literature in English Translation**

POL 25000 - Topics in Polish Literature

PD/D

Example: the 19th century Polish novel.

*3 hrs*3 cr.

POL 30000 - Independent Study in Polish Language and Literature

*3 hrs*3 cr.

**Russian and Slavic Studies: Russian Language**

RUSS 10100 - Elementary Russian

Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 101 not credited without RUSS 102.

*2 sems, 3 hrs*3 cr. *each sem.*

RUSS 10200 - Elementary Russian

Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 10100 not credited without RUSS 10200.

*2 sems, 3 hrs*3 cr. *each sem.*

RUSS 10300 - Elementary Russian for Heritage Speakers (Intensive)
Intensive study of the Russian language for heritage speakers who seek to gain literacy in the language. Two semesters in one.

6 hrs 6 cr.

**RUSS 20100 - Intermediate Russian I**

Selected readings in prose. Continued practice in written and spoken Russian. Grammar review.

*prereq: RUSS 10200 or 10300*

3 hrs 3 cr.

**RUSS 20200 - Intermediate Russian II**

Selected readings in Russian literature. Practice in oral and written expression.

*prereq: RUSS 20100*

3 hrs 3 cr.

**RUSS 20300 - Intermediate Russian for Heritage Speakers (Intensive)**

Intensive study of the Russian language for heritage students who seek to improve literacy in the language. Not open to students who have taken RUSS 20100 RUSS 20200 sequence. Two semesters in one.

*prereq: RUSS 10300 or instructor’s permission.*

6 hrs 6 cr.

**RUSS 39900 - Second Language Acquisition**

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.

*prereq: at least three courses at the 300 level in the language, ENGL 120*

3 hrs 3 cr.

**Russian and Slavic Studies: Russian courses conducted in Russian**

**RUSS 30100 - Advanced Russian I**

Speaking, writing and reading Russian. Sentence structure; oral and written reports.

*prereq: RUSS 20200 or equiv.*

3 hrs 3 cr.

**RUSS 30200 - Advanced Russian II**

GER 3/A
Reading and critical analysis of selected literary and journalistic texts. Consideration of levels of style, problems of
idiom and syntax. Written and oral reports.

prereq: RUSS 20200 or equiv
3 hrs3 cr.

**RUSS 31200 - Advanced Russian Conversation I**

Conversation and oral exercises; discussions based on readings of social and cultural interest. Introduction to oral interpreting.

prereq: RUSS 20200 or equiv.
3 hrs3 cr.

**RUSS 31300 - Advanced Russian Conversation II**

Literary, political, social, scientific vocabulary. Scholarly reports and practical exchanges on selected topics.

prereq: RUSS 20200 or equiv.
3 hrs3 cr.

**RUSS 31400 - Advanced Russian Grammar**


prereq: RUSS 20200 or equiv.
3 hrs3 cr.

**RUSS 31500 - Advanced Russian Grammar and Stylistics**

Practice in written composition; consideration of verbal aspects, cases, syntax and idiomatic language.

prereq: RUSS 20200 or equiv.
3 hrs3 cr.

**RUSS 31700 - Practical Aspects of Translation**

Introduction to techniques of translation. Translations of political, journalistic, commercial, scientific and literary texts.

prereq: RUSS 20200 or equiv.
3 hrs3 cr.

**RUSS 31800 - Advanced Translation**

Continuation of RUSS 317 on an advanced level. Further development of skills in translating diverse materials from Russian to English and from English to Russian.

prereq: ENGL 12000, RUSS 31700 or equiv; RUSS 20200 or equiv.
3 hrs3 cr.

**RUSS 31900 - Business Russian**

Increase mastery of Russian vocabulary, style and syntax for translating and composing diverse business materials in such fields as finance, insurance, litigation, advertising and labor relations. Conducted in Russian.

prereq: RUSS 20200 or equiv.
3 hrs3 cr.
Russian and Slavic Studies: Russian Literature in the Original

RUSS 24500 - Russian Folklore: Slavic Myths and Traditions

Common Slavic myths, traditions and social structures.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 24600 - Special Topics in Slavic Literature and Cultures

Sample topic: fairy tales, satire.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 32100 - Russian Short Story and Novella

GER 3/A PD/D
Analysis of various texts and readings from Gogol, Chekhov, Babel, Solzhenitsyn.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 32200 - Classical Russian Poetry

GER 3/A PD/D
Major poets from the late 18th to mid-19th century, including Lomonosov, Derzhavin, Pushkin, Lermontov and Nekrasov.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 32300 - Modern Russian Poetry

GER 3/A PD/D
Major poets of the late 19th and 20th centuries, including Fet, Tyutchev, Blok, Mayakovsky, Esenin, Pasternak, Yevtushenko.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 32400 - Literature of Kievan Rus' and Early Russian Literature through the Age of Classicism

GER 3/A
Major literary works of the Kievan period, 968 to 1237: The Primary Chronicle, The Tale of Igor's Campaign.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34000 - 19th Century Russian Literature
GER 3/A
Pushkin's Eugene Onegin, Lermontov's Hero of Our Time, Gogol's Dead Souls, Turgenev's Fathers and Sons and others.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34100 - Tolstoy and Dostoevsky

GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Anna Karenina, Dostoevsky's The Brothers Karamazov and others.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34200 - Modern Russian Literature

GER 3/A PD/D
Gorky, Mayakovsky, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34300 - Russian Theater

GER 3/A PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Pushkin, Gogol, Chekhov and others.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34400 - The Silver Age of Russian Literature

GER 3/A PD/D
Major writers and movements of years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 36000 - Russian Women Writers

GER 3/A PD/C
cross-listed WGS 36100
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 49100 - Honors Project
Open to Russian majors only. Essay.
*prereq: RUSS 20200 or equiv.*
3 hrs 3 cr.

**Russian and Slavic Studies: Russian Literature and Culture in English Translation**

**RUSS 15500 - The Culture of Old Russia**

GER 2/C PD/D
Religion, art, architecture and daily life in medieval Russia.
*prereq: ENGL 12000*  
3 hrs 3 cr.

**RUSS 15600 - Culture of Imperial Russia: the Age of Empresses**

GER 2/C PD/C
Major cultural movements of the Empire baroque, classicism, romanticism and their effect on the cultural fabric of Russia from Regent Sophia through the reign of Peter to Catherine the Great.
*cross-listed WGS 15600*  
*prereq: ENGL 12000*  
3 hrs 3 cr.

**RUSS 15700 - The Age of the Great Masters**

GER 2/C PD/D
Russian culture as shaped by the great masters of Russian literature, art and music in the late 19th and early 20th centuries.
*prereq: ENGL 12000*  
3 hrs 3 cr.

**RUSS 15800 - Contemporary Russian Culture**

GER 2/C
Survey of Russian culture from Stalin to present exploring the relationship between the arts and the state apparatus. Consideration of such figures as Pasternak, Solzhenitsyn, Yevtushenko, Prokofiev, Tarkovsky and the Taganka Theatre.
*prereq: ENGL 12000*  
3 hrs 3 cr.

**RUSS 25000 - 19th Century Russian Literature in English Translation (W)**

GER 2/C PD/D
Pushkin's Eugene Onegin, Lermontov's Hero of Our Time, Gogol's Dead Souls, Turgenev's Fathers and Sons and others.
*prereq: ENGL 12000*  
3 hrs 3 cr.
RUSS 25100 - Tolstoy and Dostoevsky in English Translation (W)

GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Dostoevsky's The Brothers Karamazov and others.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25200 - Modern Russian Literature in English Translation (W)

GER 2/C PD/D
Gorky, Mayakovsky, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25300 - Russian Theater in English Translation (W)

GER 2/C PD/D
Development of Russian drama and theater from early 19th century to present. Gogol, Chekhov, Pushkin, Gogol and others.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25400 - The Silver Age of Russian Literature in English Translation (W)

GER 2/C PD/D
Major writers and movements of the years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25500 - Russian Folklore, in Translation (W)

GER 2/C PD/D
Common Slavic myths and traditions.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25600 - Special Topics in Slavic Literatures and Cultures in English Translation

PD/D
Examples: the Russian cinema, Nabokov.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25700 - Masterpieces of Russian Literature in English Translation
Examples: Chekhov's short stories or plays, Nabokov.
*prereq: ENGL 12000
1 hr 1 cr.*

**RUSS 25800 - Masterpieces of Russian Literature in English Translation**

Example: Pasternak's Dr. Zhivago.
*prereq: ENGL 12000
1 hr 1 cr.*

**RUSS 25900 - Masterpieces of Russian Literature in English Translation**

Examples: Solzhenitsyn's Gulag, Pushkin stories, Gogol stories.
*prereq: ENGL 12000
1 hr 1 cr.*

**RUSS 26000 - Russian Women Writers in English Translation (W)**

GER 3/A PD/C
*cross-listed WGS 26000 (W)
prereq: ENGL 12000
3 hrs 3 cr.*

**RUSS 27000 - Soviet and Post-Soviet Cinema and Society (W)**

GER 2/C
Exploration of how Soviet cinema affected the cultural aesthetic sensibilities of the Russian people through its influence on Russian literature, theater and painting. Analysis of works of film directors, film theoreticians, writers, theatrical directors and artists.
*3 hrs 3 cr.*

**RUSS 29300 - Folklore in Translation: A Comparative Study**

PD/A
Folklore of Australia, Oceania, Europe, Africa, North and South America and the Near East will be read in juxtaposition to Russian folklore.
*prereq: ENGL 120
3 hrs 3 cr.*

**RUSS 29400 - Folklore and Literature (W)**

GER 3/A PD/D
Students will be introduced to basic concepts of literature and folklore to increase, through a comparative study, their understanding and appreciation of both art forms. Works in English of major Russian writers such as Pushkin, Gogol and Pilnyak will be read in juxtaposition with folklore genres in search of how literary texts mirror folklore subjects. European, African and South American literature and folklore will be introduced or comparative purposes.
*prereq: ENGL 12000
3 hrs 3 cr.*
RUSS 29500 - The Vampire in Lore and Literature

GER 2/C
Comparative study of the vampire in various folk and literary traditions from ancient Greece to the 21st century.
prereq: ENGL 22000
3 hrs3 cr.

RUSS 29600 - Vladimir Nabokov Between Two Cultures

GER 3/A
Nabokov as a bilingual writer, including major works originally written in Russian and in English: Priglashenie na kazn’ (Invitation to a Beheading); Dar (The Gift); Drugie Berega (Other Shores); Speak, Memory; Pnin; Lolita and Pale Fire.
prereq: ENGL 22000 or perm dept.
3 hrs3 cr.

RUSS 29700 - The Russian Urban Novel in English Translation (W)

GER 3/A
The interaction of a theme (the city) and a genre (the novel). Crime and Punishment, The Master and Margarita, We and others in their comparative context.
prereq: ENGL 22000 or perm dept.
3 hrs3 cr.

RUSS 37000 - Independent Study in Slavic Literatures and Cultures

prereq: ENGL 120
3 hrs3 cr.

Russian and Slavic Studies: Ukrainian

UKR 30000 - Independent Study in Ukrainian Language and Literature
3 hrs3 cr.

Sciences and Mathematics

SCI 20000 - Introduction to Biomedical Research

Designed specifically for students interested in entering the Minority Biomedical Research Support (MBRS) and Minority Access to Research Careers (MARC) programs, although open to all qualified students. Seminars/lectures.
Research opportunities with participating faculty in MBRS/MARC programs. Career goals in biomedical and behavioral sciences, instruction in the preparation of literature searches in science, and data collection and analysis.
Writing of scientific papers and presentation of oral reports. Visiting scientists will discuss their research. Not credited toward major or minor. Term paper required. May be repeated up to 4 times.
prereq: perm instr. and BIO 10000 or CHEM 10200
2 hrs1 cr.

SCI 30200 - Ethical Conduct in the Natural and Physical Sciences

GER 3/B
Case studies of ethical issues in scientific research and education, including fraud, misrepresentation and negligence in scientific reporting. Term paper required.
prereq: 2 yrs lab science (BIOL 10000, 10200; CHEM 10200, 10300, 10400, 10500; PHYS 11000, 12000; or equiv.)
prereq or coreq: lab research experience in natural or physical sciences
2 hrs2 cr.

SEEK

ACSK 00300 - Pre-Anatomy and Physiology I

Overview of physical and biological sciences. Topic include body as a whole, locomotion and support, body maintenance, distribution of energy sources and nutrients. Medical terminology and comprehension are stressed.
prereq: perm dept.
4 hrs0

ACSK 01900 - Basic Skills for Chemistry

Math tools applied to problem solving in measurements, heat calculations, gases, and stoichiometry; chemistry of elements; nomenclature; bonding; properties of solutions.
prereq: perm dept.
4 hrs0

ACSK 06500 - Orientation for Success

Required of all SEEK freshmen. Emphasis on adjustment to college, personal growth, and development of academic skills.
2 hrs0

Social Sciences

The following elective courses are interdisciplinary electives offered occasionally by departments in the social sciences. Specific topics will be listed in the Schedule of Classes for each semester, intended as enrichments of the general liberal arts curriculum. They focus on broad issues of continuing importance that require multifaceted but integrated treatments from several disciplinary perspectives. At this time, they are not part of a formal program leading to a designated specialization.

Note: None of the interdisciplinary courses in the social sciences may be used toward the GER.

SOSC 29700 - Special Topics in the Social Sciences
Not offered at all times. Specific topics will be listed in Schedule of Classes for given semester.

**prereq:** variable
3 hrs 3 cr.

**SOSC 39700 - Studies in the Social Sciences**

Not offered at all times. Specific topics will be listed in Schedule of Classes for given semester.

**prereq:** variable
3 hrs 3 cr.

**SOSC 49800 - Internship**

Placement in appropriate off campus settings on an individual basis.

*Variable hrs 1 to 6 cr.*

**Sociology: Lower Division**

**SOC 20100 - The Family**

GER 3/B PD/C
Family functions and interaction. Factors affecting stability and instability.

*cross-listed WGS 22300*

**prereq:** SOC 10100
3 hrs 3 cr.

**SOC 20300 - Education**

GER 3/B
Education viewed cross-culturally and historically. Schools and colleges as social systems.

**prereq:** SOC 10100
3 hrs 3 cr.

**SOC 20500 - Religion**

GER 3/B
Comparative study of religion in human societies. Analysis of beliefs, myths and sacred attitudes.

**prereq:** SOC 10100
3 hrs 3 cr.

**SOC 20900 - Arts in Modern Society**

GER 3/B
Art as a universal social institution and as the expression of symbolic world of cultural life.

**prereq:** SOC 10100
3 hrs 3 cr.

**SOC 21100 - Urban Sociology**
GER 3/B
The relationships of space and society, with special attention to the nature and problems of urban life.
prereq: SOC 10100
3 hrs3 cr.

SOC 21300 - Political Sociology
GER 3/B
Power, authority, political ideologies, and patterns of participation. Articulation and resolution of political issues in contemporary societies in the context of globalization.
prereq: SOC 10100
3 hrs3 cr.

SOC 21700 - Race and Ethnicity
GER 3/B PD/B
Dominant-subordinate relations among selected groups: Asians, Blacks, Hispanics, Jews, Indians, White ethnics.
prereq: SOC 10100
3 hrs3 cr.

SOC 21800 - Social Inequality
GER 3/B
Examination of social inequality in contemporary society from various empirical and theoretical perspectives focusing on class, ethnic, gender, and other determinants of stratification.
prereq: SOC 10100
3 hrs3 cr.

SOC 21900 - American Society (W)
GER 3/B
Analysis of social structures and culture of the contemporary USA.
prereq: SOC 10100, ENGL 12000
3 hrs3 cr.

SOC 22100 - Classical Sociological Theory
GER 3/B PD/D
Classical theorists and their contributions.
prereq: SOC 10100
3 hrs3 cr.

SOC 22300 - Current Sociological Theory
GER 3/B
Significance of concepts and nature of evidence applied to leading theories. Theory construction.
prereq: SOC 10100, SOC 22100, major
3 hrs3 cr.

SOC 22500 - Seminar in Selected Problems of Sociology
SOC 23100 - Introduction to Social Work Profession

GER 3/B
Introduction to and critical analysis of the social work profession in American society.
prereq: SOC 10100
3 hrs 3 cr.

SOC 23500 - Community Organization and Action

GER 3/B
Evaluation of specific local and national action programs.
prereq: SOC 10100
3 hrs 3 cr.

SOC 23700 - Social Welfare Policy

GER 3/B
Development of welfare institutions. Consequences of welfare services for client and community.
prereq: SOC 10100
3 hrs 3 cr.

SOC 23900 - Child Welfare (W)

GER 3/B
Historical and contemporary perspectives on the impact of poverty on children and the social policies that deal with it.
cross-listed WGS 23900 (W)
prereq: SOC 10100, ENGL 12000
3 hrs 3 cr.

SOC 24000 - Introduction to Research Methods

GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.
prereq: SOC 10100
3 hrs 3 cr.

SOC 24100 - Social Statistics

GER 3/B
Application of elementary statistical techniques. Introduction to statistical inference and sampling theory.
prereq: SOC 10100
3 hrs 3 cr.

SOC 25100 - Interpersonal Behavior
GER 3/B
Study of interactional processes and the emergence and maintenance of selves and identities.
prereq: SOC 10100
3 hrs3 cr.

SOC 25300 - Deviance and Social Control

GER 3/B
Theories of causation and analysis of particular types of deviance: sexual, criminal, political.
prereq: SOC 10100
3 hrs3 cr.

SOC 25500 - Youth and Adulthood

GER 3/B
Youth and adult modes of adaptation, socialization, intergenerational relations, and career possibilities.
prereq: SOC 10100
3 hrs3 cr.

SOC 25700 - Sex and Gender Roles

GER 3/B PD/C
Sex role differentiation: femininity, masculinity, marriage, child rearing.
cross-listed WGS 25700
prereq: SOC 10100
3 hrs3 cr.

SOC 25900 - Mass Media, Communication and Public Opinion (W)

GER 3/B
Impact of mass media on public opinion and government action.
prereq: SOC 10100 ENGL 12000
3 hrs3 cr.

Sociology: Upper Division

SOC 30100 - Medical Sociology

GER 3/B
Social and cultural factors related to health. Organization of health care services, social structure of the hospital.
prereq: SOC 10100
3 hrs3 cr.

SOC 30700 - Migration

GER 3/B PD/B
Economic, demographic, political and cultural factors influencing migration and the consequences of migration.
SOC 30900 - Social Movements and Social Change (W)

GER 3/B
Analysis of emerging groups inducing or resisting social change often using unconventional means in historical and/or international perspective.
prereq: SOC 10100
3 hrs3 cr.

SOC 31100 - Population Dynamics

GER 3/B
Comparative analysis of fertility, mortality, migration trends, and related social factors.
prereq: SOC 10100
3 hrs3 cr.

SOC 31300 - Consumer Behavior

GER 3/B
Individual and social perspectives on consumer decision making. Social patterns of consumption and consumer social movements.
prereq: SOC 10100
3 hrs3 cr.

SOC 31400 - Culture and Consumption

GER 3/B
The structure and patterning of everyday life as concerned with material well-being. Symbolic and moral dimensions of food and living arrangements, as well as commerce and the marketplace.
prereq: SOC 10100
3 hrs3 cr.

SOC 31500 - Work and Society (W)

GER 3/B
Work in market economies, mechanisms of control and sources of stratification, gender and ethnic factors, role of education and trade unions.
cross-listed WGS 31500
prereq: SOC 10100
3 hrs3 cr.

SOC 31700 - Class, Status, and Power

GER 3/B
Inquiry into the empirical and conceptual relation between the fundamental sociological constructs of 'class', 'status', and 'power' through a case study of the upper class in the United States. Review of current research and relevant theoretical approaches.
SOC 31800 - Sociology of Human Rights in Latin America

GER 3/B
Types of societies in which human rights are respected or violated with special emphasis on Latin American regimes in the last two decades. Human rights and diversity the rights of women and minorities. Movements to protect human rights. The emphasis is on actual social conditions which foster or impede the observance and protection of human rights.

prereq: SOC 10100
3 hrs3 cr.

SOC 31900 - Criminology

GER 3/B
Criminal behavior, arrest, and punishment. Problems of definition, administration of criminal justice.

prereq: SOC 10100
3 hrs3 cr.

SOC 32000 - Law, Society and Civil Rights

GER 3/B
Examines from a sociological perspective the concept of law, and legal institutions and their relationship to society and culture, concentrating on the struggle for civil rights in America.

prereq: SOC 10100
3 hrs3 cr.

SOC 32100 - Sociology of Organizations

GER 3/B
Organization, structure, and processes; relationship between individual and organization.

prereq: SOC 10100
3 hrs3 cr

SOC 32200 - Drugs and Society

GER 3/B
The course focuses on the social, cultural and historical dimensions of drug use, and treats the causes and consequences of drug use and abuse as a social –rather than bio-physical phenomenon. Course topics may include: drug use as a universal phenomenon, regulatory issues related to drugs, especially in relation to race, class and subcultures; and drugs as a media phenomenon.

prereq: SOC 10100
3 hrs3 cr

SOC 32500 - Seminar in Selected Problems of Sociology
GER 3/B
Upper-level seminar: reading, discussion, and papers on significant problems in sociology.
prereq: SOC 10100, perm instr.
3 hrs 3 cr.

SOC 32502 - Sociology of Human Rights: Violation and Protection
GER 3/B
prereq: SOC 10100, perm instr.
3 hrs 3 cr.

SOC 32506 - Latin American Societies
GER 3/B
prereq: SOC 10100, perm instr.
3 hrs 3 cr.

SOC 32519 - Economic Development and Social Inequality in Latin America
GER 3/B
prereq: SOC 10100, perm instr.
3 hrs 3 cr.

SOC 33100 - Field Placement in Social Work Agencies
GER 3/B
Supervised work in social service agency, weekly seminar, preparation of weekly assignments and term paper.
prereq: SOC 10100, perm instr.
8 hrs per week 3 cr.

SOC 33200 - Advanced Field Placement in Social Work Agencies
GER 3/B
Supervised work in social service agency, weekly seminar, agency-based research project.
prereq: SOC 10100, SOC 33100 or documented equiv. experience in social work agency, perm instr.
8 hrs per week 3 cr.

SOC 34100 - Research Practicum
GER 3/B
Evaluates strategies and instruments available to sociologists such as socio-geographic mapping.
prereq: SOC 24000, 24100
3 hrs 3 cr

SOC 34500 - Sociology of Knowledge
GER 3/B
Systematic analysis of the social basis of knowledge.
prereq: SOC 10100
3 hrs 3 cr.
SOC 35000 - Qualitative Research Methods (W)

GER 3/B
An introduction to the most prevalent qualitative research approaches used in applied social research and sociology, including documentary analysis, participatory observation, ethnography, in-depth interviews, focus groups and related methods.
prereq: SOC 22100 or 22300
3 hrs3 cr.

SOC 36000 - Feminist Social Theory

GER 3/B PD/C
Introduces students to feminist theory developed by women from Western, Third World and other countries.
cross-listed WGS 36000
prereq: SOC 10100
3 hours3 credits

SOC 36100 - Development and Modernization (W)

GER 3/B PD/A
Examinations of models of social change with a special focus on developing countries.
prereq: SOC 10100
3 hrs3 cr.

SOC 36200 - Sociology of Islam (W)

GER 3/B
Introduction to Islam as religion and culture with emphasis on how misconceptions have permeated our understanding of Islam. Analysis from a historical perspective which serves as a framework for comprehending Islam's dogma, rituals, and legal system.
prereq: SOC 10100
3 hrs3 cr.

SOC 36300 - Social Change

GER 3/B
Process of development of institutions, communities, and nations.
prereq: SOC 10100
3 hrs3 cr.

SOC 36400 - Globalism and Nationalism

GER 3/B
This course covers the emergence, spread, and decline of global cultural identities and practices in individual nation-states. It further explores the origin, character, and vicissitudes of nationalism in the global area.
prereq: SOC 10100
3 hrs3 cr

SOC 37101 - Independent Study
GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.

**prereq:** SOC 10100, perm instr.

1 hr1 cr

**SOC 37102 - Independent Study**

GER 3/B
Completion of written assignment as proposed by student as approved and supervised by full-time faculty sponsor.

**prereq:** SOC 10100, perm instr.

2 hrs2 cr

**SOC 37103 - Independent Study**

GER 3/B
Completion of written assignment as proposed by student as approved and supervised by full-time faculty sponsor.

**prereq:** SOC 10100, perm instr.

3 hrs3 cr

**SOC 37200 - Independent Study**

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.

**prereq:** SOC 10100, perm instr.

3 cr. each sem

**SOC 42100 - Sociology of Organizations**

GER 3/B
Organization, structure, and processes; relationship between individual and organization.

**prereq:** SOC 101

3 hrs3 cr

**SOC 42500 - Seminar in Selected Problems of Sociology**

GER 3/B
Advanced seminar: reading, discussion, and papers on significant problems in sociology and in applied social research; in most cases cross-listed with graduate social research course or seminar.

**prereq:** SOC 10100, perm instr.

3 hrs3 cr

**SOC 44100 - Advanced Research Methods**
GER 3/B
Evaluates strategies and instruments available to sociologists such as socio-geographic mapping.
prereq: SOC 24000, 24100
3 hrs 3 cr.

SOC 47100 - Honors/Independent Study
GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47200 - Honors/Independent Study
GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47300 - Honors Seminar
GER 3/B
Honors paper.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47400 - Honors Seminar
GER 3/B
Honors paper.
prereq: SOC 10100, perm dept.
3 cr. each sem

SOC 49800 - Internship
GER 3/B
Open to advanced majors only. Placement of qualified sociology majors off campus in professional nonsocial service internship settings. Credits are based on analytic internship report, number of hours worked and by written evaluation by agency/company intern supervisor.
prereq: SOC 22100 or 22300 and SOC 24000; major; perm supervising full-time faculty
hrs TBA 3-6 cr.

Sociology Courses less frequently offered

SOC 20700 - Leisure, Recreation and Sports
GER 3/B
Role and social organization of leisure and recreation in traditional and modern society.
prereq: SOC 10100
3 hrs 3 cr.

SOC 21500 - Occupations and Professions

GER 3/B
Roles, structures, development of occupations and professions. Occupational socialization and professionalization.
prereq: SOC 10100
3 hrs 3 cr.

SOC 46100 - Comparative Ethnic and Race Relations

GER 3/B
Patterns of intergroup relations in various countries. Consequences of partition, separatism, pluralism, assimilation.
prereq: SOC 10100, 21700
3 hrs 3 cr.

Swahili

SWA 10100 - Swahili I

Introduction to Swahili, pronunciation and elements of grammar.
Each credit for SWA 101 is not given until SWA 102 completed
3 hrs 3 cr.

SWA 10200 - Swahili II

Introduction to Swahili, pronunciation and elements of grammar.
Each credit for SWA 10100 is not given until SWA 10200 completed
3 hrs 3 cr.

SWA 20100 - Swahili III

Grammar review, composition oral practice.
prereq: SWA 10200 or demonstrated competence in speaking and writing
3 hrs 3 cr.

SWA 20200 - Swahili IV

Review of morphology and syntax original composition, intensive oral practice.
prereq: SWA 20100 or demonstrated competence as a native speaker
3 hrs 3 cr.

Theatre: Basic Courses
THEA 10100 - Introduction to Theatre

GER 2/D
Study of elements of theatre arts acting, directing, playwriting, design from standpoints of both viewer and participant. 3 hrs 3 cr.

THEA 15100 - Introduction to Theatre Production

Lectures and practical backstage work in all aspects of production. Work on studio and major productions required. 5 hrs 2 cr.

THEA 16100 - Acting I: Basic Acting Techniques

For intended majors and non-majors. Exploration of the fundamentals of acting technique through improvisation.

coreq: 
3 hrs 3 cr.

Theatre: Intermediate Courses

THEA 21100 - World Theatre I (W)

GER 2/C PD/D
Survey of international theatre from its pre-Greek origins to the Spanish Golden Age.
prereq: ENGL 12000, THEA 10100
3 hrs 3 cr.

THEA 21200 - World Theatre II (W)

GER 2/C PD/D
Survey of international theatre from the Elizabethan period to Wagner.
prereq: ENGL 12000, THEA 10100
3 hrs 3 cr.

THEA 21300 - World Theatre III (W)

GER 2/C PD/D
Survey of international theatre from 19th-century Naturalism to the present day.
prereq: ENGL 12000, THEA 10100
3 hrs 3 cr.

THEA 21400 - Multicultural Perspectives in Theatrical Performance (W)

GER 3/A PD/B
Study of a selected minority theatre tradition in the United States: original roots, development, and influence on the cultural life of the group to be studied and on American culture in general. May be repeated for credit with a different topic.
prereq: THEA 10100
3 hrs3 cr.

THEA 21500 - Black Theatre (W)

GER 3/A PD/B
Background and development, present practice, and future possibilities of Black theatre in America.
prereq: ENGL 12000, THEA 10100
3 hrs3 cr.

THEA 25100 - Theatre Production

Practical and academic work on the departmental production.
prereq: THEA 10100 or perm instr.
5 hrs3 cr.

THEA 26100 - Acting II: Contemporary Drama

GER 3/A
Fundamentals of scene study focusing on text analysis, personalization, objective and action using American realism.
prereq: THEA 16100 or perm instr.
4 hrs3 cr.

THEA 26200 - Acting III: Contemporary Drama

GER 3/A
Continued work on scene study using realistic plays from the world repertory.
prereq: THEA 26100 or perm instr.coreq: THEA 26300
4 hrs3 cr.

THEA 26300 - Basic Voice and Movement for Performers

Freeing the natural voice; resonance and range; movement systems and skills.
coreq: THEA 26200
3 hrs2 cr.

THEA 28100 - Visual Elements of Theatre

Theory and practice of various design elements that constitute complete theatrical production. Course for actors, directors, playwrights, and others not concentrating in design. Practical work on productions included.
prereq: THEA 10100
3 hrs3 cr.

THEA 28200 - Theatrical Design Techniques

GER 3/A
Practical training in skills of drawing, painting, and model-making necessary for designing of scenery, costumes, and lights. Studio design work included. Prerequisite for all advanced design courses.
prereq: THEA 10100
THEA 28300 - Stagecraft
GER 3/A
Technical problems of production: construction, rigging, and handling of scenery. Practical work included. 
prereq: THEA 10100 
5 hrs3 cr.

THEA 28400 - Makeup for the Stage
GER 3/A
Practical instruction in use of stage makeup. 
prereq: THEA 10100 
5 hrs3 cr.

THEA 28500 - Design Concepts for Theatre, Film, and Television
GER 3/A
Theoretical and practical elements of design in theatre, film, and television. 
prereq: THEA 10100 or FILM 10100 
3 hrs3 cr.

Theatre: Upper-Level Courses

THEA 32100 - Play Analysis (W)
GER 3/A PD/D
Principles of play analysis: examination of play structure, theatrical form, and historical period. 
prereq: THEA 21100 or 21200 or 21300 
3 hrs3 cr.

THEA 32200 - Theatre Theory and Criticism (W)
GER 3/A PD/D
Major theatrical theories, with emphasis on modern, as applied to acting, design, directing, and playwriting. 
prereq: THEA 21100 or 21200 or 21300 
3 hrs3 cr.

THEA 32300 - 20th Century Aesthetics in Theatre and Film (W)
GER 3/A
Points of interaction, mutual influence, and cross fertilization between theatre and film in theory and praxis. 
prereq: THEA 21300 or FILM 21100 or 21200; ENGL 12000 
4 hrs3 cr.

THEA 32400 - Adaptation in Theatre and Film (W)
GER 3/A
Examination of examples of works adapted to the stage or seen from another medium.
prereq: THEA 32100 or FILM 21100 or 21200; ENGL 12000
4 hrs3 cr.

THEA 33100 - Avant-Garde Theatre of the 20th Century (W)
GER 3/A PD/D
Departures from realism Expressionism, Artaud, Brecht, Grotowski from Alfred Jarry to the present.
prereq or coreq: THEA 21100 or 21200 or 21300
3 hrs3 cr.

THEA 33200 - Theatre of Realism and Naturalism
GER 3/A PD/D
Plays, theory, and stagecraft of realism and naturalism movements from the late 19th century to the present.
prereq or coreq: THEA 21100 or 21200 or 21300
3 hrs3 cr.

THEA 33300 - Alternative Performance
GER 3/A PD/D
Study of performance styles and practices using theatre and/or film in non-traditional modes.
prereq: THEA 21300 or THEA 32300
3 hrs3 cr.

THEA 35100 - Theatre Workshop
Individual assignments to backstage positions in production and management of departmental presentations.
prereq: THEA 25200
5 hrs2 cr.

THEA 36100 - Acting: Departures from Realism
GER 3/A
Scene study as it applies to non realistic works such as absurdist plays, epic theatre, and expressionist works.
prereq: THEA 21100 or 21200 or 21300; THEA 26200, 26300 or perm instr.
4 hrs3 cr.

THEA 36200 - Acting: Period Drama
GER 3/A PD/D
Scene study from such periods as Greek, Elizabethan, and Restoration.
prereq: THEA 21100 or 21200 or 21300; THEA 26200, 26300 or perm instr.coreq: THEA 36300
4 hrs3 cr.

THEA 36300 - Advanced Voice and Movement for Performers
GER 3/A
Continuation of voice and movement exercises; integration into systematic approach for actors.
THEA 36400 - Mime and Masks

GER 3/A
Practical course in mime and mask exercises for actors, designed to open new avenues for emotional expression.
prereq: THEA 36300
4 hrs3 cr.

THEA 36500 - Screen Acting

GER 3/A
Fundamental techniques unique to acting in film and television.
prereq: FILM 10100, THEA 26200
4 hrs3 cr.

THEA 37100 - Directing I

GER 3/A
Principles of play production; directorial concepts; focusing audience attention on dramatic values.
prereq: THEA 2100 or 21200 or 21300, THEA 26100, 32100 or perm instr.
5 hrs3 cr.

THEA 37200 - Directing II

GER 3/A
Continued study of principles; incorporation of design elements; full laboratory production of one-act play by each student.
prereq: THEA 37100 or perm instr.
5 hrs3 cr.

THEA 37600 - Playwriting I (W)

GER 3/A
Study of problems in playwriting based on the student's own work.
prereq: THEA 10100 or perm instr.
3 hrs3 cr.

THEA 37700 - Playwriting II

GER 3/A
Continued study of playwriting techniques, with emphasis on the structure and form of the full length play.
prereq: THEA 37600 or perm instr.
3 hrs3 cr.

THEA 38100 - Scene Design I

GER 3/A
Fundamentals of design for theatre, film, and television.
THEA 38200 - Scene Design II

GER 3/A
Problems of set design for plays, musicals, ballet, opera, film, and television; scene painting.
prereq: THEA 38100
5 hrs3 cr.

THEA 38300 - Costuming for the Stage

GER 3/A
Study and practice in stage costuming; historical periods and styles; fabrics, patterns, and construction.
prereq: THEA 28100
5 hrs3 cr.

THEA 38400 - Stage Lighting

GER 3/A
Principles, techniques, and practice of lighting for theatre, emphasizing its contribution to dramatic interpretation.
prereq: THEA 28100 or FILM 25100
5 hrs3 cr.

THEA 38500 - Production Design I for Theatre, Film, and Television

GER 3/A
Theory and practice in scenic design for theatre, film, and television.
prereq: THEA 10100 or FILM 10100 and THEA 28500
4 hrs3 cr.

THEA 38600 - Production Design II for Theatre, Film, and Television

GER 3/A
Theory and practice in costume design for theatre, film, and television.
prereq: THEA 10100 or FILM 10100 and THEA 28500
4 hrs3 cr.

THEA 38700 - Concepts of Light in Theatre, Film, and Television

GER 3/A
The aesthetics, styles, conventions, and vocabulary of lighting in theatre, film, and television: how light establishes style, mood, rhythm, and atmosphere as interpretive elements of performance.
prereq: THEA 28100 or THEA 28500
3 hrs3 cr.

THEA 38800 - Theatres and Movie Palaces: Contemporary Culture

GER 3/A
Exploration of the architecture and evolution of selected 20th-century theatre and movie palaces.
prereq: THEA 21300 or FILM 21100
3 hrs3 cr.

THEA 39100 - Theatre Projects

GER 3/A
Experimental work in design or directing for advanced theatre students.
prereq or coreq: THEA 37200, 38100, perm chair
3 hrs3 cr.

Theatre: Special and Individual Studies Courses

THEA 25301 - Special Topics in Theatre Performance

GER 3/A
Credit for participation in the departmental production. This course may be taken up to three times for credit.
prereq: perm instr
5 hrs3 cr.

THEA 29700 - Special Topics in Theatre

GER 3/A
Not offered at all times. A specific topic will be listed in Schedule of Classes for a given semester.
prereq: perm dept.
1-3 hrs1-3 cr.

THEA 39700 - Studies in Theatre

GER 3/A
Not offered at all times. Specialized topics for majors will be listed in Schedule of Classes for a given semester.
prereq: variable
3 hrs3 cr.

THEA 40100 - Seminar

GER 3/A
Not offered at all times. Readings, discussion, and papers on significant problems in theatre and film.
prereq: perm dept.
3 hrs3 cr.

THEA 40200 - Independent Research

GER 3/A
Open to majors only. Directed program of reading, research, or creative presentation, arranged on an individual basis with a faculty mentor.
prereq: perm chair
1-3 hrs1-3 cr.
THEA 49800 - Internship

GER 3/A
Placement in appropriate off-campus locations, arranged on an individual basis with a faculty mentor.
prereq: perm dept.
1-6 hrs 1 – 6

THEA 49900 - Honors Project

GER 3/A
Open to majors only. Individual work under faculty supervision, qualifies student for departmental honors at graduation.
prereq: 3.5 major GPA, 2.7 overall GPA, perm chair
3 hrs 3 cr.

Theatre: Courses offered only upon sufficient student demand

THEA 24100 - Creative Dramatics

GER 3/A

THEA 24200 - Theatre for Young Audiences

GER 3/A

THEA 24300 - Theatre for Young Audiences: Laboratory

GER 3/A

THEA 24400 - Drama and Disability

GER 3/A

THEA 34100 - Creative Drama Leadership Techniques: Special Groups

GER 3/A

THEA 34200 - Creative Drama in the Community

GER 3/A

THEA 37800 - Scriptwriting for Young Audiences: Theatre, Film, and Television

GER 3/A

Thomas Hunter Honors Program
**HONS 20100 - Sophomore Honors Colloquium (W)**

PD/D  
Sample topics: Integrating the Irrational; Dante's World; Language, Learning, and Computation; Law and Literature; The Gothic; Ethics in Public Health. May be taken more than once with different topics. Some topics may meet a PD requirement; check with adviser.  
*prereq: perm dept.*  
3 hrs3 cr.

**HONS 30100 - Upper-Level Honors Colloquium (W)**

PD/D  
Sample topics: Behavior and Evolution; Greek Myth in the Arts; Energy and Environment; Politics of Southern Africa. May be taken more than once with different topics. Some topics may meet a PD requirement; check with adviser.  
*prereq: perm dept.*  
3 hrs3 cr.

**HONS 30199 - Interdisciplinary Independent Study**

*prereq: perm honors council*  
3 hrs3 cr.

**HONS 49100 - Advanced Interdisciplinary Studies**

*prereq: perm honors council*  
6 hrs6 cr.

**Urban Affairs and Planning**

**URBS 10100 - Urban Life: Personal and Observational View (W)**

GER 2/B  
Introduction to urban studies allowing students to translate personal knowledge and experience of New York City to more theoretical understanding of urbanism. Includes four projects dealing with mapping, immigration, census data analysis, and local development issues.  
3 hrs3 cr.

**URBS 10200 - Structure of Urban Region (W)**

GER 2/B  
Introduction to forces shaping institutions and life of contemporary American urban regions. Focus on evolving metropolitan economic, social, demographic, spatial, and political systems, and their relevance to current policy.  
*prereq: URBS 10100 or relevant intro course (e.g., ECO 10000 or 20100-20200; GEOG 10100, PLSC 11100, SOC 10100) or perm instr.*  
3 hrs3 cr.
URBS 20100 - Urban Plans and Policies

GER 2/B
Includes the study of the policy making process, major plans/policies (e.g. War on Poverty, urban renewal, neighborhood rezoning), “politics/power,” the role of non-profits in urban planning and policy making.

**prereq:** URBS 10200 or 6 cr. intro social science courses or perm instr.

3 hrs 3 cr.

URBS 31000 - Methods of Urban Research and Policy Analysis

GER 3/B
Survey of research skills necessary for analysis of contemporary urban issues. Includes review of data sources, methods of forecasting, use of computer, and methods of information presentation.

**prereq:** URBS 10200 or perm instr.

3 hrs 3 cr.

URBS 31100 - Quantitative Approaches to Urban Analysis

GER 3/B
A survey of quantitative methods used to analyze urban policy and plans. Students are taught about demography, data analysis, and benefits cost analysis.

**prereq:** Open only urban studies majors who have completed the URBS 10100/10200 sequence or perm instr.

3 hrs 3 cr.

URBS 40100 - Managing Urban Physical Environment

GER 3/B
Advanced study of the physical structure of cities which includes an analysis of zoning, land use, transportation, and the location of housing. The role of public and private agencies at local, state, and national levels in the planning and management of the physical environment is also considered.

**prereq:** URBS 20100 or perm instr.

3 hrs 3 cr.

URBS 40200 - Urban Social and Economic Development

GER 3/B
Detailed review of social and economic concerns confronting urban communities, focusing on major problem areas: poverty, health, crime, economic development, unemployment, and racial discrimination.

**prereq:** URBS 20100 or perm instr.

3 hrs 3 cr.

URBS 40300 - Selected Topics in Urban Affairs

GER 3/B
Intensive examination or investigation of specialized topics or new developments in literature and research.

3 hrs 3 cr.
**URBS 40354 - Seminar on the City**

GER 3/B
Provides an historical, political and economic context for the region's major policy issues. The course introduces students to the complexities of New York City's governance and its public service sectors. Students develop a framework and tools for addressing relevant questions about the functions of the city, drawing on lectures, speakers, readings, field visits, interviews and internship experiences.

*This is a 3-credit per semester course. May be repeated one time with permission of the director of public service scholar program.*

3 hrs 3 cr.

**URBS 40900 - Urban Studies Internship**

GER 3/B
Students gain first-hand experience by working in urban-related public, private, or non-profit agencies. The internships provide knowledge about urban planning or policy issues.

*Open only to declared urban studies majors within 45 credits of graduation.*

3 hrs 3 cr.

**URBS 49803 - Urban Studies Internship**

GER 3/B
Open only to declared urban studies major within 45 credits of graduation. Internship experience in urban-related public or nonprofit agency providing first-hand involvement in urban planning or policy issues, under careful supervision, in professional field setting.

3 hrs 3 cr.

**URBS 49806 - Public Service Scholar In-Service Seminar**

GER 3/B
The Public Service Scholar In-Service seminar identifies and examines the types of learning that occur in the internship, including development of skills in management, problem solving, policy analysis, networking, time management, fundraising and performance evaluation.

*This is a year-long course. Students register each semester. No credit awarded for first semester unless both semesters are successfully completed.*

6 hrs (3 per semester for two semesters) 6 cr. (3 per semester for two semesters)

**Women and Gender Studies: Required Courses**

**WGS 10000 - Introduction to Women Studies**

GER 2/B PD/C
Traditional definitions of women's nature in myth and symbol, media and popular culture, theories of gender in biology and psychology; women's role in family structures; women's relations to religion, education, health, work and politics.
Examples are cross-cultural, contemporary and historical.
3 hrs 3 cr.

**WGS 20100 - Classics in Feminist Thought (W)**

GER 3/A or B PD/C
Study of feminist thought across a variety of historical periods and cultural contexts.
prereq: WGS 10000, ENGL 12000 or equiv.
3 hrs 3 cr.

**Women and Gender Studies: Feminism**

**WGS 20900 - Women and Gender in Western Political Thought (W)**

GER 3/B PD/C or D
The history of political thought from the perspective of gender relations and the treatment of women.
cross-listed POLSC 20900
prereq: ENGL 12000 or equiv.
3 hrs 3 cr.

**WGS 21600 - Women Philosophers of the Past**

GER 3/A PD/C
Study of the writings and ideas of selected women philosophers who lived before the contemporary feminist movement.
cross-listed PHILO 21600
prereq: ENGL 12000, one course in philosophy
3 hrs 3 cr.

**WGS 23000 - Feminism: Philosophical Theory and Practice (W)**

GER 3/A PD/C
Analysis of feminist theories and their practical implications.
cross-listed PHILO 23000
prereq: ENGL 12000 and one course in philosophy
3 hrs 3 cr.

**WGS 24400 - Transnational Feminisms**

GER 3/A or B PD/C
Exploring the gender dynamics of racial, ethnic, and economic relations of power in domestic, international, and transnational settings. We will examine feminist scholarship produced by and about American women of color, Third World women, and other social and political actors whose experiences and thinking have shaped contemporary ideas about gender in different parts of the world.
prereq: WGS 10000, ENGL 12000
3 hrs 3 cr.
WGS 30900 - Feminist Political Theory
GER 3/B PD/C
Readings in feminist ideas, both historical and contemporary, on issues of power, justice and equality. The course will emphasize different perspectives, including those of liberal, radical, postmodernist, women of color, third world and global feminists.
cross-listed POLSC 30900
prereq: ENGL 12000
3 hrs 3 cr.

WGS 36000 - Feminist Social Theory
GER 3/B PD/C
An introduction to feminist theory developed by women from Western, Third World and other countries.
cross-listed SOC 36000
prereq: SOC 10100 or perm instr.
3 hrs 3 cr.

Women and Gender Studies: Gender and Sexuality

WGS 15000 - Introduction to LGBTQI Studies
GER 2/B PD/C
Psychological foundations, sexual development and response patterns; male and female roles; individual and social attitudes, legal issues.

3 hrs 3 cr.

WGS 17000 - Psychology of Human Sexuality
GER 2/B PD/C
Psychological foundations, sexual development and response patterns; male and female roles; individual and social attitudes, legal issues.
cross-listed PSYCH 17000
prereq: PSYCH 10000
3 hrs 3 cr.

WGS 19000 - Development of Gender Roles
GER 2/B PD/C
Social, cognitive, hormonal and personality factors in development of gender roles; determinants of behavioral and cognitive gender differences.
cross-listed PSYCH 19000
3 hrs 3 cr.

WGS 25700 - Sex and Gender Roles
GER 3/B PD/C
Sex role differentiation: femininity, masculinity, marriage, child rearing.
*cross-listed* SOC 25700
*prereq:* SOC 10100 or perm instr.
3 hrs 3 cr.

**WGS 28700 - Masculinities**

GER 3/B P/D C
The aim of this course is for students to develop an understanding of how knowledge about masculinities changes the way we see most areas of scholarship and daily life. This course engages scholarship on masculinities from the interdisciplinary study of sex and gender systems drawing on feminist literature; we will also study a variety of present day men’s movements and understand how they relate to feminist movements.
*prereq:* ENGL 12000

**WGS 30100 - Gender in Anthropological Perspective**

GER 3/B PD/C
Men and women in different societies, division of labor, socialization, stratification, political activism and gender construction.
*cross-listed* ANTHC 30100
*prereq:* ANTHC 10100 or perm instr.
3 hrs 3 cr.

**WGS 38700 - Queer Theory**

GER 3/B PD/C
Examination of recent contemporary queer theory and politics in the United States, with particular attention paid to its intersections with feminism, critical race theory, class analysis and religion. Course time will also be dedicated to learning to write effectively about political theory.
*prereq:* WGS 10000
3 hrs 3 cr.

**Women and Gender Studies: Women in Culture and Society**

**WGS 15600 - Culture of Imperial Russia: The Age of Empresses**

GER 2/C PD/C
Major cultural movements of the Empire baroque, classicism, romanticism and their effect on the cultural fabric of Russia from Regent Sophia through the reign of Peter to Catherine the Great.
*cross-listed* RUSS 15600
*prereq:* ENGL 12000
3 hrs 3 cr.

**WGS 20005 - Dominican and Haitian Literature and Culture**

3 hrs 3 cr.
WGS 20600 - Gender and Immigration

GER 3/B PD/B
A study of the historical and contemporary aspects of United States immigration patterns and policy with a particular focus on gender and race.
 prereq: WGS 10000 and ENGL 12000
3 hrs3 cr.

WGS 21100 - Women in the 3rd World

Study of the historical, political, social, and economical status of women in the developing world.
3 hrs3 cr.

WGS 21900 - Women and the Law (W)

GER 3/B PD/C
Overview of how local, state and federal laws treat people on basis of sex.
cross-listed POLSC 21900
 prereq: ENGL 12000
3 hrs3 cr.

WGS 22100 - Women in the Islamic World

Overview of the role of gender in Islam.
3 hrs3 cr.

WGS 22252 - Topics in Genre Studies: The Woman's Film of the 1940s

GER 3A PD/C
Discussion of the women's film, an umbrella term for a series of genres (melodrama, gothic film, comedies) in which the woman is the main protagonist as well as the intended spectator.
Depending on topic, will satisfy a GER category.cross-listed FILM 22252
 prereq: FILM 10100
4 hrs3 cr.

WGS 22300 - Sociology of the Family

GER 3/B PD/C
Family functions and interaction. Factors affecting stability and instability.
cross-listed SOC 20100
 prereq: SOC 10100
3 hrs3 cr.

WGS 23500 - The Psychology of Women (W)

GER 3/B PD/C
Psychological functioning of women; sexuality, pregnancy, social roles and status, aging, achievement, life styles, power.
cross-listed PSYCH 23500
prereq: 6 cr. in PSYCH courses
3 hrs 3 cr.

WGS 23900 - Child Welfare (W)

GER 3/B
Historical and contemporary perspectives on the impact of poverty on children and the social policies that deal with it.
cross-listed SOC 23900
prereq: ENGL 12000, SOC 10100
3 hrs 3 cr.

WGS 25000 - Women and Music (W)

GER 3/A PD/C
An ethnomusicological study of women and music in cross-cultural perspective.
cross-listed MUSHL 25000
prereq: ENGL 12000 and one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, WGS 10000 or perm instr.
3 hrs 3 cr.

WGS 25100 - Women and Health

PD/C
An exploration of health issues affecting women, particularly as these issues relate to the socialization of women, reproductive and sexual health, and medical practices.
cross-listed HED 20100
3 hrs 3 cr.

WGS 25800 - Topics in Literature by Women (W)

GER 3/A PD/C
Selected works by women written in English will be studied with an emphasis on the diversity of women's lives and the effect of gender on experience.
May be repeated once for credit with a different topic. cross-listed ENGL 25800
prereq: ENGL 22000
3 hrs 3 cr.

WGS 26000 - Russian Women Writers in English Translation (W)

GER 3/A PD/C
cross-listed RUSS 26000
prereq: ENGL 22000
3 hrs 3 cr.

WGS 26100 - Women and Politics (W)

GER 3/B PD/C
Constitutional and legal position of women, ERA, affirmative action, marriage, divorce, property, feminist causes.
cross-listed POLSC 21800
prereq: ENGL 12000
3 hrs 3 cr.

WGS 26200 - Women, War and Peace (W)

GER 3/B PD/C
Roles that women have played as subjects and objects in war and peace.
cross-listed POLSC 28000
prereq: ENGL 12000
3 hrs 3 cr.

WGS 26900 - Spanish American Women's Literature and Cinema (W)

GER 3/A PD/A or C
Conducted in English. An interdisciplinary approach to contemporary women's literature and cinema from Spanish America focusing on gender issues.
cross-listed SPAN 26900
prereq: ENGL 12000
3 hrs 3 cr.

WGS 30500 - Women and Slaves in Classical Antiquity (W)

GER 3/A PD/C or D
Women and slaves in Greek and Roman society and origins of Western attitudes about sex and class.
cross-listed CLA 30500
prereq: ENGL 12000
3 hrs 3 cr.

WGS 31500 - Work and Society (W)

GER 3/B
Work in market economies, mechanisms of control and sources of stratification, gender and ethnic factors, role of education and trade unions.
cross-listed SOC 31500
prereq: SOC 10100
3 hrs 3 cr.

WGS 31800 - Women in Africa (W)

GER 3/B PD/A or C
Examination of African womanhood in traditional setting during colonialism and neo-colonialism, independence and revolution.
cross-listed AFPRL 31800(W)
prereq: AFPRL 20200 or AFPRL 22200 or perm instr.
3 hrs 3 cr.

WGS 31900 - Advanced Topics in Literature by Women (W)

GER 3/A PD/C
Selected works by women in relation to a special theme, technique, genre, theoretical issue or cultural consideration. May be repeated once for credit with a different topic.
cross-listed ENGL 31900
prereq: ENGL 22000
3 hrs 3 cr.

WGS 32100 - Women and Globalization

GER 3/B
The situation of women from less developed countries with attention to the local and global forces shaping their lives. Topics include migration, the international division of labor, and worldwide adoption. Includes both theoretical approaches and practical issues related to improving women's place in society.
cross-listed ANTHC 32100
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

WGS 32900 - Women in the African Diaspora (W)

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, political resistance, and in sustaining African culture and values.
cross-listed AFPRL 31900 (W)
prereq: AFPRL 20400, 20900 or 21000 or perm instr.
3 hrs 3 cr.

WGS 33600 - African-American Women Writers (W)

GER 3/A PD/B or C
African-American female authors from slavery to present: novels, short stories, essays, plays, poetry, teenage fiction, and children's books.
cross-listed AFPRL 33600
prereq: AFPRL 23600 or perm instr.
3 hrs 3 cr.

WGS 33700 - Caribbean Women Writers (W)

GER 3/A
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, eolization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.
cross-listed AFPRL 33700
prereq: AFPRL 23600 or 23700 or ENGL 22000 or WGS 10000
3 hrs 3 cr.

WGS 34500 - Women and Men in the Labor Market

GER 3/B PD/C
Demand for labor, determination of wages and allocation of time between paid and unpaid activities, 'human capital' investments, labor market policy issues.
cross-listed ECO 34500
prereq: ECO 20000
3 hrs 3 cr.
WGS 35100 - Gender, Science, and Technology

PD/C
Explores the complex relationship among gender, science, and technology.
cross-listed (Cross-listed with NURS 35100.)
prereq: ENGL 12000, at least one science course at the 100 level
3 hrs3 cr.

WGS 36100 - Russian Women Writers

GER 3/A PD/C
cross-listed RUSS 36000
prereq: RUSS 20200 or equiv.
3 hrs3 cr.

WGS 38400 - Women and Media (W)

GER 3/B PD/C
Examination, from historical and formal perspective, of ways in which women have been represented by mass media in America since mid-19th century. Exploration of how feminists for 100 years have challenged these images and posed alternative modes of cultural representation and production.
cross-listed MEDIA 38400
prereq: MEDIA 18000
3 hrs3 cr.

WGS 39800 - Community Leadership Seminar

A historical introduction and a contemporary overview of social welfare policy and leadership theory and practice that is primarily aimed toward students with experience of poverty. It provides students with the theoretical knowledge and tools they need to serve as informed peer supporters, mentors, trainers, and agents of change on college campuses and in their communities.
cross-listed POLSC 31707
prereq or coreq: ENGL 12000; perm dept. and instr.
3 hrs3 cr.

WGS 49000 - Leadership Field Work Internship

Internship for students who have completed the Community Leadership seminar. Provides instruction and practical field experience to develop competency in a range of community organizing activities, building on the knowledge and skills developed in WGS 39800.
This course is not a substitute for WGS 31000, but can be a substitute for WGS 32000 with approval from adviser.
prereq: WGS 39800
hrs TBA1-6 cr.

Women and Gender Studies: Special Topics Courses
WGS 200XX - Special Topics in Women and Gender Studies

PD/A or B or C or D
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalism Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.
3 hrs3 cr.

WGS 300XX - Special Topics in Women and Gender Studies

PD/A
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalizing Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.
3 hrs3 cr.

WGS 400XX - Special Topics in Women and Gender Studies

PD/A or C
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalizing Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.
3 hrs3 cr.

Women and Gender Studies: Independent Study and Internships

Note: Independent Study (WGS 29800 or WGS 39300) may be applied only once toward the major.

WGS 29800 - Internship

Independent Study (WGS 29800 or 39300) may be applied only once toward the major.
prereq: perm program director
hrs TBA1-6 cr.

WGS 39300 - Independent Research

Independent research guided by a faculty member on a subject of student's choice in the field of Women and Gender Studies.
Note: Independent Study (WGS 29800 or 39300) may be applied only once toward the major.
prereq: perm. program director
3 hrs3 cr.

Women and Gender Studies: Senior Seminar
WGS 31000 - Research Seminar: Feminist Theory and Methodology

Open to Jr/Sr only. Study of the theoretical models that feminist scholars create to guide their work and application of feminist methodology to a research project. To graduate with honors in Women's Studies, majors must enroll in this seminar.

Note: Students may take WGS 31000 or 32000 to satisfy the Senior Seminar requirement in the major; students may also opt to take both courses. Since both classes are not taught every semester, students are urged to consult the program director in advance to plan their senior seminar.

prereq: WGS 10000, 20100, at least one other WGS course at 200-level or higher

3 hrs3 cr.
spring semester

WGS 32000 - Internship Seminar: Feminist Activism and Advocacy

Open to Jr/Sr only. Practical experience in one of a variety of agencies and organizations related to the needs or concerns of women. Weekly seminar devoted to discussion of feminist activism and advocacy.

Note: Students may take WGS 31000 or 32000 to satisfy the Senior Seminar requirement in the major; students may also opt to take both courses. Since both classes are not taught every semester, students are urged to consult the program director in advance to plan their senior seminar.

prereq: WGS 10000 and 20100 and at least one other WGS course at the 200 level or higher.

7-10 hrs3-4 cr.
spring semester

Yoruba

YOR 10100 - Yoruba I

Elementary Yoruba. Introduction to language and culture of Yoruba People of Nigeria.
Each credit for YOR 10100 is not given until YOR 10200 is completed
3 hrs3 cr. each

YOR 10200 - Yoruba II

Elementary Yoruba. Introduction to language and culture of Yoruba People of Nigeria.
Each credit for YOR 10100 is not given until YOR 10200 is completed
3 hrs3 cr. each

YOR 20100 - Yoruba III

Writing and reading of Yoruba language, including study of grammar and syntax.
prereq: YOR 10200 or demonstrated competence in speaking and writing
3 hrs3 cr.

YOR 20200 - Yoruba IV
Intensive writing and reading of Yoruba language and continuation of study of grammar and syntax.

*prereq: YOR 20100 or demonstrated competence as a native speaker
3 hrs3 cr.*

**Programs of Study**

**Bachelor of Arts - BA**

**Adolescent Education, Grades 7-12 and Dance Education, Grades Pre K-12**

**Program Overview**

Students who major in an academic subject may also wish to complete a sequence of courses in education that will enable them to pursue a career teaching students in grades 7-12. The undergraduate programs in adolescent education are designed to prepare prospective teachers to serve as high-quality educators for students in urban secondary schools.

Programs in adolescent education at Hunter College prepare prospective teachers to serve as highly effective educators in urban middle and high schools. Through rigorous course work, fieldwork and student teaching experiences in New York City schools, students learn how to provide an academically rigorous education to students of diverse backgrounds, abilities and interests.

**Content Knowledge**

Courses in the academic discipline offered by the School of Arts & Sciences will deepen teacher candidates’ subject knowledge. They will learn how to use knowledge of their subject to design and implement classroom instruction that reflects State and professional standards.

**Professional Knowledge**

Teacher candidates will learn the theory and practice of effective pedagogy in their subject area. They will gain a grounding in the history, philosophy, psychology and sociology of education that will inform their teaching. They will study research-based theories and methods of teaching their subject to students with special needs, including special education students and English language learners.

**Skills**

Teacher candidates will learn to design lessons and units of work for students and to adapt their instruction to students’ prior knowledge and level of skill. They will gain expertise in analyzing and using assessments of student achievement to guide and inform their instruction. They will master the use of technology as a tool for teaching their subject. They will learn to manage their classrooms to provide effective instruction for all students. They will practice ways to assess and reflect on their teaching practice in order to strengthen their work with students and grow as professionals.

**Creating Community**
Teacher candidates will learn to create humane and ethical learning communities in their classrooms and schools in which all students receive the support they need to achieve academically. They will learn to communicate effectively with parents, families, community members and other members of the school faculty and staff in order to provide this support.

Programs

The Hunter College School of Education offers the following undergraduate programs leading to initial certification in adolescent education (grades 7-12): biology, chemistry, Chinese, English, French, German, Hebrew, Italian, mathematics, physics, Russian, social studies and Spanish. Hunter also offers an undergraduate program leading to initial certification in dance (pre-K-12). In addition, BA/MA programs in biology, chemistry, earth science, mathematics, music and physics are offered. These programs lead to initial and professional certification.

The program of study for the baccalaureate degree at Hunter College requires a minimum of 120 credits. This is a daytime program that includes fieldwork in New York City public schools designated by the Hunter College School of Education. Students who wish to pursue initial certification in one of the above areas must take a specified sequence of education courses, in addition to fulfilling the college’s General Education Requirement (GER) and the requirements of their liberal arts or sciences major. All relevant departments accept the adolescent education sequence as a minor.

Required Coursework in Liberal Arts and Sciences

In addition to completing a major of at least 30 credits in the area of the teaching certificate to be pursued, applicants must complete a general education core that includes the specific course requirements listed below, which can be fulfilled as part of the college’s core requirement, graduation requirements, and the major:

1. English Composition

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

**prereq:** successful completion of developmental courses, if required
3 hrs + conf3 cr.

2. Literature

**ENGL 22000 - Introduction to Literature**

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students' understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.

**prereq:** ENGL 12000
3 hrs + conf3 cr.

3. Two courses selected from:
HIST 15100 - The United States from the Colonial Era to the Civil War (W)

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War. 
_Courses at the 300-level and above not offered to freshmen._

_prereq or coreq: ENGL 12000_

3 hrs3 cr.

HIST 15200 - The United States from the Civil War Era to the Present (W)

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present. 
_Courses at the 300-level and above not offered to freshmen._

_prereq or coreq: ENGL 12000_

3 hrs3 cr.

GEOG 10100 - People and Their Environment

GER 2/B
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. Contemporary economic, political and social patterns and problems are discussed.

3 hrs3 cr.

_offered fall and spring._

4. 12 credits in math, science or technology

- one laboratory science course

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

_prereq: MATH 12500 or appropriate score on placement exam._

3 hrs3 cr.

STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing.
Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

**prereq:** MATH 10100 or appropriate score on placement exam  
**prereq or coreq:** ENGL 12000  
3 hrs 3 cr.

5. 12 credits of study in a language other than English (or exemption by the college on the basis of equivalency);

6. 6 credits in the arts (does not include courses in FILMP, MEDP and MEDIA);

7. A course that includes a focus on communication, which may be met through a variety of disciplines.

Generally met with courses in THEA, MEDIA and the linguistics area of anthropology, including but not limited to:

**AFPRL 18100 - Language and Ethnic Identity**

**ANTHC 15100 - Introduction to Linguistics**

GER 2/B  
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.  
3 hrs 3 cr.

**ANTHC 26000 - North American Indian Languages and Cultures**

GER 3/B  
Linguistic analysis and sociocultural background of North American Indian languages.  
3 hrs 3 cr.

**ANTHC 26300 - Afro-New World Languages and Cultures**

GER 3/B  
Linguistic analysis, history, sociocultural background of Caribbean creole languages, other Afro-American speech forms.  
3 hrs 3 cr.

**ANTHC 35100 - Language in Culture and Society**

GER 3/B  
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social and political life; language, ideology and identity.  
3 hrs 3 cr.

**ANTHC 35400 - Grammatical Analysis and Theory**
GER 3/B
Methods of syntax and morphology in work with diverse languages; syntactic theories and their development relative to universals, semantics, pragmatics, discourse.
*prereq:* ANTHC 15100 or equiv.
3 hrs 3 cr.

**MEDP 23900 - Entertainment Journalism (W)**
Development of practical, theoretical, and rhetorical skills for writing reviews and feature stories about entertainment and the arts.
*prereq:* MEDP 29200
3 hrs 3 cr.

**MEDP 24000 - Effective Speechmaking**
Development of skills in speechmaking and media presentation.
*prereq:* MEDIA 18000
3 hrs 3 cr.

**MEDP 29200 - Basic Reporting (W)**
Workshop and discussion to provide basic skills of newspaper writing.
*prereq:* MEDIA 18000
3 hrs 3 cr.

**MEDP 29300 - Advanced Reporting (W)**
Intermediate course to advance skills in writing and reporting.
*prereq:* MEDP 29200
3 hrs 3 cr.

**MEDP 29400 - Magazine Writing (W)**
This course prepares students for publishing articles in magazines, feature sections of newspapers and online Internet publications by developing writing portfolios and studying the workings of the publishing industry.
*prereq:* MEDP 29200
3 hrs 3 cr.

**MEDP 29500 - Online Journalism (W)**
Evaluating and employing the Internet as a source of information for journalists, as a subject of journalistic coverage and as a new form of newspaper publication.
*prereq:* MEDP 29200
3 hrs 3 cr.

**Admission Requirements**
Students who wish to enter the adolescent education sequence must meet all the criteria given below.

1. Minimum of 65 credits but no more than 90 credits;

2. GPA of at least 2.8. If a student has more than 6 credits of CR/NR grades, the excess of these grades will be calculated as C or F in determining whether the student meets the minimum GPA;

3. A grade of at least B in ENGL 12000 (or a 200- or 300-level writing course such as ENGL 201);

4. Formal declaration of a major in a subject area appropriate for certification: English, Languages Other than English (Chinese, French, German, Hebrew, Italian, Russian, Spanish), Mathematics, Biology, Chemistry, Physics, Social Studies (Geography Option 2), Dance; and

5. Submission of an application for admission to the sequence (the application is available in the Office of Educational Services, Room 1000 Hunter West).

**Course of Study**

- Adolescent Education All BA (and BA/MA Mathematics) Students
- Mathematics (BA): Additional Required Coursework and Student Teaching
- Biology, Chemistry, and Physics (BA): Additional Required Coursework and Student Teaching
- Languages Other than English: Chinese, French, German, Hebrew, Italian, Russian, Spanish (BA) Additional Coursework and Student Teaching
- English (BA) : Additional Required Courses and Student Teaching
- Social Studies (BA): Additional Required Coursework and Student Teaching
- Dance Pre-K - 12
- Mathematics (BA/MA): Additional Required Coursework and Student Teaching
- Chemistry (BA/MA): Additional Required Courses and Student Teaching
- Music (BA/MA): Additional Required Coursework and Student Teaching

**Transfer Students**

The program will conditionally admit transfer students with 60 or more credits who have a GPA of at least 3.3 without requiring that they complete 12 credits at Hunter College. However, they must establish a minimum GPA of 2.8 at Hunter College to continue in the program after the first semester. Any transfer student who has a GPA of 2.8-3.29 must complete 12 credits at Hunter College with a cumulative GPA of at least 2.8 before being admitted to the program in adolescent education.

**Admission Process**

1. Students interested in applying to the Adolescent Education program should apply at the beginning of the semester prior to the semester in which they plan to enroll.

2. Students must participate in a group interview with several other students and School of Education faculty members.

3. Students must complete an on-site writing sample that the School of Education faculty will use to assess written English skills.
Progress Standards

1. Students must maintain a minimum overall GPA of 2.8 and an education sequence index of 2.8.

2. Any student who receives a grade of B-, C+, C or D in student teaching must apply to the department chairperson for permission to reregister for that course, which may be repeated only once.

3. Any student who receives a grade of D+ or D in a course in the education sequence will be required to repeat that course. Students are permitted to repeat a course only once.

4. Any student who receives a grade of F in any course in the pedagogical sequence (including student teaching) will not be permitted to continue in the program.

5. Any student who has more than two grades of IN will be permitted to register for only one course the following semester.

Students will be permitted to register for the second methods course in their subject area only after having met the following requirements:

1. Completion of 18 credits of study in the major subject area;

2. Approval of the major department adviser; and

3. Maintenance of an overall GPA of 2.8 and an education sequence index of 2.8.

Students should register to take the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examinations during their junior year. Students will not be allowed to enroll in student teaching until their scores on the LAST have been received by the School of Education. Students who do not pass the LAST at least partly because of low scores on subtest 4 and/or 5 must enroll in a college writing course before being allowed to register for any additional courses.

Liberal Arts and Sciences Major Requirements for Adolescent Education (BA and BA/MA) and Dance Education (BA)

Note: See the major department sections of the catalog for specific course requirements in these areas.

**English (7-12)** 30-credit major in English for adolescent education.

**Languages Other than English (7-12)** 33-credit major in one of the following languages: Chinese, French, German, Hebrew, Italian, Russian, Spanish.

**Mathematics (7-12)** 30-credit major in mathematics + one year of calculus (MATH 15000 and 15500, or the equivalent).

**Biology (7-12)** 37-credit major in biology + 33.5 - 36.5 credits in additional science and math courses.

**Chemistry (7-12)** 33- or 35-credit major in chemistry.

**Physics (7-12)** 30-credit major in physics.

**Social Studies (7-12)** 33-credit major in geography plus 9 credits of specified course work in history and geography as prerequisites; or a 33-credit major in history, including a course in geography, plus a course with a focus on political science and a course with a focus on economics

**Dance Pre K-12** 34-credit major in dance
**BA/MA Chemistry 7-12** minimum of 134 credits to include chemistry major (minimum of 24 credits) and associated auxiliary courses (30.5 credits) at the undergraduate level; 14 graduate credits in chemistry.

**BA/MA Mathematics 7-12** minimum of 141 credits to include 46 credits in mathematics including a year of calculus (MATH MATH 15000 and MATH 15500 or equivalent), MATH 25000, MATH 26000, MATH 31100 (or the equivalent), 620, 623 or 634, 630, 661, STAT 21300 and STAT 614 (or the equivalent), plus 9 additional credits, at the 25000 level, selected with the approval of the departmental mathematics education adviser.

**BA/MA Music Pre-K-12** minimum of 140 credits to include 42-credit music major equivalent to the undergraduate music major plus 22 graduate credits for a total of 64 credits in music.

**Fieldwork and Student Teaching**

Field experiences and student teaching will take place in sites approved by the Hunter College School of Education.

1. Any student who receives a grade of B-, C+, C or D in student teaching must officially register for and repeat that experience. Students will be permitted to repeat student teaching only once.

2. Any student who receives a grade of F in student teaching will not be permitted to continue in the program.

3. Students must submit an application during the semester before they plan to student teach.

**Africana and Puerto Rican/Latino Studies - BA**

**Program of Study**

Given the interdisciplinary organization of the department, students may elect to concentrate their program of study in the Africana sequence, Puerto Rican/Latino sequence or a combination of both with courses from social sciences and humanities offered by the department.

**Major**

The major consists of 30 credits. Courses to be taken are as follows:

6 credits from among

**AFPRL 20100 - African History from Human Origins to 1600 CE**

GER 2/B PD/A
African history from ancient times with emphasis on endogenous African development of civilizations and complex economic, technological and cultural systems over time.
3 hrs3 cr.

**AFPRL 20200 - African History Since 1600 CE**

GER 2/B PD/A
Main currents of African history from 1600 CE to present
3 hrs3 cr.
AFPRL 20300 - African American History I

GER 2/B PD/B
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.
3 hrs 3 cr.

AFPRL 20400 - African American History II

GER 2/B PD/B
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.
3 hrs 3 cr.

AFPRL 20900 - Introduction to Caribbean History to 1900

GER 2/B PD/A
Introduction to the major themes in Caribbean history to 1900.
prereq: ENGL 12000
3 hrs 3 cr.

AFPRL 21000 - Introduction to Caribbean History: 1900 - Present

GER 2/B PD/A
Introduction to the major themes in Caribbean history after 1900.
prereq: ENGL 12000
3 hrs 3 cr.

AFPRL 24200 - Puerto Rican History Since 1898

GER 2/B PD/A
Sociohistorical, political and economic analysis of Puerto Rico dating from the U.S. invasion to the present.
3 hrs 3 cr.

3 credits from

AFPRL 28100 - Fieldwork in African American/Latino Communities

Fieldwork involvement and sociopolitical analysis of a community organization in the Black and/or Puerto Rican/Latino communities.
Course open to Majors and Minors Only
3 hrs 3 cr. each

21 credits

- Of which at least 12 must be taken at the 300 and/or 400 level. At least 3 credits must be taken in Puerto Rican/Latino studies if the student’s concentration is in Africana studies and vice versa.

Minor in Africana and Puerto Rican/Latino Studies
The Department of Africana & Puerto Rican/Latino Studies offers a 12-credit minor that requires students to successfully complete two 100/200 level courses and two 300/400 level courses.

Honors

The honors research course, AFPRL 49900, is open to AFPRL upper seniors who have a 3.5 GPA in the major with a 3.0 GPA overall and have completed at least 24 credits including three AFPRL 300/400 level courses. In order to receive an honors endorsement, a student must receive a final grade of at least B+. Students who do not meet the requirement for an honors endorsement but have passed the course, will receive three credits without honors. The research theme changes every academic year. The project is supervised by one full-time AFPRL faculty member but is read and graded by the supervisor and two additional AFPRL full-time faculty members.

Anthropology - BA

Major

The anthropology major is designed to give students an overview of the discipline, as well as training in all four fields of the subject (archaeology, cultural anthropology and ethnology, anthropological linguistics and biological anthropology). The anthropology major consists of 25 credits [see table below]. To declare a major in anthropology, the student must have completed at least one course in anthropology with a C grade or better. In order to graduate with a major in anthropology, students must earn a C grade or better in all required courses and electives counted toward the major (effective for students declaring the major after September 1, 2007

Note: While ANTHC 10100 is a prerequisite for many courses in cultural anthropology, including some of the required courses, it is not itself included in the courses required for the major.

Major Requirements

Biological Anthropology: Human Evolution or Human Variation (4 cr.)

ANTHP 10100 - Human Evolution

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.
6 hrs (3 hrs lec, 3 hrs lab)4 cr.
offered every sem.
-or-

ANTHP 10200 - Human Variation

GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.
6 hrs (3 hrs lec, 3 hrs lab)4 cr.
offered every sem.
Linguistics: Intro to Linguistics (3 cr.)

**ANTHC 15100 - Introduction to Linguistics**

GER 2/B  
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.  
_3 hrs 3 cr._

Archaeology: Intro to Prehistoric Archaeology (3 cr.)

**ANTHC 12600 - Introduction to Prehistoric Archaeology**

GER 2/B  
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.  
_3 hrs 3 cr._  
_offered every sem._

Research Design (3 cr.)

**ANTHC 31400 - Research Design in Anthropology**

GER 3/B  
Introduction to basic principles of research design employed in anthropology.  
_prereq: ANTHC 10100_  
_3 hrs 3 cr._

History of Anthropological Theory (3 cr.)

**ANTHC 31800 - History of Anthropological Theory**

GER 3/B PD/D  
Changing approaches to the study of society and culture. Political and historical context of the development of theory, the link between theory and method and the impact of theory on policy.  
_prereq: ANTHC 10100 or perm instr._  
_3 hrs 3 cr._

Elective courses (9 cr.)

_(selected from above fields)_

Total credits 25

Minor in Anthropology

There are two new rules about the minor. First, the minor department controls the minor. Second, the minor is no longer a degree requirement.
General Anthropology

The Anthropology Minor provides students an overview of the discipline through survey courses in each of the four primary subfields of anthropology. It is designed to help students appreciate the significance of, and relations between, language, biology, and culture, for human beings past and present. The minor consists of four courses for a total of 13 credits. In order to graduate with an Anthropology Minor, students must earn a C grade or better in all the courses counted towards the minor.

The minor includes the following three required courses:

ANTHC 10100 - Introduction to Cultural Anthropology

GER 2/B PD/A
Comparative and historical examination of the human condition through a focus on diverse responses to universal problems, such as making a living, resolving conflict, organizing family/kin relations and finding meaning in the world.
3 hrs 3 cr.
offered every sem.

ANTHC 12600 - Introduction to Prehistoric Archaeology

GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs 3 cr.
offered every sem.

ANTHC 15100 - Introduction to Linguistics

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.
3 hrs 3 cr.

Plus one additional course selected from the following two options:

ANTHP 10100 - Human Evolution

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

ANTHP 10200 - Human Variation

GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.
Minor in Linguistic Anthropology

The Linguistic Anthropology Minor introduces students to the comparative and interdisciplinary study of language as a cultural resource and speaking as a cultural practice. In its study of the ways in which language and culture are interrelated, linguistic anthropology often draws from linguistics, sociology, psychology, philosophy, communication studies, as well as education, semiotics, and ethnic and literary studies. The Minor consists of a minimum of 12 credits from any of the following courses, or other courses with approval of the departmental undergraduate adviser. In order to graduate with a Linguistic Anthropology Minor, students must earn a C grade or better in all the courses counted towards the minor.

**ANTHC 15100 - Introduction to Linguistics**

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.
3 hrs3 cr.

**ANTHC 35100 - Language in Culture and Society**

GER 3/B
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social and political life; language, ideology and identity.
3 hrs3 cr.

**ANTHC 40100 - Seminars in Selected Topics**

Topics TBA.

Minor in Anthropological Archaeology

The Anthropological Archaeology Minor introduces students to the study of past human societies and cultural diversity from an anthropological perspective. The minor consists of a minimum of 12 credits from the courses listed below, or other courses with the approval of the departmental undergraduate advisor. Only one non-ANTHC course from the following list may count towards the minor. In order to graduate with an Anthropological Archaeology Minor, students must earn a C grade or better in all the courses counted towards the minor.

**ANTHC courses:**

**ANTHC 12600 - Introduction to Prehistoric Archaeology**

GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs3 cr.
offered every sem.

**ANTHC 12700 - Introduction to Archaeological Techniques**
Strategies of data collection; determination of age of deposits, environmental reconstruction, examination of artifacts.  

*prereq: ANTHC 12600 or perm instr.*  
3 hrs 3 cr.

**ANTHC 34600 - Analytic Methods in Archaeology**

GER 3/B  
Theory and methods of analysis of materials recovered from archaeological excavations and surveys.  
*prereq: ANTHC 12600 or perm instr.*  
5 hrs (3 hrs lec, 2 lab) 4 cr.

Non-ANTHC courses

**ANTHP 10100 - Human Evolution**

GER 2/E  
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.  
*6 hrs (3 hrs lec, 3 hrs lab) 4 cr.*  
offered every sem.

**CLA 20400 - Introduction to Classical, Near Eastern, and Egyptian Archaeology (W)**

GER 2/C  
Introduction to ancient archaeology, including Greece and Rome, Mesopotamia, Egypt, Anatolia, and the Levant.  
*prereq: ENGL 12000*  
3 hrs 3 cr.

**GEOG 10100 - People and Their Environment**

GER 2/B  
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. interact with it. Contemporary economic, political and social patterns and problems are discussed.  

*3 hrs 3 cr.*  
offered fall and spring.

**GEOL 10100 - Fundamentals of Geology**

GER 2/E  
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking",,
the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.  
6 hrs (3 lec, 3 lab) 4.5 cr.  
Offered fall and spring.

Minor in Cultural Anthropology or Ethnology

The Cultural Anthropology Minor introduces students to the study of contemporary human cultures through a focus on cross-cultural similarities and differences in such areas as kinship, politics, economics, religion, sexuality, gender, and artistic production. The minor consists of a minimum of 12 credits from the courses listed below, as well as others that may be approved by the departmental undergraduate adviser. In order to graduate with a Cultural Anthropology Minor, students must earn a C grade or better in all the courses counted towards the minor.

**ANTHC 10100 - Introduction to Cultural Anthropology**

GER 2/B PD/A  
Comparative and historical examination of the human condition through a focus on diverse responses to universal problems, such as making a living, resolving conflict, organizing family/kin relations and finding meaning in the world.  
3 hrs 3 cr.  
offered every sem.

**ANTHC 21500 - The Anthropology of Black America (W)**

GER 3/B PD/B  
Examines anthropological knowledge about Black America and the various socio-political contexts in which this body of scholarship has been produced. Focuses on the politics of knowledge production on Black culture.  
prereq: ENGL 12000  
3 hrs 3 cr.

**ANTHC 27500 - Reading Ethnographies (W)**

GER 3/B  
Examines the most significant mode of writing within cultural anthropology: the ethnography. Students explore interpretive, theoretical and political issues in the representation of cultures through close reading and analysis of ethnographic texts.  
prereq: ANTHC 10100 or perm instr.prereq or coreq: ENGL 12000  
3 hrs 3 cr.

**ANTHC 30100 - Gender in Anthropological Perspective**

GER 3/B PD/C  
Men and women in different societies, division of labor, socialization, stratification, political activism and gender construction.  
cross-listed WGS 30100  
prereq: ANTHC 10100 or perm instr.  
3 hrs 3 cr.

**ANTHC 30900 - Countryside and City: Comparative Perspectives**

Rural-urban connections and the transformations that affect rural areas and peoples in diverse parts of the world.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 31000 - Politics and Power in Anthropological Perspective

GER 3/B PD/A
Leadership, conflict, inequality, decision-making and law in different societies; interaction of local politics with state and global institutions.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 31800 - History of Anthropological Theory

GER 3/B PD/D
Changing approaches to the study of society and culture. Political and historical context of the development of theory, the link between theory and method and the impact of theory on policy.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 32000 - Problems in Anthropology

GER 3/B
Topics TBA. Recent courses have looked at globalization, social movements and civil society, energy policy, women and economic development, international migration. Depending on topic, may meet PD/A, B, or C.
prereq: perm instr.
3 hrs 3 cr.
offered every sem.

ANTHC 32200 - Family and Household in Anthropology and History

GER 3/B PD/C
Examines variations in household structure and family relations across cultures and over time, focusing on the relationship between domestic arrangements and other aspects of society.
prereq or coreq: ANTHC 10100
3 hrs 3 cr.

ANTHC 35100 - Language in Culture and Society

GER 3/B
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social and political life; language, ideology and identity.
3 hrs 3 cr.

ANTHC 40000 - Honors Projects

prereq: perm chair
offered every sem.

Minor in Physical Anthropology
The Physical Anthropology Minor introduces students to the study of human evolution, including human variation, paleontology, genetics, and primatology. The Minor consists of a minimum of 12 credits. These must include ANTHP 10100 - Human Evolution (4 Cr). The remaining credits can be filled by any ANTHP courses. Also, one (and only one) non-ANTHP course from the following list may count towards the minor. In order to graduate with a Physical Anthropology Minor, students must earn a C grade or better in all the courses counted towards the minor.

Required course for the minor

**ANTHP 10100 - Human Evolution**

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.

6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

8 or more credits from any of the following courses (only one non-ANTHP course may be used for the Physical Anthropology Minor):

**ANTHP 10200 - Human Variation**

GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.

6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

**ANTHP 30100 - Human Fossil Record**

GER 3/B PD/C
The hominid fossil record of Africa, Asia and Europe. Human evolution as evidenced in fossil record.

prereq: ANTHP 10100, 10200, or equiv.

3 hrs 3 cr.

**ANTHP 30200 - Human Genetics**

Analysis of distribution of contemporary human populations and microevolutionary processes that underlie human variability

prereq: ANTHP 10100, 10200, or BIOL 10200

3 hrs 3 cr.

**ANTHP 31000 - Primate Ecology and Behavior**

GER 3/B
Examination of ecological factors responsible for the distribution and behavior of living primate species.

prereq: ANTHP 10100 or 10200 or BIOL 10000 or 10200

3 hrs 3 cr.

**ANTHP 31100 - Primate Evolution**
GER 3/B
Evolution of primate behavior and morphology; interdependence of ecology, behavior and morphology.
_prereq: ANTHP 10100 or perm instr._
3 hrs 3 cr.

**ANTHP 31200 - Primate Evolutionary Genetics**

Examines evolutionary relationships, social behavior, natural selection, disease, population history, demography, medicine and genomics. This course draws on readings from the primary literature.
_prereq: ANTHP 10100 or ANTHP 10200 or BIOL 10200_
3 hrs 3 cr.

**ANTHP 31600 - Human Evolutionary Adaptations**

GER 3/B
Studies adaptive significance of distinctive biological features of human species, including brain size, secondary sexual characteristics, sparse body hair and use of complex language.
_prereq: ANTHP 10100 or 10200 or BIOL 10000 or 10200_
3 hrs 3 cr.

**ANTHP 40100 - Seminars in Selected Topics**

Course provides in-depth study of specific topics in field of physical anthropology.
_prereq: prereq; depends on topic_
3 hrs 3 cr.

**ANTHC 12600 - Introduction to Prehistoric Archaeology**

GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs 3 cr.
_offered every sem._

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
_$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200._
_prereq: MATH 10100 or equivalent_
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
_fall only_

**BIOL 12000 - Anatomy and Physiology I**

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.
_Not accepted for credit toward the biology major._
prereq: CHEM 10000, 10100  
coreq: CHEM 12000, 12100  
6 hrs (3 lec, 3 lab) 4.5 cr.  
fall only

GEOL 10100 - Fundamentals of Geology

GER 2/E  
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.  
6 hrs (3 lec, 3 lab) 4.5 cr.  
Offered fall and spring.

PSYCH 16000 - Evolution and Behavior

GER 2/B  
Aggression, sleep, learning, communication, emotion, motivation and social behavior in human and other species; underlying mechanisms, development, evolutionary history.  
prereq: PSYC 10000  
3 hrs 3 cr.

Honors Work

Honors work is possible in each of the major branches of anthropology. The emphasis is on independent student research under the supervision of a faculty member. In order to graduate with departmental honors in anthropology, a student must: (1) have taken at least 2 credits of ANTHC 40000; (2) have a GPA in the major of not less than 3.5 and a cumulative GPA of not less than 2.8 at the time of graduation; and (3) complete a departmental honors form available from the departmental undergraduate adviser.

AN-C 400 Honors Project

(available to students in each of the four fields of anthropology) Open to qualified juniors and seniors every semester. Research under supervision of a faculty member. From 2 to 3 credits per semester, depending on the nature of the student’s work. May be taken for 1, 2, or 3 semesters for a maximum of 6 credits. To apply, students must (1) present a research plan prepared in conjunction with a faculty member; (2) have this plan approved by the undergraduate adviser and the department chair; and (3) obtain approval prior to preregistration.

The COR Program

The departments of psychology, anthropology and sociology jointly offer a program called COR (Career Opportunities in Research and Education). This interdisciplinary research training program for talented minority juniors and seniors is funded by the National Institute of Mental Health. Participants receive a monthly stipend and tuition and fee remission; they take a special curriculum and get individualized research training in a variety of areas under the supervision of a faculty mentor. The program has several levels of participation and all minority students — especially freshmen and sophomores — intending to pursue a research related career in the participating disciplines are urged to register with the program. Additional details and descriptive literature are available from the COR program manager, 532 Hunter North, (212) 772-4562.

Interdepartmental Fields
Students who want to do work in anthropology as part of an interdepartmental field, such as Africana and Puerto Rican/Latino studies, Latin American and Caribbean studies, religion, urban affairs and planning, or women and gender studies, should refer to descriptions under the department or field of their interest.

**Art History - BA**

The Department of Art offers introductory, intermediate and advanced courses in art history. It offers a choice of either a 24-credit standard major or a 42-credit intensive major. An optional minor in art history is also available.

- Art History 24-Credit Major
- Art History 42-Credit Intensive Major

**Minor in Art History**

The minor includes 12 credits in Art History as follows: ARTH 11100 - Introduction to History of Art followed by 9 credits selected from the other department offerings. No more than 6 credits transferred from another institution may be applied to the minor.

**Electives**

All courses, unless otherwise specified, are open to qualified students majoring in other areas.

**Honors**

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Students must have taken at least one combined undergraduate/graduate course (ARTH 39900 “Special Topics”), for which they received a letter grade. Students must present to the department’s Committee on Honors a paper produced in conjunction with ARTH 39900, or with any of the following:

**ARTH 40200 - Independent Study in Art History**

GER 3/A

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

prereq: perm instr.
3 hrs3 cr.

**ARTH 36800 - Research Methods of Art History**

GER 3/A

Training in bibliographical material and research methods through examination of a problem in art history. Preparation for advanced work.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
prereq: 2 courses of art history from the 200 level
3 hrs3 cr.
  • any of the 300-level art history “Advanced Studies” courses.

Graduate Study

The Department of Art offers a number of courses, listed in the Graduate Catalog, that may be credited toward the degree of master of arts. Qualified students in the senior year may be admitted to these courses with the approval of the graduate art history adviser.

Art History 24-Credit Major

Return to Programs and Courses in Art

A BA in art history is available to students interested in a liberal arts education in the humanities. A broad range of courses from different fields, rather than specialization in one area, is encouraged. Students who have completed 9 credits in art history are eligible to take the required advanced Research Seminar (ARTH 36800), to be programmed in consultation with an art history adviser. No courses can be repeated. A minor of 12 credits is required and it may be taken in a related field such as classics, anthropology, history, etc.

Majors must consult with an art history adviser during an early semester concerning their choice of a minor.

Majors planning graduate study in art history are advised to discuss requirements for graduate admission, including graduate language requirements, with an art history adviser during an early semester.

Required Courses for the 24-Credit BA:

Program prerequisite

(survey courses do not count toward art history major credit.)

ARTH 11100 - Introduction to History of Art

GER 2/D PD/D
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.
3 hrs3 cr. cr

Six courses, including at least one in each of three different areas: 18 cr

  • Ancient
  • Medieval
  • Renaissance
  • Baroque
  • Modern including 19th, 20th, 21st century
  • Non-Western including: Islamic, Chinese and Japanese

Advanced topics or theme course selected from any of the offerings 3 cr
Research Methods 3 cr

**ARTH 36800 - Research Methods of Art History**

GER 3/A  
Training in bibliographical material and research methods through examination of a problem in art history. Preparation for advanced work.  
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*  
prereq: 2 courses of art history from the 200 level  
3 hrs 3 cr.

Total 24 cr

**Art History 42-Credit Intensive Major**

This major is recommended for students desiring concentrated advanced work in art history. It requires 36 credits of course work in art history and 6 credits in studio art. It does not include a minor; however, with permission of the art history adviser, up to 6 credits of work in related areas — studio art, literature, or history, for example — may be substituted for art history courses within the required 36 credits.

As in the case of the 24-credit major, the sequence begins with one of the introductory courses (program prerequisite), is followed by five elective courses in art history and includes the advanced Research Seminar (ARTH 36800).

**Required Courses for the 42-Credit Intensive Major**

Program prerequisite

(Survey courses do not count toward art history major credit.)

**ARTH 11100 - Introduction to History of Art**

GER 2/D PD/D  
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.  
3 hrs 3 cr.

Nine courses, including at least one in each of five different areas: 27 cr

- Ancient
- Medieval
- Renaissance
- Baroque
- Modern including 19th, 20th, 21st century
- Non-Western including: Islamic, Chinese and Japanese
Advanced studies and/or theme course selected from any of the offerings 6 cr
(e.g., ARTH 29900 and/or 300- or 400-level courses)

Research Methods 3 cr

ARTH 36800 - Research Methods of Art History

GER 3/A
Training in bibliographical material and research methods through examination of a problem in art history. Preparation for advanced work.

 ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
prereq: 2 courses of art history from the 200 level
3 hrs3 cr.

Studio courses to be chosen in consultation with an adviser 6 cr

Total 42 cr

Biological Sciences - BA

The Department of Biological Sciences offers two major programs. Major I is for students who intend to prepare for graduate study, medicine, dentistry, secondary school teaching, biotechnology and industry. Major II is for students preparing to teach in elementary schools. Students planning to pursue Major I are strongly encouraged to declare their major as soon as possible after completing one semester of Principles of Biology.

Declared majors are assigned a permanent faculty adviser who will assist in individual curriculum planning. Students are required to meet with their adviser at least once each semester throughout their undergraduate career to discuss their program and progress.

• Biological Sciences Major I
• Biological Sciences Major II

CR/NC Policy

Only a letter grade (A, B, C, D, including + or -) will be accepted by the department in the required science and mathematics courses for the biology Major I and Major II.

Minor for other Majors

Although the minor is not required, the minor in Biological Sciences gives students a basic understanding of biology from the molecular and cellular to the organismal and population level. This includes both theoretical aspects presented in lecture as well as practical aspects presented in lab. Flexibility is built into the minor to allow students to select courses corresponding to their interests.
The minor in Biological Sciences requires BIOL 10000, BIOL 10200 or BIOL 16000 and two additional Biological Sciences courses, one of which must be at the 200 level or higher.

Number of credits: A minimum of 12 credits. Transfer credits may be applied. At least 2 courses must be taken at Hunter College.

Opportunities for Undergraduates in Biological Sciences

Undergraduate Research Students who wish to undertake a research project under the supervision of a faculty member must first obtain written permission from that faculty member and then register for BIOL 48000 – BIOL 48300. Research opportunities for undergraduates at Hunter are available in cell and molecular biology, developmental biology, neuroscience, cancer biology, AIDS, microbiology and a variety of other contemporary areas. In some cases students may be permitted to work at one of the several neighboring research institutions. Synopses of faculty research interests can be obtained in the department office or from the Department of Biological Sciences Web site (http://sonhouse.hunter.cuny.edu/). In addition, there are summer research opportunities available at Cold Spring Harbor Laboratory and Woods Hole Research Center through the Howard Hughes Medical Institute. Please note that, to qualify for departmental honors at graduation, there is a research requirement.

Honors Work

In order to qualify for departmental honors, students must have a departmental GPA of at least 3.5 and an overall GPA of at least 2.8. They must also satisfy a research requirement consisting of either:

(a) at least 2 credits of

**BIOL 48000 - Introduction to Experimental Biology**

GER 3/B
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.  
*prereq: BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.*  
*hrs TBA 1-2 cr. per sem.*

**BIOL 48100 - Introduction to Experimental Biology**

GER 3/B
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.  
*prereq: BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.*  
*TBA 1-2 credits per semester*

**BIOL 48200 - Introduction to Experimental biology**

GER 3/B
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.
**BIOL 48300 - Introduction to Experimental Biology**

GER 3/B
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.

**prereq:** BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.

hrs TBA1 - 2 cr. per sem.

or (b) at least one course chosen from among

**BIOL 37500 - Molecular Systematics**

GER 3/B
An overview of the various methods and kinds of data used in systematics, the study of organism diversity and biological relationships. Emphasis is on modern molecular and genetic approaches to identification of individual species and strains and full phylogenetic analyses of suites of species to determine their evolutionary history. The knowledge base is provided for experimental investigation of questions of current interest in phylogeny and population biology.

**prereq:** BIOL 30000 or perm instr.

3 hrs3 cr.

**BIOL 39000 - Laboratory in Cell Structure**

GER 3/B
Applications of light and electron microscopy to study of cell structure and function. Lab projects utilize thin sectioning, negative staining, scanning, darkroom printing, digital imaging and other techniques.

**prereq or coreq:** BIOL 30000 or BIOL 20200 and perm instr.

5 hrs (1 lec/demo, 4 lab)3 cr.

fall only

**BIOL 41000 - Workshop in Biotechnology**

GER 3/B
A series of laboratory-intensive experimental projects, each lasting one week or more, which introduce current research techniques and include individual participation in planning and preparation of experiments. The focus is on a broad biotechnology topic such as the isolation, cloning and expression of a gene, utilizing the techniques of molecular genetics.

This course satisfies the research requirement for graduation with departmental honors and is a component of the interdisciplinary BS/MA (MLS/Biol) program in biotechnology.

**prereq:** BIOL 20000, 20200, perm instr.

30 hrs/week for 4 weeks4 cr.

Additional Information

The research requirement includes a written report resulting from work in any of these courses.
BA/MA Program in Biological Sciences and Adolescent Education: Biology

This is an accelerated program leading to a BA in Biological Sciences and an MA in Adolescent Education: Biology. Undergraduates admitted to the program start graduate courses during their senior year and will be able to complete the MA degree one year after they complete the requirements for the BA degree. Interested students should contact a Biology Department adviser early in their undergraduate career.

MA Program in Biological Sciences

See Career Planning - Graduate Study.

Biological Sciences Major I

Return to: Biological Sciences-BA

Major I in Biological Sciences has the following Concentrations:

- Basic (shown below)

Three other concentrations that are slightly more rigorous than the basic Major I. Interested students should speak with a biology adviser as soon as possible to plan their courses accordingly.

- Behavioral Neurobiology
- Bioinformatics
- Biophysics

28-credit concentration in biology at the 200-level and higher

This plan consists of a 28-credit concentration in biology at the 200-level and higher, the prerequisite for which is introductory biology (BIOL 10000, BIOL 10200). The biology concentration consists of an 18-credit core — BIOL 200, 202, 300, 302 — and 10 credits of electives. Together, introductory biology and the concentration (37 cr) satisfy the major requirement for certification as a teacher of biology in grades 7-12.

18-credit core

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only
BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

Electives (10 cr)

Students may select the remainder of their credits toward Major I from advanced courses in the biological sciences. At least one course must be at the 300 level, in addition to BIOL 300 and 302.

Special-topics

At least one special-topics course must also be taken (various topics offered each semester)

BIOL 47000 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 30000  
2 hrs (lec)2 cr. per sem.

**BIOL 47100 - Special Topics in Biology**

GER 3/B  
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.  
prereq: BIOL 300  
3 hrs (lec)3 cr. per sem.

**Interdisciplinary interests**

Students with strong interdisciplinary interests may select the following, after approval by their adviser

- Advanced course offerings in other departments or

**SCI 30200 - Ethical Conduct in the Natural and Physical Sciences**

GER 3/B  
Case studies of ethical issues in scientific research and education, including fraud, misrepresentation and negligence in scientific reporting. Term paper required.  
prereq: 2 yrs lab science (BIOL 10000, 10200; CHEM 10200, 10300, 10400, 10500; PHYS 11000, 12000; or equiv.)prereq or coreq: lab research experience in natural or physical sciences  
2 hrs2 cr.

**Additional science and math requirements for Major I:**

**CHEM 10200 - General Chemistry I**

GER 2/E  
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.  
*Primarily for pre-med, medical laboratory sciences and science majors.*  
prereq or coreq: MATH 12500, 12600 or equiv.  
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E  
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.  
*Primarily for premed, medical laboratory sciences and science majors.*  
prereq: CHEM 10200 or CHEM 10000 with perm chair  
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E  
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.  
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory*
sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.
prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs2.5 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

or

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

Curriculum Guide for Major I

Year 1

Fall

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 1010 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

Spring

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

Year 2

Fall

BIOL 20000 - Cell Biology I: Microorganisms
GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.
prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs2.5 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

Spring

BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

**Year 3**

**Fall**

**BIOL 30000 - Biological Chemistry**

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300 coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

**PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

- BIOL electives (300 level)

Spring

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.
- BIOL electives (300 and 400 level)

Year 4

Fall

- BIOL electives (300 & 400 level)

Spring

- BIOL electives (300 and 400 level)

Note(s)
We recommend that math, physics and chemistry courses be completed as early as the student's schedule allows. Note that CHEM 22400 must be taken prior to or corequisite with BIOL 30000; otherwise, instructor permission is required. Students who are behind in the chemistry sequence are urged to take advantage of the summer session, during which these chemistry courses are usually offered.

Biological Sciences Major II

Return to: Biological Sciences - BA

For Students Planning to teach in Childhood Education, Grades 1–6

This plan consists of 26 credits in biological science, 12 credits in additional science and 6 credits in math. Major II satisfies the major requirements for certification as a teacher for grades 1-6.

This major requires 30 credits of education courses and should thus be initiated as early as possible.

Childhood education (grades 1-6) is a collateral major. See the School of Education section of this catalog for requirements.

Required Biology Courses

- BIOL 10000, BIOL 10200 (9 credits)
- Courses approved by adviser selected from the 200 or 300 level (17 credits)

Additional Math and Science Requirements for Major II

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.
*Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*
4 hrs (3 lec, 1 rec) 3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
*Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*
*prereq or coreq: CHEM 10000*
4 hrs (3 lab, 1 rec) 1.5 cr.
CHEM 12000 - Essentials of Organic Chemistry Lecture

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10000
4 hrs (3 lec, 1 rec)3 cr.

CHEM 12100 - Essentials of Organic Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10100 prerequisite or coreq: CHEM 12000
4 hrs (3 lab, 1 rec)1.5 cr.

PHYS 10100 - Study of Selected Phenomena and Basic Concepts of Physics

GER 2/E
Introductory one-semester physics course designed for non-science majors and others requiring a one-semester terminal course.
6 hrs (3 lec, 3 lab)4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

MATH 10400 - Mathematics for Elementary Education I

GER 1/B
Fundamental and relevant mathematics as recommended by the NCTM for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers and number theory. Required of students planning to teach in elementary schools. Not open to other students.
prereq: grade of C or better in MATH 10100 or appropriate score on the placement exam
3 hrs3 cr.
MATH 10500 - Mathematics for Elementary Education II

GER 1/B
Continuation of MATH 10400. Continuation of the content of the mathematics recommended by the NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence and similarity.
prereq: grade of C or better in MATH 10400
3 hrs 3 cr.

Curriculum Guide for Major II

Year 1

Fall

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.
Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
4 hrs (3 lec, 1 rec) 3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec) 1.5 cr.

Spring

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation;
mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology. 
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200. 
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv. 
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr. 
spring only

CHEM 12000 - Essentials of Organic Chemistry Lecture

GER 2/E
Course presents essential facts, laws and theories of organic chemistry. 
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students. 
prereq: CHEM 10000 
4 hrs (3 lec, 1 rec)3 cr.

CHEM 12100 - Essentials of Organic Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry. 
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students. 
prereq: CHEM 10100prereq or coreq: CHEM 12000 
4 hrs (3 lab, 1 rec)1.5 cr.

Year 2

Fall

- BIOL electives

PHYS 10100 - Study of Selected Phenomena and Basic Concepts of Physics

GER 2/E
Introductory one-semester physics course designed for non-science majors and others requiring a one-semester terminal course. 
6 hrs (3 lec, 3 lab)4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra. 
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam. 
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics
GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.

**prereq:** PHYS 11000 or 11100

7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

### MATH 10400 - Mathematics for Elementary Education I

GER 1/B
Fundamental and relevant mathematics as recommended by the NCTM for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers and number theory. Required of students planning to teach in elementary schools. Not open to other students.

**prereq:** grade of C or better in MATH 10100 or appropriate score on the placement exam

3 hrs 3 cr.

- EDUC course(s)

#### Spring

- BIOL electives

### MATH 10500 - Mathematics for Elementary Education II

GER 1/B
Continuation of MATH 10400. Continuation of the content of the mathematics recommended by the NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence and similarity.

**prereq:** grade of C or better in MATH 10400

3 hrs 3 cr.

- EDUC course(s)

#### Years 3 and 4

#### Fall and Spring

- BIOL electives
- EDUC course(s)

### Biological Sciences: Concentration in Behavioral Neurobiology

Return to: Biological Sciences Major I

The concentration in Behavioral Neurobiology within the Department of Biological Sciences, one of the options for Major I, has the following required courses and schedule.

**Required Courses**

**BIOL 10000 - Principles of Biology I**
GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. 
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. 
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

CHEM 22400 - Organic Chemistry Lecture II
GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms. 
_prereq:_ prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications. 
_prereq:_ grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra. 
_prereq:_ MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

**PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra. 
_prereq:_ PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

**PSYCH 10000 - Introduction to Psychology**

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs

**PSYCH 24800 - Statistical Methods in Psychological Research**

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

*PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

_prereq:_ PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or or appropriate score on math placement exam
_coreq:_ Writing Intensive
_prereq or coreq:_ ENGL 12000
4 hrs
PSYCH 25000 - Experimental Psychology: General

GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade; PSYCH 24800 with a minimum grade of C
prereq or coreq: Writing Intensive
6 hrs (2 lec, 4 lab)4 cr.

BIOL 47000 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 30000
2 hrs (lec)2 cr. per sem.

BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 300
3 hrs (lec)3 cr. per sem.

Electives

8 credits, 6 of which must be PSYCH

PSYCH 30000 - Physiological Psychology (B)

GER 3/B
Neural and endocrine mechanisms involved in learning, emotion, perception and other psychological processes.
PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs3 cr.

PSYCH 30100 - Sensation and Perception (B; C)

GER 3/B
Open to declared majors only. Methods, theories and empirical data relating to stimulus detection, encoding and perception as a function of variables including current stimuli and past history.
PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 30900 - Sex and Behavior (B; D/S)

GER 3/B PD/C
Research and attitudes about sex-related behavior in human and nonhuman animals emphasizing evolutionary and neuroendocrinological processes and social-psychological processes; male-female differences and similarities, therapeutic strategy in sex-behavior pathology and sexual behavior and the law.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 32700 - Motivation (B; C)

GER 3/B
The problem of how behavior is initiated, maintained, directed and terminated. Human and non-human research evaluated.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 36900 - Drugs and Behavior (B)

GER 3/B
Neurochemical substrate of brain functioning; historical context and social ramifications of drug use.

prereq: ENGL 12000. PSYCH 24900 or 25000, PSYCH 30000 or perm instr.
3 hrs 3 cr.

BIOL 37000 - Physiology of the Nervous System

GER 3/B
A comprehensive introduction to neuroscience. Topics include how nerve cells (neurons) transmit electrical impulses, how neurons communicate with each other through synapses and how nerve pathways and networks determine many functions of the brain. The last portion of the course shall explore how developing neurons seek out targets and establish synapses.

prereq: BIOL 30000 or perm instr.
BIOL 37600 - Endocrinology

GER 3/B
Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of metabolism and reproduction; integration of endocrine responses by the central nervous system.
prereq: BIOL 20200 or perm instr.
3 hrs (lec)3 cr.
spring only

BIOL 38000 - Molecular Neurobiology

GER 3/B
Molecular components and molecular mechanisms involved in the cell biology of neurons and glia, neuronal signaling, neuronal development, learning, memory and diseases of the nervous system.
prereq: BIOL 30000 or perm instr.
3 lec hrs3 cr.
fall alternate years

Total: 76 Credits

Schedule

A typical timetable for graduation is presented below.

Fall (Year 1) 11.5 credits

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. Primary for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

MATH 15000 - Calculus with Analytic Geometry I
GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

Spring (Year 1) 13.5 credits

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation;
mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general
chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory
sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize
the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation
and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and
their treatment, group processes.
3 hrs3 cr.

Fall (Year 2) 12 credits

BIOL 20000 - Cell Biology I: Microorganisms
GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.
coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

Spring (Year 2) 12 credits

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000
coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

Fall (Year 3) 8.5 credits

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300
coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

PSYCH 24800 - Statistical Methods in Psychological Research

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or or appropriate score on math placement exam
coreq: Writing Intensive
prereq or coreq: ENGL 12000
4 hrs 4 cr.

Spring (Year 3) 10.5 credits

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

PSYCH 25000 - Experimental Psychology: General

GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the
principles of research methodology and experimental techniques. Required research reports involve a variety of laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade; PSYC 24800 with a minimum grade of C

Writing Intensive
6 hrs (2 lec, 4 lab)4 cr.

PSYCH 30000 - Physiological Psychology (B)

GER 3/B
Neural and endocrine mechanisms involved in learning, emotion, perception and other psychological processes. PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000

3 hrs3 cr.

Fall (Year 4) 6 credits

BIOL 37600 - Endocrinology

GER 3/B
Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of metabolism and reproduction; integration of endocrine responses by the central nervous system.

prereq: BIOL 20200 or perm instr.

3 hrs (lec)3 cr.

spring only

PSYCH 36900 - Drugs and Behavior (B)

GER 3/B
Neurochemical substrate of brain functioning; historical context and social ramifications of drug use.

prereq: ENGL 12000, PSYC 24900 or 25000, PSYCH 30000 or perm instr.

3 hrs3 cr.

Spring (Year 4) 2 credits

BIOL 47000 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

prereq: BIOL 30000

2 hrs (lec)2 cr. per sem.
Biological Sciences: Concentration in Bioinformatics

Return to: Biological Sciences Major I

The requirements and schedule for the Concentration in Bioinformatics, one of the options in Biological Sciences Major I, are as follows:

Required Courses

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron mioscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000; coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300; coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

STAT 21200 - Discrete Probability

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.
prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra.

*prereq: MATH 12500 or appropriate score on placement exam.*

3 hrs3 cr.

**PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

*prereq or coreq: coreq (with perm dept.): MATH 15000*

7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

**PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.

*prereq: PHYS 11000 or 11100*

7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

**PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.

*prereq or coreq: (with perm dept.): MATH 15500*

8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

**Electives (10 credits)**

**ANTHP 30200 - Human Genetics**

Analysis of distribution of contemporary human populations and microevolutionary processes that underlie human variability

*prereq: ANTHP 10100, 10200, or BIOL 10200*

3 hrs3 cr.

**CHEM 38800 - Topics of Current Interest in Chemistry**
GER 3/B
Offered subject to adequate student interest and enrollment. Taught by specialists from department faculty. The specific topic will be listed in the schedule of classes for a given semester.

prereq or coreq: CHEM 35200 and CHEM 35600 or perm instr.
3 hrs3 cr.

BIOL 42500 - Computational Molecular Biology

GER 3/B
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of in silico biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and predication of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting. Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.

BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 300
3 hrs (lec)3 cr. per sem.

Total Credits (72 to 74 credits)

Schedule

A typical timetable for graduation is presented below.

Fall (Year 1) 11.5 credits

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

CHEM 10200 - General Chemistry I
GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

Spring (Year 1) 14.5 credits

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation;
mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general
chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory
sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series,
improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.
Fall (Year 2) 12 credits

**BIOL 20000 - Cell Biology I: Microorganisms**

GER 3/B  
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.  
$10 materials fee required.  
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.  
coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)  
7 hrs (3 lec, 3 lab, 1 disc)  
4.5 cr.  
fall only

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B  
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.  
prereq: prereq for CHEM 22200: CHEM 10400  
5-6 hrs (4 lec, 1-2 recitation/workshop)  
4 cr.

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E  
First semester of two-semester introductory physics course using algebra.  
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.  
7 hrs (3 lec, 3 lab, 1 rec)  
4.5 cr.

Spring (Year 2) 7.5 credits

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B  
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.  
prereq: prereq for CHEM 22400: CHEM 22200  
5-6 hrs (4 lec, 1-2 recitation/workshop)  
4 cr.

**PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E  
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.  
prereq: PHYS 11000 or 11100  
7 hrs (3 lec, 3 lab, 1 rec)  
4.5 cr.

Fall (Year 3) 10.5 credits

**BIOL 30000 - Biological Chemistry**
GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300
coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

CSCI 13200 - Practical UNIX and Programming, with Lab

GER 2/E
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition.
This course cannot be counted towards the CSCI major.
prereq: none
3 hrs 3 cr.

STAT 21200 - Discrete Probability

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs 3 cr.

Spring (Year 3) 6 credits

CSCI 23200 - Relational Databases and SQL Programming, with Lab

GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.
Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.
prereq: CSCI 13200
3 hrs 3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
Fall (Year 4) 5 credits

- BIOL 3XX

BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 300
3 hrs (lec)3 cr. per sem.

Spring (Year 4) 5 credits

ANTHP 30200 - Human Genetics

Analysis of distribution of contemporary human populations and microevolutionary processes that underlie human variability
prereq: ANTHP 10100, 10200, or BIOL 10200
3 hrs3 cr.

BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 300
3 hrs (lec)3 cr. per sem.

Biological Sciences: Concentration in Biophysics

Return to: Biological Sciences Major I

The requirements and timetable for graduation for the Concentration in Biophysics, one of the options in the Biological Sciences Major I, are as follows:

Required Courses

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000.coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300.coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 30200 - Molecular Genetics
GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
*prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.*

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
*prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.*
MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs 4 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100 or prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 33600 - Thermodynamics and Statistical Mechanics

Study of fundamental ideas of heat, reversibility, and entropy. Introduction to statistical nature of some physical laws.
prereq: PHYS 12000 or 12100; MATH 25000
4 hrs 4 cr.
PHYS 42000 - Introduction to Biophysics

A comprehensive introduction to the interface between physics and biology and the application of the techniques of physics to understanding biological systems, focusing on developing an understanding of the thermodynamics of living systems, on the physical kinematics of macromolecules and other biological structures and on the theory of physical techniques that are used in the study of biological systems.

 prerequisites: PHYS 33000, PHYS 33600, BIOL 30000, CHEM 37600.

4 hrs 4 cr.

Electives (any 2)

BIOL 39000 - Laboratory in Cell Structure

GER 3/B
Applications of light and electron microscopy to study of cell structure and function. Lab projects utilize thin sectioning, negative staining, scanning, darkroom printing, digital imaging and other techniques.

 prerequisites: BIOL 30000 or BIOL 20200 and perm instr.

5 hrs (1 lec/demo, 4 lab) 3 cr.

BIOL 47000 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

 prerequisites: BIOL 30000

2 hrs (lec) 2 cr. per sem.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.

 prerequisites: MATH 25000

3 hrs 3 cr.

Total Credits (77.5 to 79.5 credits)

Schedule

A typical timetable for graduation is presented below.

Fall (Year 1) 11.5 credits

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and
evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. 
*Primarily for pre-med, medical laboratory sciences and science majors.*
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications. 
*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*
4 hrs4 cr.

Spring (Year 1) 14.5 credits

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; 
mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology. 
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. 
*Primarily for premed, medical laboratory sciences and science majors.*
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general 
chemistry laboratory. 
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory 
sciences and science majors.*
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.
MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

Fall (Year 2) 13 credits

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

Spring (Year 2) 12.5 credits

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
pre: MATH 15500
4 hrs 4 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using calculus.
pre: PHYS 11000 or 11100
pre or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

Fall (Year 3) 8.5 credits

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
pre: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
pre: PHYS 12000 or 12100
pre or coreq: MATH 25000
4 hrs 4 cr.

Spring (Year 3) 8.5 credits

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
pre: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

PHYS 33600 - Thermodynamics and Statistical Mechanics
Study of fundamental ideas of heat, reversibility, and entropy. Introduction to statistical nature of some physical laws.

**prereq:** PHYS 12000 or 12100; MATH 25000

* 4 hrs 4 cr.

**Fall (Year 4) 4 credits**

**PHYS 42000 - Introduction to Biophysics**

A comprehensive introduction to the interface between physics and biology and the application of the techniques of physics to understanding biological systems, focusing on developing an understanding of the thermodynamics of living systems, on the physical kinematics of macromolecules and other biological structures and on the theory of physical techniques that are used in the study of biological systems.

**prereq or coreq:** PHYS 33000, PHYS 33600, BIOL 30000, CHEM 37600.

* 4 hrs 4 cr.

**Spring (Year 4) 5 credits**

**BIOL 39000 - Laboratory in Cell Structure**

**GER 3/B**

Applications of light and electron microscopy to study of cell structure and function. Lab projects utilize thin sectioning, negative staining, scanning, darkroom printing, digital imaging and other techniques.

**prereq or coreq:** BIOL 30000 or BIOL 20200 and perm instr.

* 5 hrs (1 lec/demo, 4 lab) 3 cr.

*fall only*

**BIOL 47000 - Special Topics in Biology**

**GER 3/B**

Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

**prereq:** BIOL 30000

* 2 hrs (lec) 2 cr. per sem.

**Biology, Chemistry, and Physics (BA): Additional Required Coursework and Student Teaching**

Return to: Adolescent Education, Grades 7-12

Return to: Biology, Major I or Chemistry - BA or Physics Option 1

**Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students**

The following courses are required as part of the 23 credit Adolescent Education sequence:

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**
Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parent-school-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

SEDF 20400 - Adolescent Development

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

SEDF 20500 - Educational Psychology: Applications in Grades 7-12

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

SEDC 21000 - Building the Foundations of Literacy in Grades 7-12

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

SEDC 22000 - Adolescent Health and Safety

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

Note

Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.

Additional Required Coursework and Student Teaching
SEDC 21300 - Methods I: Classroom Organization, Management and Instruction in Mathematics and Science, Grades 7-12

Candidates will identify the impact of various classroom organization patterns, rules and routines. Candidates will be able to design, implement and evaluate lessons in the context of state and city standards for learning in grades 7-12.

prereq or coreq: SEDF 20300, 20400
3 hrs 3 cr.

SEDC 32400 - Methods II: Teaching Diverse Learners Science, Grades 7-12

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in science. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

prereq: SEDC 21300
prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork 2 cr.

And one of the following:

SEDC 45410 - Student Teaching in Biology, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified biology teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32400
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45420 - Student Teaching in Chemistry, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified chemistry teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32400
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45430 - Student Teaching in Physics, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified physics teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32400
Chemical Engineering

Science Courses

Mathematics

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
**prereq:** grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
**prereq:** grade of C or better in MATH 15000
4 hrs 4 cr.

**MATH 25000 - Calculus with Analytic Geometry III**

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
**prereq:** MATH 15500
4 hrs 4 cr.

**MATH 25400 - Ordinary Differential Equations**

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
**prereq:** MATH 25000
3 hrs 3 cr.

Chemistry

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
**prereq or coreq:** MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.
CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

Physics

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 36000 - Atomic and Nuclear Physics for Engineers

PHYS 33500 - Intermediate Mechanics
Study of laws of motion and coordinate systems; introduction to powerful analytical techniques.

**PHYS 36500 - Analytical Mechanics**

Technical Drawing

**Other Courses**

**English**

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

**Humanities and Social Sciences**

- 3-4 courses*** 9-12

**Economics**

**ECO 20000 - Principles of Economics: Microeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

**ECO 20100 - Principles of Economics: Macroeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.

**Chemistry - BA**

**Major**
There are two chemistry majors: Major I, a 43-credit concentration in addition to an 11-credit general chemistry core, is designed to prepare the students with intensive training for professional research and graduate study. Major II consists of three options: Option 1 for students interested in the chemical industry; Option 2 (the biochemistry option) for students interested in the pharmaceutical industry, medicine, dentistry, veterinary medicine or physical therapy; Option 3 (bioinformatics option) for students interested in graduate studies in biochemistry and bioinformatics as well as pharmaceutical and biotechnology industry. Major II includes a minimum concentration of 28 credits (option 1), 26 credits (option 2), and 20.5 credits (option 3) in 200-level and above chemistry courses, in addition to an 11-credit general chemistry core. Options 1-3 are all appropriate for students pursuing teacher education programs.

Students considering a chemistry major should consult the departmental adviser during their first semester to plan the proper sequence of courses, and they are urged to consult with the adviser at least once each succeeding semester. A year of General Chemistry and the accompanying General Chemistry Laboratory are prerequisites for admission to both Major I and Major II.

- Chemistry Major I
- Chemistry Major II

Minor in Chemistry

A minor in Chemistry consists of a pre-requisite year of General Chemistry with laboratory and a minimum of 16 credits of coursework.

Prerequisite year of General Chemistry (note that MATH 12500 is a prerequisite to General Chemistry)

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10500 - General Chemistry Laboratory II**

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.
*Offered for transfer students who have completed only one semester of General Chemistry Laboratory.*
*prereq: One semester of General Chemistry Laboratory, prereq or coreq: CHEM 10400*
4 hrs (3 lab, 1 rec)1.5 cr.

**CHEM 10600 - General Chemistry Laboratory**
GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.

prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

and a minimum of 16 credits of coursework which include the following required courses:

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prerequisite for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs 2.5 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prerequisite for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

In addition, students will be required to take at least 5.5 credits of electives selected from Chemistry offerings numbered 200 or above, excluding

CHEM 29101 - Chemical Investigations

GER 3/B
Original chemical investigations under supervision of faculty member. Written report required. Enrollment for maximum of two semesters.

prereq: CHEM 22400, perm chair
4 hrs 1 cr.

Honors Work

Opportunity for an individual research experience is provided by an honors course

CHEM 49101 - Introduction to Research
GER 3/B
Open to Jr/Sr only. Similar to CHEM 29101. Written report required. Fulfills requirement for departmental honors course.

prereq: CHEM 22400, 35400, 34900, perm chair
4 hrs 1 cr.

CHEM 49102 - Introduction to Research

GER 3/B
Open to Jr/Sr only. Similar to CHEM 29102. Written report required. Fulfills requirement for departmental honors course.

prereq: CHEM 22400, 35400, 34900, perm chair
8 hrs 2 cr.

Electives

Advanced lecture courses in special areas of chemistry, and lab courses providing training in inorganic and organic chemistry and in research techniques, are offered as electives for Major I and are open to students enrolled in Major II who have fulfilled the course prerequisites.

Graduate Study

Qualified chemistry majors may be admitted to 700-level courses in the graduate program. Permission of the department is required.

Preparation for Teaching

In cooperation with the School of Education, the Department of Chemistry provides opportunities for students to prepare for careers in teaching at the elementary and secondary level in the area of chemistry. Chemistry Major II, Option I (35 credits) and Option 2 (33 credits) both satisfy the requirements for New York State certification for teachers of chemistry in Childhood Education (Grades 1-6) and Adolescent Education (Grades 7-12). For students pursuing certification as chemistry teachers at the secondary level, the 23-credit adolescent education sequence is appropriate. Students who want to qualify for New York City licensing and New York State certification for teaching in secondary schools should consult the School of Education section of this catalog for additional requirements.

Chemistry Major I

Return to Program and Courses in Chemistry

General Chemistry Core:

One year of General Chemistry Lecture and Laboratory.

CHEM 10200 - General Chemistry I
GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 10200*
*coreq: CHEM 10400*
8 hrs (6 lab, 2 rec) 3 cr.

-or-

**CHEM 11100 - Chemical Principles**

GER 2/E
In-depth introduction to chemical principles including measurement, stoichiometric calculations, inorganic nomenclature, gas laws, equilibrium, acids, bases and buffers. Emphasis is placed on problem-solving, oral presentations, and collaborative work. Laboratory and coursework emphasize analysis and evaluation of data.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500 or equiv, MATH 12600*
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop) 5.5
offered fall

**CHEM 11200 - Thermodynamics and Solution Chemistry**

GER 2/E
The study of quantum theory, atomic structure, periodic properties of the elements, kinetics, electrochemistry, and thermodynamics.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 11100*
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop) 5.5 offered spring

The major consists of a minimum of 43 credits

The requirements for this major consist of a minimum of 43 credits in chemistry. This major is recommended for students preparing for admission to graduate school or for careers in chemical research. It will also be useful to students
Seeking a position in the chemical or allied industries, as it is accredited by the Committee on Professional Training of the American Chemical Society.

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

*prereq: CHEM 10400*

5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

**CHEM 22300 - Organic Chemistry Laboratory I**

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

*prereq: CHEM 10500*
*prereq or coreq: CHEM 22200*

5 hrs 2.5 cr.

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

*prereq: CHEM 22200*

5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

**CHEM 22500 - Organic Chemistry Laboratory II**

GER 3/B
Continuation of CHEM 22300.

*prereq: CHEM 22200, 22300*
*prereq or coreq: CHEM 22400*

5 hrs 2.5 cr.

**CHEM 24900 - Quantitative Analysis**

GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of quantitative analysis such as pH and metal ion titrations, spectroscopic analysis including gas chromatography, electronic absorption, and fluorescence.

*prereq: CHEM 10400, 10500*

5 hrs (4 lab, 1 rec) 3 cr.

**CHEM 34900 - Instrumental Analysis**

GER 3/B
Principles of modern instrumental techniques; emphasis on spectroscopic and electrometric methods.
prereq: CHEM 35400 or 35600 with 35500
8 hrs (2 lec, 6 lab) 5 cr

CHEM 35200 - Physical Chemistry I

GER 3/B
Ideal and real gases. Laws of thermodynamics with applications to properties of solutions and phase equilibria in general.

prereq: CHEM 24900, MATH 15500, PHYS 12100
3 hrs 3 cr.
offered fall

CHEM 35400 - Physical Chemistry II - F

GER 3/B
Selected topics from statistical thermodynamics, electrochemistry, kinetic theory and rate processes.

prereq: CHEM 35200, MATH 25000
3 hrs 3 cr.
offered fall

-or-

CHEM 35600 - Physical Chemistry II - S

GER 3/B
Selected topics from quantum chemistry, molecular structure, and spectroscopy.

prereq: PHYS 12100, CHEM 24900, MATH 15500
3 hrs 3 cr.
offered spring

-with-

CHEM 35500 - Physical Chemistry Laboratory I

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35200 on chemical systems.

prereq: CHEM 24900
prereq or coreq: CHEM 35200
3 hrs 1.5 cr.
offered fall

CHEM 35700 - Physical Chemistry Laboratory II

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35600 on chemical systems.

prereq: CHEM 24900 or perm chair
prereq or coreq: CHEM 35600
3 hrs1.5 cr.
offered spring

CHEM 36600 - Inorganic Chemistry

GER 3/B
Treatment of structure, bonding and reactivity of inorganic compounds.

prereq: CHEM 35200
3 hrs3 cr.

CHEM 37600 - Biochemistry I

GER 3/B
Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

prereq: CHEM 22400
4 hrs (3 lec, 1 rec)3 cr.
offered fall

CHEM 39000 - Current Laboratory Methods in Chemistry

GER 3/B
Offered subject to adequate student interest and enrollment. Taught by specialists from department faculty. The specific topic will be listed in the schedule of classes for a given semester.

prereq or coreq: CHEM 35700 or perm instr.
4 hrs2 cr.

One further laboratory course must be chosen from (research), (honors research) or the following

CHEM 29102 - Chemical Investigations

GER 3/B
Original chemical investigations under supervision of faculty member. Written report required. Enrollment for maximum of two semesters.
prereq: CHEM 22400, perm chair
8 hrs2 cr.

-or-

CHEM 49102 - Introduction to Research

GER 3/B
Open to Jr/Sr only. Similar to CHEM 29102. Written report required. Fulfills requirement for departmental honors course.
CHEM 22400, 35400, 34900, perm chair
8 hrs2 cr.

-or-

**CHEM 37800 - Biochemistry Laboratory**

GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of biochemistry such as protein analysis, enzyme purification, enzymatic assays, recombinant DNA and the polymerase chain reaction.

prereq: CHEM 22300 and CHEM 37600 or CHEM 64000
5 hrs (4 lab, 1 rec)3 cr.

In addition, one additional lecture course must be chosen from among the following:

**CHEM 32200 - Organic Chemistry Lecture III**

GER 3/B
Selected topics such as advanced synthesis, reaction mechanisms, MO theory, natural products, NMR spectroscopy.

prereq: CHEM 22400, perm instr.
3 hrs3 cr.

**CHEM 35400 - Physical Chemistry II - F**

GER 3/B
Selected topics from statistical thermodynamics, electrochemistry, kinetic theory and rate processes.

prereq: CHEM 35200, MATH 25000
3 hrs3 cr.
offered fall

**CHEM 35600 - Physical Chemistry II - S**

GER 3/B
Selected topics from quantum chemistry, molecular structure, and spectroscopy.

prereq: PHYS 12100, CHEM 24900, MATH 15500
3 hrs3 cr.
offered spring

**CHEM 37700 - Biochemistry II**

GER 3/B
Biosynthesis of lipids, amino acids, carbohydrates. Muscle contraction, hormones, immune response, DNA sequencing.

prereq: CHEM 37600 or BIOL 30000 or perm instr.
Also acceptable for completion of Major I are

**PHYS 33000 - Atomic and Nuclear Physics**

Examines experimental evidence and develops modern view of structure of atom and nucleus.

*prereq: PHYS 12000 or 12100 or coreq: MATH 25000*

3 hrs 3 cr.

-or-

**PHILO 36200 - Theory of Knowledge (W)**

GER 3/A

Study of origin, structure, methods and foundations of human knowledge.

*prereq: Two courses in philosophy, at least one of which is at the 200 level.*

3 hrs 3 cr.

-or-

**PHILO 37900 - Philosophy of Science (W)**

GER 3/B

Study of foundations of knowledge in natural and social sciences.

*prereq: Two courses in philosophy, at least one of which is at the 200 level.*

3 hrs 3 cr.

**Additional Information**

Students should be aware, however, that if either of the philosophy courses is used to complete the Major I requirements, the major will not be eligible for accreditation by the American Chemical Society.

One year of physics, and four semesters of mathematics, are also required for this major

**PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E

For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

*prereq or coreq: coreq (with perm dept.): MATH 15000*

8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

**PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E

Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs 4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs 3 cr.
-or-

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
prereq: MATH 15600prereq or coreq: MATH 25000
4 hrs 4 cr.

Additional Information

CHEM 24900, MATH 15000 and MATH 15500, and PHYS 12100 are prerequisites for CHEM 35200 and should be completed by the end of the sophomore year.

Major I is required of all students who wish to be considered for certification by the American Chemical Society upon graduation. It is recommended for all students intending to enter the profession of chemistry through either graduate
study or employment in industry or government. Students who can attend only in the evenings should consult the department adviser regarding the feasibility of completing Chemistry Major I.

Chemistry Major II

Return to Programs and Courses in Chemistry

General Chemistry Core:

One year of General Chemistry Lecture and Laboratory

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

*Primarily for pre-med, medical laboratory sciences and science majors.*

*prereq or coreq: MATH 12500, 12600 or equiv.*

5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

*Primarily for premed, medical laboratory sciences and science majors.*

*prereq: CHEM 10200 or CHEM 10000 with perm chair*

5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*

*prereq: CHEM 10200*

*coreq: CHEM 10400*

8 hrs (6 lab, 2 rec)3 cr.

-or-

**CHEM 11100 - Chemical Principles**

GER 2/E
In-depth introduction to chemical principles including measurement, stoichiometric calculations, inorganic nomenclature, gas laws, equilibrium, acids, bases and buffers. Emphasis is placed on problem-solving, oral presentations, and collaborative work. Laboratory and coursework emphasize analysis and evaluation of data.

*Primarily for pre-med, medical laboratory sciences and science majors.*

*prereq or coreq: MATH 12500 or equiv, MATH 12600*

10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5

offered fall
CHEM 11200 - Thermodynamics and Solution Chemistry

GER 2/E
The study of quantum theory, atomic structure, periodic properties of the elements, kinetics, electrochemistry, and thermodynamics.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 11100
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5 offered spring

Option 1:
For students interested in a career in the chemical industry. It consists of a minimum of 28 credits in chemistry above the introductory level and an 11-credit general chemistry core for a minimum total of 39 credits of chemistry. One year of physics and three semesters of calculus are also required.

Required chemistry courses:

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs2.5 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22500 - Organic Chemistry Laboratory II

GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
prereq or coreq: CHEM 22400
5 hrs2.5 cr
CHEM 24900 - Quantitative Analysis

GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of quantitative analysis such as pH and metal ion titrations, spectroscopic analysis including gas chromatography, electronic absorption, and fluorescence.

*prereq: CHEM 10400, 10500
5 hrs (4 lab, 1 rec) 3 cr.*

CHEM 35200 - Physical Chemistry I

GER 3/B
Ideal and real gases. Laws of thermodynamics with applications to properties of solutions and phase equilibria in general.

*prereq: CHEM 24900, MATH 15500, PHYS 12100
3 hrs 3 cr.
offered fall*

CHEM 35400 - Physical Chemistry II - F

GER 3/B
Selected topics from statistical thermodynamics, electrochemistry, kinetic theory and rate processes.

*prereq: CHEM 35200, MATH 25000
3 hrs 3 cr.
offered fall*

-or-

CHEM 35600 - Physical Chemistry II - S

GER 3/B
Selected topics from quantum chemistry, molecular structure, and spectroscopy.

*prereq: PHYS 12100, CHEM 24900, MATH 15500
3 hrs 3 cr.
offered spring*

CHEM 35500 - Physical Chemistry Laboratory I

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35200 on chemical systems.

*prereq: CHEM 24900
prereq or coreq: CHEM 35200
3 hrs 1.5 cr.
offered fall*

CHEM 35700 - Physical Chemistry Laboratory II
GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35600 on chemical systems.

prereq: CHEM 24900 or perm chair
prereq or coreq: CHEM 35600
3 hrs1.5 cr.
offered spring

Required elective course:

- Any chemistry course at the 300 level or above excluding CHEM 49101.

Required allied courses:

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000
4 hrs4 cr.

**MATH 25000 - Calculus with Analytic Geometry III**

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

prereq: MATH 15500
4 hrs4 cr.

**PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

**PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

Option 2 (Biochemistry option):

For students preparing for admission to medical, dental, veterinary schools or physical therapy programs, or for students interested in a career in the pharmaceutical industry. It consists of a minimum of 26 credits above the introductory level and an 11-credit general chemistry core for a minimum total of 37 credits of chemistry. One year of physics, one year of biology and one year of calculus are also required.

Required chemistry courses:

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**CHEM 22300 - Organic Chemistry Laboratory I**

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs2.5 cr.

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**CHEM 22500 - Organic Chemistry Laboratory II**

GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
prereq or coreq: CHEM 22400
5 hrs2.5 cr

**CHEM 35000 - Biophysical Chemistry**

GER 3/B
Essential physical chemical principles as applied to biological problems. Emphasis on kinetics, thermodynamics, and equilibria.
CHEM 22400, BIOL 10200, MATH 15000
5 hrs (4 lec, 1 rec) 4 cr
offered fall

CHEM 37600 - Biochemistry I
GER 3/B
Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

prereq: CHEM 22400
4 hrs (3 lec, 1 rec) 3 cr.
offered fall

CHEM 37800 - Biochemistry Laboratory
GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of biochemistry such as protein analysis, enzyme purification, enzymatic assays, recombinant DNA and the polymerase chain reaction.

prereq: CHEM 22300 and CHEM 37600 or CHEM 64000
5 hrs (4 lab, 1 rec) 3 cr.

Required elective course:

- Any chemistry course at the 200-level or above (excluding CHEM 29101 and CHEM 29500)

BIOL 20000 - Cell Biology I: Microorganisms
GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv. coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 20200 - Cell Biology II: Eucaryotic Systems
GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000 coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

Required allied courses:

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.
PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

Option 3 (Bioinformatics option):

For students interested in graduate studies in biochemistry and bioinformatics as well as the pharmaceutical and biotechnology industry. In order to enroll in this Option, students must earn an average grade of B- or above in CHEM 10400, CHEM 22200, BIOL 10000, and MATH 15000. In addition, no more than one C grade is allowed in these four courses to declare Option 3. This option consists of a minimum of 20.5 credits above the introductory level and an 11-credit general chemistry core for a minimum total of 32 credits of chemistry. Three semesters of biology, one year of physics, one year of computer science, one year of calculus, and one semester of statistics are also required.

Required chemistry courses:

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prerequisite for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22500 - Organic Chemistry Laboratory II

GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
prereq or coreq: CHEM 22400
5 hrs2.5 cr

CHEM 35000 - Biophysical Chemistry

GER 3/B
Essential physical chemical principles as applied to biological problems. Emphasis on kinetics, thermodynamics, and equilibria.

prereq: CHEM 22400, BIOL 10200, MATH 15000
5 hrs (4 lec, 1 rec)4 cr
offered fall

CHEM 37600 - Biochemistry I

GER 3/B
Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.
CHEM 22400
4 hrs (3 lec, 1 rec)3 cr.
offered fall

CHEM 37700 - Biochemistry II

GER 3/B
Biosynthesis of lipids, amino acids, carbohydrates. Muscle contraction, hormones, immune response, DNA sequencing.

prereq: CHEM 37600 or BIOL 30000 or perm instr.
3 hrs3 cr.
offered spring

Required allied courses:

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.
PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

CSCI 13200 - Practical UNIX and Programming, with Lab

GER 2/E
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition.
This course cannot be counted towards the CSCI major.
prereq: none
3 hrs3 cr.

CSCI 23200 - Relational Databases and SQL Programming, with Lab

GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.
Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.
prereq: CSCI 13200
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

Childhood Education (QUEST) Grades 1-6 - BA

1000 Hunter West; (212) 772-4624
QUEST Program Overview

The Quality Urban Elementary School Teacher (QUEST) program is an undergraduate childhood teacher education program that prepares students to become New York State certified teachers of childhood education grades 1-6. QUEST is a 30-credit program completed over either four or six semesters that includes extensive field experiences attached to courses. The six-semester sequence is designed for students who enter Hunter College as freshmen. The four-semester sequence is designed for transfer students and other students who do not apply to QUEST until they have completed 40 or more credits.

QUEST is committed to the preparation of urban elementary school teachers who can deal effectively with the wide range of diverse learning needs found among the City’s students. QUEST collaborates closely with New York City public schools to provide outstanding field experiences for students.

The program of study for the BA degree at Hunter College consists of a minimum of 120 credits. All students must major in one of the following liberal arts or sciences subjects: English language arts, English, history, geography, social studies (available as a major in the geography department), mathematics, biology or chemistry. QUEST serves as a collateral major in addition to a student's major in Hunter's School of Arts and Sciences. Students must also complete the college General Education Requirement (GER), which consists of a core and graduation requirements in writing, pluralism and diversity and in a foreign language. Because the QUEST program requires MATH 10400, students are exempt from GER/Stage 3, Group B.

Required Coursework in Liberal Arts and Sciences

Teachers in elementary schools

Teachers in elementary schools are required to teach all subject areas in the curriculum and thus need a broad liberal arts background in addition to specialized knowledge of teaching. Therefore, students will be required to complete the following liberal arts and sciences courses, or their equivalent (most of these courses can be taken within the college’s General Education Requirement):

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

*prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.*

**ENGL 22000 - Introduction to Literature**

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students' understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.

*prereq: ENGL 12000
3 hrs + conf 3 cr.*

**GEOG 10100 - People and Their Environment**
GER 2/B
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. Contemporary economic, political and social patterns and problems are discussed.

3 hrs 3 cr.
offered fall and spring.

HIST 15100 - The United States from the Colonial Era to the Civil War (W)

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 15200 - The United States from the Civil War Era to the Present (W)

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

MATH 10400 - Mathematics for Elementary Education I

GER 1/B
Fundamental and relevant mathematics as recommended by the NCTM for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers and number theory. Required of students planning to teach in elementary schools. Not open to other students.
prereq: grade of C or better in MATH 10100 or appropriate score on the placement exam
3 hrs 3 cr.

MATH 10500 - Mathematics for Elementary Education II

GER 1/B
Continuation of MATH 10400. Continuation of the content of the mathematics recommended by the NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence and similarity.
prereq: grade of C or better in MATH 10400
3 hrs 3 cr.

- Two semesters of science, at least one of which is a laboratory science,*
- 6 credits in the arts (courses in ARTCR, ARTH, FILM, MUSHL, THEA),**
- At least 6 credits in the study of a language other than English (The Hunter College GER/foreign language requirement is 12 credits or the equivalent.)
Students in the childhood education

Two additional courses that are required for students in the childhood education program are

**CSCI 11500 - Computer Technology in Childhood Education**

Open only to students in QUEST program. Students learn to use a number of software tools and applications that can be infused into the curriculum of the elementary school. Includes a focus on information retrieval using Internet resources and use of such application packages as Miosoft Excel, Miosoft Power Point, Inspiration and Timeliner.

*prereq or coreq: QSTA 40000
3 hrs (1 lec, 2 lab)2 cr.*

**HED 31400 - Health Education for the Classroom Teacher**

The preparation of the elementary educator to assist children in grades 1-6 in making decisions for optimum health and wellness, including nutrition education and fitness; mental/emotional health and conflict resolution; drug education; stress management; safety education including fire safety; family living/sex education including HIV/AIDS education and orientation issues; personal safety and the role of the classroom teacher as a mandated reporter of child abuse and neglect; environmental health; and violence prevention.

*prereq: QSTB 20200, QSTF 30100prereq or coreq: QSTF 30200
3 hrs3 cr.*

Note(s)

* Computer Science does not count as a science course in meeting this requirement.

** Courses in FLMP, MED, MEDP do not meet the arts requirements.

Admissions Requirements

Six-semester sequence for students entering Hunter College as freshmen

1. 30 credits in liberal arts and sciences***
2. Minimum GPA of 2.8
3. Prerequisite for MATH 10400: either a score high enough on the CUNY COMPASS to be placed in MATH 104 or completion of MATH 10100
4. ENGL 12000 (or a 200- or 300-level writing course), with a grade of B or better
5. Declaration of an appropriate liberal arts and sciences major: biology, chemistry, English, English language arts, geography, history, social studies (an option within the geography major), or mathematics

Four-semester sequence for transfer students and other Hunter College students who apply after completing 40 credits

1. Transfer students may enter the program with 40 to 72 credits. (Students with more than 72 credits should complete their liberal arts and sciences major and apply to the master’s degree program in childhood
education)

2. Transfer students with 60 or more credits, a GPA of 3.3 or better and a grade of B or better in ENGL 12000 do not have to present Hunter College grades. Transfer students with GPAs between 2.75 and 3.29 will have to complete 12 credits of coursework at Hunter College with a GPA of at least 2.8 before a final decision will be made on their application to QUEST.

3. Transfer students must meet all other requirements listed above for admission as well as the progress standards that follow.

Note(s)

***Students may apply to QUEST if the total of their completed credits plus credits in which they are currently enrolled is at least 30 credits.

Progress Standards

Students must receive grades of C or better in required coursework in liberal arts and sciences and in QUEST courses that do not include fieldwork. QUEST fieldwork courses require a grade of B or better. All QUEST courses are repeatable once by students who have received a grade of C-, D+ or D in a non-fieldwork course or a grade below B in a fieldwork course. Students must officially reregister for these courses. Students who receive an F in any course or a D+ or D in fieldwork may not continue in the program. Students must also maintain a GPA of at least 2.8 throughout the QUEST program.

In order to register for QSTA 40600 Teaching and Learning Mathematics in the Elementary School, students must have completed MATH 10400 and MATH 10500. Transfer students may be allowed to enroll in QSTA 40600 after completing MATH 10400 and registering for MATH 10500 if their progress through the QUEST program would be delayed by the requirement for MATH 105 as a prerequisite with the approval of the program coordinator.

In order to register for QSTA 41400 Teaching Science in Elementary Schools, students must have completed two courses in science, at least one of which must be a laboratory science.

In order to register for QSTA 41200 Teaching Social Studies through Literature, the Arts and Technology in Elementary Schools, students must have completed HIST 15100 and HIST 15200, or one of these courses plus GEOG 10100.

Students should register to take the Liberal Arts and Sciences Test (LAST) and the Assessment of Teaching Skills – Written (ATS-W) of the New York State Teacher Certification Examinations during their junior year. Students will not be allowed to enroll in Student Teaching (QSTA 41500) until their scores on the LAST and ATS-W have been received by the QUEST field placement coordinator. Students who do not pass the LAST must enroll in the School’s Reading and Writing Workshop for Teachers before being allowed to register for any additional courses.

Chinese Language and Literature - BA

Return to Classical and Oriental Studies

Major

The major in Chinese language and literature consists of 24 credits chosen from the following CHIN-prefixed courses:
CHIN 20100 - Intermediate Chinese I

Reading of literature in baihua (vernacular style) with emphasis on structural use of “function words” and vocabulary-building.

prereq: CHIN 10200 or equiv.
3 hrs 3 cr.
offered fall

CHIN 20200 - Intermediate Chinese II

Continued reading of literature in baihua.

prereq: CHIN 20100 or equiv.
3 hrs 3 cr.
offered spring

CHIN 30100 - Journalistic Chinese Literature I

Intensive reading of literature and essays written in journalistic style.

prereq: CHIN 20200 or equiv.
3 hrs 3 cr.
offered fall

CHIN 30200 - Journalistic Chinese Literature II

Intensive reading and translation of literature written in journalistic style.

prereq: CHIN 30100 or equiv.
3 hrs 3 cr.
offered spring

CHIN 30300 - Classical Chinese Literature I

Intensive study of literature written in wenyan or classical style, with attention to basic structures of literary styles.

prereq: CHIN 20200 or equiv.
3 hrs 3 cr.
offered fall

CHIN 30400 - Classical Chinese Literature II

Continuation of CHIN 303. Selected readings in literature written in wenyan or classical style.

prereq: CHIN 303 or equiv.
3 hrs 3 cr.
offered spring

CHIN 30700 - Classical Chinese Poetry

PD/A
Close textual and stylistic analysis of texts selected from standard verse forms, with emphasis on Tang shi.

prereq: CHIN 30400 or equiv.
3 hrs 3 cr.
CHIN 40100 - Advanced Studies in Chinese Literature

Including 20th-century literature, poetry; etymology and vocabulary building; Chinese-English translation.

*prereq: CHIN 30200 or equiv, perm chair
*3 hrs 3 cr.

CHIN 40200 - Independent Study in Chinese Literature

Independent study and research in Chinese literature under supervision of a faculty member.

*For majors only.
*prereq: CHIN 40100, perm chair
*3 hrs 3 cr.

Preparation for Teaching Chinese in Grades 7-12

Students preparing to teach Chinese must complete a 30-credit major option for teaching that includes the 24-credit sequence taken by non-teaching majors plus 9 additional credits: CHIN 39900 and 6 credits in Chinese language and literature at the 300 or 400 level. Students interested in teaching Chinese in New York schools should take the 23-credit pedagogical sequence for grades 7-12; this sequence may count toward the course requirements for New York State certification, but will not by itself be sufficient for certification. Students interested in a teaching career should consult with the School of Education.

Minor in Chinese

The minor in Chinese consists of 12 credits. Students must take 4 courses at or above the CHIN 200 level taught in Chinese. Course prerequisites must be satisfied. Internships and independent studies do not count toward the minor. Consult the Chinese program adviser for appropriate course recommendations.

Advanced Placement and Exemptions

Students who elect to take Chinese as their required language and have studied the language abroad or at home must consult the head of the Chinese Division for advanced placement or exemptions. The Chinese program does not offer proficiency tests.

Electives

All courses, unless otherwise stated in course descriptions, are open to qualified students majoring in other disciplines.

Chinese: Other Courses

Language Courses

CHIN 10100 - Elementary Chinese I

Beginning course in Mandarin.

*CHIN 10100 not credited without CHIN 10200.*
*3 hours 3 credits
*offered fall*
CHIN 10200 - Elementary Chinese II

Beginning course in Mandarin.
3 hours 3 credits
offered spring

CHIN 10500 - Chinese Writing System and Calligraphy I

Beginning course in learning the basics about writing Chinese characters, methods of analysis, and mastery of common radicals and characters.
3 hours 3 credits
offered fall

CHIN 10600 - Chinese Writing System and Calligraphy II

Continued instruction in topics related to the development of Chinese scripts, printing, and calligraphy, and mastery of additional common characters.
prereq: CHIN 10500 or equivalent
3 hours 3 credits
offered spring

CHIN 30600 - 20th-century Chinese Literature

PD/A
Selected readings of leading thinkers and writers.
prereq: CHIN 20200 or equiv.
3 hrs 3 cr.

CHIN 39900 - Second Language Acquisition

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.
prereq: at least three courses at the 300 level in the language, ENGL 12000
3 hrs 3 cr.

Chinese Culture and Literature in Translation

CHIN 11100 - Chinese Culture I

GER 2/C PD/A
Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English.
3 hrs 3 cr.

CHIN 11200 - Chinese Culture II

GER 2/C PD/A
Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.
3 hrs 3 cr.
CHIN 21100 - Topics in Chinese Culture

Topics include Chinese religion, Buddhism, archaeology, Daoism and theatre.
3 hrs3 cr.

CHIN 25100 - Topics in Chinese Literature in English Translation (W)

GER 2/C
Including 20th-century literature, contemporary literature.
prereq: ENGL 12000
3 hrs3 cr.

CHIN 35500 - Classical Chinese Fiction in English Translation (W)

GER 3/A PD/A
Introduction to Chinese fictional writings from early times to 19th century, e.g., Dream of the Red Chamber, Monkey, All Men Are Brothers, Romance of the Three Kingdoms.
prereq: ENGL 12000
3 hrs3 cr.

CHIN 35700 - Chinese Poetry in English Translation (W)

GER 3/A PD/A
Major poets from the earliest times to the present day, with emphasis on the Tang period.
prereq: ENGL 12000
3 hrs3 cr.

Civil Engineering

Science Courses

Mathematics

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.
MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs3 cr.

Chemistry

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

Geology

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics,
Physics

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100prereq or coreq: MATH 25000
4 hrs4 cr.

PHYS 36000 - Atomic and Nuclear Physics for Engineers

Technical Drawing

Other Courses

English

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf3 cr.

Humanities and Social Sciences
Economics

**ECO 20000 - Principles of Economics: Microeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
*prereq: MATH 10100 or exemption from the course
3 hrs3 cr.*

**ECO 20100 - Principles of Economics: Macroeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.
*prereq: MATH 10100 or exemption from the course
3 hrs3 cr.*

Classical Archaeology (Interdepartmental) - BA

Return to Classical and Oriental Studies

24 credits from the interdepartmental course pool, including

**CLA 20400 - Introduction to Classical, Near Eastern, and Egyptian Archaeology (W)**

GER 2/C
Introduction to ancient archaeology, including Greece and Rome, Mesopotamia, Egypt, Anatolia, and the Levant.
*prereq: ENGL 12000
3 hrs3 cr.*

**CLA 22000 - Aegean Archaeology (W)**

GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.
*prereq: ENGL 12000, CLA 20400
3 hrs3 cr.*

**CLA 22100 - Greek Archaeology (W)**

GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.
*prereq: ENGL 12000; CLA 20400
3 hrs3 cr.*
CLA 22200 - Roman Archaeology (W)

GER 3/A PD/D
Etruscans, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery. 
prereq: ENGL 12000; CLA 20400
3 hrs3 cr.
• with a corequisite of 12-14 credits of Greek or Latin.

Additional Information

Offered within the interdepartmental archaeology major.

Preparation for Teaching in Grades 7-12

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.

Honors and Tutorials

Departmental honors in classics and tutorials are open only to majors.

Classics: Minors

Classical Studies

A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.

Classical Archaeology

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.

Greek

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.

Latin

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

Courses in Archaeology

CLA 22000 - Aegean Archaeology (W)
GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22100 - Greek Archaeology (W)

GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.
prereq: ENGL 12000; CLA 20400
3 hrs 3 cr.

CLA 22200 - Roman Archaeology (W)

GER 3/A PD/D
Etruscan, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery.
prereq: ENGL 12000; CLA 20400
3 hrs 3 cr.

CLA 22500 - Archaeology of Egypt (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Egypt, Giza, Thebes, Amarna; hieroglyphs, literature, tombs, religion, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22700W - Archaeology of Eastern Mediterranean

GER 3/A PD/A
Cyprus, Southern Anatolia, Phoenicia, and Palestine, especially in Bronze Age.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 32200 - Archaeology of Mesopotamia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Mesopotamia. First villages, tombs of Ur, ziggurats, palaces, tablet literature.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 32300 - Archaeology of Anatolia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Anatolia: Catal Huyuk, Troy, the Hittites, royal tombs of Phrygia and Lycia.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 32900 - Problems in Archaeology
Exploration in depth of particular area or period in Old World archaeology. Topics vary.

**prereq:** ENGL 12000, two courses in classical archaeology
3 hrs. 3 cr.

**CLA 33000 - Field Seminar in Archaeology**

Open to majors only. Fieldwork, undertaken during a school semester or summer, under auspices of department or in an approved program, teaching excavation, or field school.

**prereq:** ENGL 12000, perm dept.
6 cr. maximum

**ANTHC 12600 - Introduction to Prehistoric Archaeology**

**GER 2/B**
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs. 3 cr.
offered every sem.

**ANTHC 12700 - Introduction to Archaeological Techniques**

Strategies of data collection; determination of age of deposits, environmental reconstruction, examination of artifacts.

**prereq:** ANTHC 12600 or perm instr.
3 hrs. 3 cr.

**ANTHC 22600 - Archaeology of Africa**

**GER 3/B PD/A**
Prehistory; origins, adaptations, cultural evolution of early hominids; origins of agriculture, early complex societies.

**prereq:** ANTHC 12600 or perm instr.
3 hrs. 3 cr.

**ANTHC 22700 - Archaeology of Europe**

**GER 3/B PD/D**
Prehistory; early hunting and gathering adaptations, beginnings of sedentary village life, development of complex societies.

**prereq:** ANTHC 12600 or perm instr.
3 hrs. 3 cr.

**ANTHC 22800 - Archaeology of the Near East to 2000 BC**

**GER 3/B PD/A**
Sociocultural development of Near East from early hunter-gatherers to first states and empires.

**prereq:** ANTHC 12600 or perm instr.
3 hrs. 3 cr.

**ANTHC 23100 - Archaeology of Mesoamerica**

**GER 3/B**
Sociocultural development from early hunter-gatherers to first pre-Hispanic states and empires.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 23200 - Archaeology of South America and the Caribbean

GER 3/B
Sociocultural development from early hunter-gatherers to first pre-Hispanic states and empires.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 42600 - Seminar in Archaeological Field Methods

Introduction to field methods and techniques in survey and excavation; involves weekend fieldwork on nearby sites. Depending on topic, may meet PD/B or D.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

Classical Studies - BA

Return to Classical and Oriental Studies

12-14 credits of either Greek or Latin, including

GRK 10100 - Beginning Greek

GRK 101 not credited without GRK 102.
8 hrs 8 cr.
offered fall

GRK 10200 - Beginning Greek

GRK 10100 not credited without GRK 10200.
8 hrs 8 cr.
offered spring

or

LAT 10100 - Beginning Latin

LAT 10100 not credited without LAT 10200.
8 hrs 8 cr.
offered fall

LAT 10200 - Beginning Latin

8 hrs 8 cr.
offered spring

- 12 credits of classics courses given in English (CLA prefix), including two courses at the 300 level
CLA 101 and CLA 110 do not count toward the major.

Preparation for Teaching in Grades 7-12

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.

Honors and Tutorials

Departmental honors in classics and tutorials are open only to majors.

Classics: Minors

Classical Studies

A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.

Classical Archaeology

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.

Greek

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.

Latin

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

Courses in Classical Studies

CLA 10100 - Classical Mythology

GER 2/C PD/D
Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and theories.
3 hrs 3 cr.

CLA 11000 - The Greek and Latin Roots of English
GER 2/C
Elements of language structure; how languages work; elements of Latin and Greek in English vocabulary.
3 hrs 3 cr.

CLA 20100 - Greek Civilization (W)

GER 2/C PD/D
Ancient Greek culture: art and literature, religion, philosophy, economics, politics, education, and athletics.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 20200 - Hellenistic Civilization (W)

GER 3/A PD/D
The Mediterranean world after Alexander the Great: synthesis of Greek and oriental cultures.
prereq: ENGL 12000, CLA 20100 or 20400
3 hrs 3 cr.

CLA 20300 - Roman Civilization (W)

GER 2/C PD/D
Ancient Roman culture: art and literature, law, architecture, engineering, economics, popular culture, leisure activities.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 20400 - Introduction to Classical, Near Eastern, and Egyptian Archaeology (W)

GER 2/C
Introduction to ancient archaeology, including Greece and Rome, Mesopotamia, Egypt, Anatolia, and the Levant.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 21000 - The Greek and Roman Theatre (W)

GER 3/A
Components and functions of classical theatre: myth and ritual; mask and costume; staging and production; buildings.
prereq: ENGL 12000; CLA 20100 or 25000
3 hrs 3 cr.

CLA 22000 - Aegean Archaeology (W)

GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22100 - Greek Archaeology (W)
GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.
prereq: ENGL 12000; CLA 20400
3 hrs 3 cr.

CLA 22200 - Roman Archaeology (W)

GER 3/A PD/D
Etruscans, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery.
prereq: ENGL 12000; CLA 20400
3 hrs 3 cr.

CLA 22500 - Archaeology of Egypt (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Egypt, Giza, Thebes, Amarna; hieroglyphs, literature, tombs, religion, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22700W - Archaeology of Eastern Mediterranean

GER 3/A PD/A
Cyprus, Southern Anatolia, Phoenicia, and Palestine, especially in Bronze Age.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 24000 - Topics in Classics

Examination of specific areas of classical culture, such as literature, language, or numismatics.
prereq: ENGL 120
3 hrs 3 cr.

CLA 25000 - Greek and Roman Tragedy (W)

GER 2/C PD/D
A study of plays of Aeschylus, Sophocles, Euripides, and Seneca in their literary, religious, and social contexts.
prereq: ENGL 12000 recom: CLA 10100
3 hrs 3 cr.

CLA 25100 - Ancient Comedy (W)

GER 2/C PD/D
Aristophanes, Menander, Plautus, and Terence, with a consideration of their influence on Western comic tradition.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 25300 - Homer and Vergil (W)

GER 2/C PD/D
Ancient narrative song and poetry, with emphasis on the Iliad and Odyssey of Homer and the Aeneid of Vergil.
prereq: ENGL 12000 recom: CLA 10100
3 hrs 3 cr.

CLA 25400 - The Ancient Novel in Translation (W)

GER 3/A PD/D
Greek and Roman prose fiction-Petronius' Satyricon, Apuleius' Golden Ass, Achilles Tatuis' Leucippe, Longus' Daphnis and Chloe, and Heliodorus' Ethiopian Tale.
prereq: ENGL 22000 or perm instr.
3 hrs 3 cr.

CLA 30200 - Comparative Backgrounds of Classical Mythology (W)

GER 3/A PD/D
Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hittite, Ugaritic, and Celtic myths.
prereq: ENGL 12000; CLA 10100
3 hrs 3 cr.

CLA 30300 - Religion of Ancient Greece (W)

GER 3/A
The Ancient Greek religious experience: official rites, mystery cults, oracles, personal religious belief, and practice.
prereq: ENGL 12000, CLA 10100 or 20100
3 hrs 3 cr.

CLA 30400 - Pagans and Christians (W)

GER 3/A PD/D
Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

CLA 30500 - Women and Slaves in Classical Antiquity (W)

GER 3/A PD/C or D
Women and slaves in Greek and Roman society and their influence on Western attitudes about sex and class.
cross-listed WGS 30500 (W)
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

CLA 30600 - Special Studies in Ancient Greek Culture

Examination of specific areas of Greek life. Topics vary from year to year.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 30700 - Special Studies in Ancient Roman Culture
PD/D
Examination of specific areas of Roman life. Topics vary from year to year.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 30800 - Magic and Science in the Ancient World (W)

GER 3/A
The interaction of scientific and magical world views in Greek, Roman and Near Eastern antiquity from the invention of writing to the origins of alchemy.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

CLA 31000 - Ancient Sports and Spectacles (W)

GER 3/A PD/D
An exploration of ancient Greek and Roman sports and spectacles, focusing on evidence supplied by literary texts, archaeology, and the visual arts.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

CLA 32200 - Archaeology of Mesopotamia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Mesopotamia. First villages, tombs of Ur, ziggurats, palaces, tablet literature.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 32300 - Archaeology of Anatolia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Anatolia: Catal Huyuk, Troy, the Hittites, royal tombs of Phrygia and Lycia.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 32900 - Problems in Archaeology

Exploration in depth of particular area or period in Old World archaeology. Topics vary.
prereq: ENGL 12000, two courses in classical archaeology
3 hrs 3 cr.

CLA 33000 - Field Seminar in Archaeology

Open to majors only. Fieldwork, undertaken during a school semester or summer, under auspices of department or in an approved program, teaching excavation, or field school.
prereq: ENGL 12000, perm dept.
6 cr. maximum

CLA 42100 - Independent Study in Classics
Open to majors only.
 prereq: ENGL 12000, perm chair
 1-3 cr.

CLA 49100 - Honors in Classics

Sr only. Individual research under direction of member of department, culminating in essay approved by Honors Committee.
 prereq: ENGL 12000, perm dept.
 3 hrs 3 cr.

CLA 49800 - Internship

 prereq: ENGL 12000, perm dept.
 1-6 cr.

Comparative Literature - BA

Major Requirements

All majors take a core course in methodology, but the remaining classes in a student’s program are arranged with the coordinator in an effort to work out a balance between two different bodies of literature, two different literary periods, and two different genres. In addition to comparative literature courses in prose fiction, drama, myth and folklore, literary movements, and literature and the arts, majors may also elect appropriate classes from other literature departments, as well as from such disciplines as history, philosophy, art and anthropology, with the approval of the coordinator. Upon becoming a major, a student will, in consultation with the coordinator, choose one member of the comparative literature committee as an adviser and plan an individualized program. All majors are required to review their programs with their adviser once a semester.

The comparative literature major consists of 30 credits distributed as follows:

A. Concentration in at least two periods and in two genres.

B. At least 9 credits in COMP-prefixed courses, beginning with the following

(all of these courses will be taught in English)

COMPL 30100 - Seminar: Approaches to Comparative Literature

Study of selected major works to demonstrate scope and various approaches of comparative literature. Focus on conscious imitation, treatment of similar themes, use of well-defined genres and conventions as well as of concepts from history of ideas. Emphasis on close reading of texts and development of itical vocabulary.
 Required of all majors in comparative literature.
 3 hrs 3 cr.

C. 21 credits in literature courses
distributed so that at least 12 credits are courses studied in the original language (be it a foreign language, if the student is proficient in that language, or English). Courses at the 300 level are strongly preferred, although exceptions may be granted by the adviser.

Minor for Students Majoring in Comparative Literature

A 12 credit minor is required. Students will be advised by their Comparative Literature faculty mentor to choose a discipline that will complement and enrich their major field of study.

Minor in Comparative Literature for Students Majoring in Other Programs

If this minor is recommended by the major department, students may consult a Comparative Literature adviser who will help them select suitable courses.

Honors

Students are eligible for departmental honors if their GPA in the major is no less than 3.5. The student must also take at least 3 credits (but no more than 6 credits) in honors courses offered by the program and approved by the adviser. The offerings of the Comparative Literature Program are determined by the needs of students in the program and the faculty available. For specific information, consult the coordinator.

Prerequisite

ENGL 22000 - Introduction to Literature

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students' understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.

prereq: ENGL 12000
3 hrs + conf3 cr.

Computer Science - BA

- Computer Science with Concentration in Bioinformatics - BA

Major

The computer science major consists of 39 credits in CSCI courses and a collateral 14 credits in MATH/STAT courses.

Preliminary Course

Before being permitted to enter computer science as a major, a student must complete the following two courses each with a grade of C or better. Students planning to pursue a computer science major are strongly encouraged to declare their major as soon as possible after completing CSCI 13500 and CSCI 13600 and to seek help from a faculty adviser for assistance with individual curriculum planning.

CSCI 13500 - Software Analysis and Design I
This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.

*prereq: CSCI 12700 or equivalent*

*coreq: CSCI 13600*

3 hrs 3 cr.

**CSCI 13600 - Supervised Programming Lab**

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment.

*May not be counted towards the computer science major.*

*coreq: CSCI 13500*

2 hrs 1 cr.

**Required Courses**

All computer science majors (except those following requirements for the Computer Science with Concentration in Bioinformatics - BA) must complete successfully the following courses with a grade of C or better:

**CSCI 15000 - Discrete Structures**

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.

*prereq: MATH 12500, 15000 or 15500*

3 hrs 3 cr.

**CSCI 16000 - Computer Architecture I**

GER 3/B

Boolean algebra, data representation, combinational circuits and minimization, sequential circuits.

*prereq: CSCI 12700, 15000*

3 hrs 3 cr.

**CSCI 23500 - Software Analysis and Design II**

GER 3/B

Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.

*prereq: CSCI 13500, 15000; MATH 15000*

3 hrs 3 cr.

**CSCI 26000 - Computer Architecture II**

GER 3/B

Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.
prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs3 cr.

CSCI 26500 - Computer Theory I

GER 3/B
Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata.
prereq: CSCI 16000 or 14500; MATH 15000
3 hrs3 cr.

CSCI 33500 - Software Analysis and Design III

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.
prereq: CSCI 23500, MATH 15500
3 hrs3 cr.

CSCI 34000 - Operating Systems

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.
prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300
3 hrs3 cr.

CSCI 36000 - Computer Architecture III

GER 3/B
High performance computer architectures, including massively parallel SIMD and MIMD machines and distributed architectures.
prereq: CSCI 26000 or 24500; MATH 15500
3 hrs3 cr.

CSCI 49900 - Advanced Applications: A Capstone for Majors

A chance for computer science majors to test their mettle on major projects. Working in small groups they will implement systems that involve at least two platforms running programs written in at least three languages.
prereq: All non-elective courses in Computer Science required for graduation or permission of instructor.
4 hrs4 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.
MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000
4 hrs4 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.

prereq: MATH 12500 or appropriate score on placement exam
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

Electives

Students who declared their major in spring 2009 or before

Students who declared their major in or before spring 2009 are held bound by this rule: In addition to the preliminary and required courses, each major must complete 15 hours of elective credits from CSCI courses higher than 200-level with a grade of C or better. At least 12 elective credits must be in classes other than CSCI 39100 CSCI 39200 and CSCI 39300. With departmental permission, certain appropriate upper-level electives from other academic departments may be substituted. They are not required to take CSCI 49900, but may choose is as an elective.

Students who declared their major after Spring 2009

Students who declared their major after spring 2009 take a minimum of 11 (rather than 15) elective credit hours and are required to successfully complete CSCI 49900, after having successfully completed all other required courses for the major.

Recommended course sequence for entering freshmen without credit for pre-calculus and without prior computer programming experience:

Term 1

MATH 12500 - Precalculus
GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.
prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
4 hrs4 cr.

CSCI 12700 - Introduction to Computer Science

GER 2/E
A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides.
May not be used toward the CSCI major or minor.
prereq or coreq: MATH 12100, 12500 or 15000
3 hrs3 cr.

Term 2

CSCI 13500 - Software Analysis and Design I

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.
prereq: CSCI 12700 or equivalentcoreq: CSCI 13600
3 hrs3 cr.

CSCI 13600 - Supervised Programming Lab

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment.
May not be counted towards the computer science major.
coreq: CSCI 13500
2 hrs1 cr.

CSCI 15000 - Discrete Structures

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.
prereq: MATH 12500, 15000 or 15500
3 hrs3 cr.

Term 3

CSCI 16000 - Computer Architecture I

GER 3/B
Boolean algebra, data representation, combinational circuits and minimization, sequential circuits.
prereq: CSCI 12700, 15000
3 hrs 3 cr.

CSCI 15000 - Discrete Structures

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.
prereq: MATH 12500, 15000 or 15500
3 hrs 3 cr.

Term 4

CSCI 23500 - Software Analysis and Design II

GER 3/B
Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.
prereq: CSCI 13500, 15000; MATH 15000
3 hrs 3 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

Term 5

CSCI 26000 - Computer Architecture II

GER 3/B
Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.
prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs 3 cr.

CSCI 33500 - Software Analysis and Design III

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.
prereq: CSCI 23500, MATH 15500
3 hrs 3 cr.
MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.

prereq: MATH 12500 or appropriate score on placement exam
3 hrs3 cr.

Term 6

CSCI 26500 - Computer Theory I

GER 3/B
Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata.

prereq: CSCI 16000 or 14500; MATH 15000
3 hrs3 cr.

CSCI 36000 - Computer Architecture III

GER 3/B
High performance computer architectures, including massively parallel SIMD and MIMD machines and distributed architectures.

prereq: CSCI 26000 or 24500; MATH 15500
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

Term 7

CSCI 34000 - Operating Systems

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.

prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300
3 hrs3 cr.

• 2 CSCI electives

Term 8
CSCI 49900 - Advanced Applications: A Capstone for Majors

A chance for computer science majors to test their mettle on major projects. Working in small groups they will implement systems that involve at least two platforms running programs written in at least three languages.

**prereq:** All non-elective courses in Computer Science required for graduation or permission of instructor.

4 hrs 4 cr.

and 2 CSCI electives

Additional Information

Students with both credit for pre-calculus and prior computer programming experience can begin with Semester 2.

Recommended course sequence for students with transfer credit for CSCI 13500, 15000 and 16000 and MATH 15000 and 15500:

**Term 1**

**CSCI 23500 - Software Analysis and Design II**

GER 3/B

Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.

**prereq:** CSCI 13500, 15000; MATH 15000

3 hrs 3 cr.

**CSCI 26000 - Computer Architecture II**

GER 3/B

Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.

**prereq:** CSCI 13500, 16000 or 24500; MATH 15000

3 hrs 3 cr.

**MATH 16000 - Matrix Algebra**

GER 1/B

Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.

**prereq:** MATH 12500 or appropriate score on placement exam

3 hrs 3 cr.

**Term 2**

**CSCI 33500 - Software Analysis and Design III**
GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.
prereq: CSCI 23500, MATH 15500
3 hrs 3 cr.

CSCI 26500 - Computer Theory I

GER 3/B
Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata.
prereq: CSCI 16000 or 14500; MATH 15000
3 hrs 3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

Term 3

CSCI 34000 - Operating Systems

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.
prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300
3 hrs 3 cr.

• 2 CSCI electives

Term 4

CSCI 36000 - Computer Architecture III

GER 3/B
High performance computer architectures, including massively parallel SIMD and MIMD machines and distributed architectures.
prereq: CSCI 26000 or 24500; MATH 15500
3 hrs 3 cr.

CSCI 49900 - Advanced Applications: A Capstone for Majors
A chance for computer science majors to test their mettle on major projects. Working in small groups they will implement systems that involve at least two platforms running programs written in at least three languages.

**prereq:** All non-elective courses in Computer Science required for graduation or permission of instructor.

4 hrs

- and 2 CSCI electives

### Recommended course sequence for students in the bioinformatics concentration:

#### Term 1

**CSCI 12700 - Introduction to Computer Science**

GER 2/E

A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides.

*May not be used toward the CSCI major or minor.*

**prereq or coreq:** MATH 12100, 12500 or 15000

3 hrs

**MATH 12500 - Precalculus**

GER 1/B

Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.

**prereq:** grade of C or better in MATH 10100 or appropriate score on placement exam

4 hrs

#### Term 2

**CSCI 13500 - Software Analysis and Design I**

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.

**prereq:** CSCI 12700 or equivalent

**coreq:** CSCI 13600

3 hrs

**CSCI 13600 - Supervised Programming Lab**

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment.

*May not be counted towards the computer science major.*

**coreq:** CSCI 13500

2 hrs
CSCI 15000 - Discrete Structures

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.
prereq: MATH 12500, 15000 or 15500
3 hrs 3 cr.

Term 3

CSCI 26000 - Computer Architecture II

GER 3/B

Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.
prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs 3 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B

Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D

The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

Term 4

CSCI 23500 - Software Analysis and Design II

GER 3/B

Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.
prereq: CSCI 13500, 15000; MATH 15000
3 hrs 3 cr.

MATH 15500 - Calculus with Analytic Geometry II
GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

Primarily for pre-med, medical laboratory sciences and science majors.

prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

Term 5

CSCI 33500 - Software Analysis and Design III

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.

prereq: CSCI 23500, MATH 15500
3 hrs 3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

Primarily for premed, medical laboratory sciences and science majors.

prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.

prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

Term 6

CSCI 34000 - Operating Systems
GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.
prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300
3 hrs3 cr.

MATH 16000 - Matrix Algebra
GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs3 cr.

CHEM 22200 - Organic Chemistry Lecture I
GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

Term 7

CSCI 43500 - Database Management
GER 3/B
Hierarchical and network databases; theory of relational databases; normalization theory; query languages.
prereq: CSCI 33500
3 hrs3 cr.

STAT 31900 - Bayesian Statistical Inference in the Sciences
GER 3/B
prereq: MATH 15500; at least one of STAT 21200, STAT 21300 or STAT 21400 (or permission of instructor).
Prerequisites waived for students who have passed STAT 311.
Familiarity with matrix algebra (at the level of MATH 160) and with the Windows computing environment are encouraged.
3 hrs3 cr
BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300
coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fell only

Term 8

Minor in Computer Science

A minor in Computer Science consists of 13-14 credits of coursework. These credits include the following required courses – note that MATH 12500 is a prerequisite course to CSCI 12700 however MATH 125 does not count towards the Computer Science Minor:

CSCI 12700 - Introduction to Computer Science

GER 2/E
A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides.
May not be used toward the CSCI major or minor.
prereq or coreq: MATH 12100, 12500 or 15000
3 hrs3 cr.

CSCI 13300 - Programming for Everyone

GER 2/E
A comprehensive practical course in programming that concentrates on producing working software for games, simulations, animations, data manipulations, interacting with the Internet, graphical user interfaces and many other application areas. No programming experience is necessary. This course is required for Computer Science minors. This course does not count toward the computer science major.

3 hrs3 cr.

CSCI 23200 - Relational Databases and SQL Programming, with Lab

GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.
Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.
prereq: CSCI 13200
3 hrs 3 cr.

CSCI 23300 - Programming Projects Seminar for Minors

This course will serve as a capstone for the minor, affording students the opportunity to write reasonably large and complex programs. Students will be expected to draw topics for these programs from their majors or other areas of interest. This course does not count toward the computer science major.

prereq or coreq: CSCI 13300 and 23200 and a declared Computer Science Minor.
2 hrs 1 credit

In addition, students will be required to take at least one 3 credit elective selected from Computer Science offerings numbered 13500 or above. Although minors may take any Computer Science course numbered 135 or above, courses that require only one or more of the above courses as prerequisites include:

CSCI 13500 - Software Analysis and Design I

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.
prereq: CSCI 12700 or equivalent
coreq: CSCI 13600
3 hrs 3 cr.

CSCI 13600 - Supervised Programming Lab

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment.
May not be counted towards the computer science major.
coreq: CSCI 13500
2 hrs 1 cr.

CSCI 15000 - Discrete Structures

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.
prereq: MATH 12500, 15000 or 15500
3 hrs 3 cr.

CSCI 16000 - Computer Architecture I

GER 3/B
Boolean algebra, data representation, combinational circuits and minimization, sequential circuits.

prereq: CSCI 12700, 15000
3 hrs 3 cr.

CSCI 26700 - Microprocessors and Embedded Systems
GER 3/B
Students will assemble and program a small single board computer to control, or simulate control of, some device.

prereq: CSCI 13300 or 26000
3 hrs 3 cr.

Note

All prerequisites must be fulfilled for any CSCI course. The only exception is a written waiver from the instructor.

Prospective minors should be aware that this course of study usually requires a minimum of four semesters to complete.

Please note

Computer science majors cannot choose computer science for their minor.

Minors for Computer Science Majors

Hunter College no longer requires students to take a minor field of study in conjunction with their major. Nevertheless, because of the broad spectrum of interests among computer science majors at Hunter, students interested in pursuing a minor field of study may wish to combine a minor with the computer science major in such fields as mathematics, geography, economics, film and media.

Mathematics - BA
Geography - BA
Economics - BA
Film - BA
Media Studies - BA

Consult an adviser in the department of the minor you wish to pursue for further information.

Honors

To graduate from Hunter College with honors in computer science, a student must have at least a 2.7 GPA overall and a 3.5 GPA or better in computer science/math and a grade of A in one of the CSCI 49300 series of courses.

Additional Information

The “one repeat” rule is in effect for all courses to be used toward the major, from CSCI 13500 through the 400-level courses. This means that if a student fails a CSCI major course once (failure = D, F, NC, WU), that student will have only one more chance to pass the course. In addition, the Computer Science Department will not accept a CR grade in any of the preliminary or required courses for the major (CSCI 13500, CSCI 15000, CSCI 16000, CSCI 23500, CSCI 26000, CSCI 26500, CSCI 33500, CSCI 34000, CSCI 36000). Any student wishing to declare computer science as a major who has received a grade of CR in any of the CSCI courses listed above, must ask the instructor of that course to change the CR grade to the appropriate letter grade. This must be done before the declaration of major form can be authorized.
Please note: A grade of “D” is not considered a passing grade by this department for any of the computer science or math courses required for the major.

**Computer Science with Concentration in Bioinformatics - BA**

Return to Programs and Courses in Computer Science

This course of study will provide computer science majors with a fundamental understanding of the most important aspects of quantitative and computational biology, including a solid background in biology, chemistry, mathematics, statistics, and computer science, with an emphasis on quantitative reasoning. Students opting to concentrate in bioinformatics are not required to take CSCI 26000, CSCI 26500, and CSCI 36000, but are strongly encouraged to take CSCI 26500. Instead of 15 hours of 300-level and 400-level elective credits, the following requirements must be met:

**Preliminary Courses**

A student may declare a concentration in bioinformatics upon successful completion of CSCI 13500 - Software Analysis and Design I when declaring computer science as a major field of study.

**Required Courses**

Students must obtain a grade of C or better in the following courses:

**Computer science component 24 credits**

**CSCI 13500 - Software Analysis and Design I**

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.

*prereq: CSCI 12700 or equivalent* *coreq: CSCI 13600*

3 hrs3 cr.

**CSCI 15000 - Discrete Structures**

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.

*prereq: MATH 12500, 15000 or 15500*

3 hrs3 cr.

**CSCI 23500 - Software Analysis and Design II**

GER 3/B

Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.

*prereq: CSCI 13500, 15000; MATH 15000*

3 hrs3 cr.
CSCI 26000 - Computer Architecture II

GER 3/B

Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.

_prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs 3 cr.

CSCI 33500 - Software Analysis and Design III

GER 3/B

The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.

_prereq: CSCI 23500, MATH 15500
3 hrs 3 cr.

CSCI 34000 - Operating Systems

GER 3/B

Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.

_prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300
3 hrs 3 cr.

CSCI 43500 - Database Management

GER 3/B

Hierarchical and network databases; theory of relational databases; normalization theory; query languages.

_prereq: CSCI 33500
3 hrs 3 cr.

CSCI 49366 - UNIX System Programming

GER 3/B

An introduction to the key components of the UNIX application programming interface, including files, processes, terminal control, signals, interprocess communication, the ncurses library, and multi-threading. Includes basic of the internal structure of the UNIX operating system, and selected user-level utilities and commands for efficient programming and working in UNIX.

_prereq or coreq: CSCI 23500, 34000
3 hours 3 credits

Math and statistics component 17 credits

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B

Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs 3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

STAT 31900 - Bayesian Statistical Inference in the Sciences

GER 3/B
prereq: MATH 15500; at least one of STAT 21200, STAT 21300 or STAT 21400 (or permission of instructor).
Prerequisites waived for students who have passed STAT 311.
Familiarity with matrix algebra (at the level of MATH 160) and with the Windows computing environment are encouraged.
3 hrs 3 cr

Biology component 12 credits

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300 coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

-or-

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 42500 - Computational Molecular Biology

GER 3/B
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of in silico biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and prediction of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting. Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.

Chemistry component 12 credits

CHEM 10200 - General Chemistry I
**GER 2/E**
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

**GER 2/E**
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

**GER 2/E**
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 10200*
*coreq: CHEM 10400*
8 hrs (6 lab, 2 rec)3 cr.

**CHEM 22200 - Organic Chemistry Lecture I**

**GER 3/B**
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
*prereq: prereq for CHEM 22200: CHEM 10400*
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**Total Credits 65**

**Additional Information**

Prerequisites for certain courses are waived for students opting for this concentration: BIOL 20200 and CHEM 22300 are waived for BIOL 30000; BIOL 30000 is waived for BIOL 30200; and CSCI 16000 is waived for CSCI 26000 and CSCI 34000.

**Recommended course sequence for students in the bioinformatics concentration:**

**Term 1**

**CSCI 12700 - Introduction to Computer Science**
A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides. 

_May not be used toward the CSCI major or minor._

_prereq or coreq: MATH 12100, 12500 or 15000_ 3 hrs 3 cr.

**MATH 12500 - Precalculus**

_functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent._

_prereq: grade of C or better in MATH 10100 or appropriate score on placement exam_ 4 hrs 4 cr.

**Term 2**

**CSCI 13500 - Software Analysis and Design I**

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems._

_prereq: CSCI 12700 or equivalent _coreq: CSCI 13600_ 3 hrs 3 cr.

**CSCI 13600 - Supervised Programming Lab**

_Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment. _May not be counted towards the computer science major._

_coreq: CSCI 13500_ 2 hrs 1 cr.

**CSCI 15000 - Discrete Structures**

_Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics._

_prereq: MATH 12500, 15000 or 15500_ 3 hrs 3 cr.

**Term 3**

**CSCI 26000 - Computer Architecture II**

_GER 3/B_
Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.

prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs 3 cr.

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

**Term 4**

**CSCI 23500 - Software Analysis and Design II**

GER 3/B
Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.

prereq: CSCI 13500, 15000; MATH 15000
3 hrs 3 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

*Primarily for pre-med, medical laboratory sciences and science majors.*

prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.
Term 5

**CSCI 33500 - Software Analysis and Design III**

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.

*prereq: CSCI 23500, MATH 15500*

3 hrs 3 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

*prereq: MATH 12500 or appropriate score on placement exam.*

3 hrs 3 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

*Primarily for premed, medical laboratory sciences and science majors.*

*prereq: CHEM 10200 or CHEM 10000 with perm chair*

5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*

*prereq: CHEM 10200*
*coreq: CHEM 10400*

8 hrs (6 lab, 2 rec) 3 cr.

Term 6

**CSCI 34000 - Operating Systems**

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.

*prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300*

3 hrs 3 cr.
MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
*prereq: MATH 12500 or appropriate score on placement exam*
3 hrs 3 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
*prereq: prereq for CHEM 22200: CHEM 10400*
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

Term 7

CSCI 43500 - Database Management

GER 3/B
Hierarchical and network databases; theory of relational databases; normalization theory; query languages.
*prereq: CSCI 33500*
3 hrs 3 cr.

STAT 31900 - Bayesian Statistical Inference in the Sciences

GER 3/B
*prereq: MATH 15500; at least one of STAT 21200, STAT 21300 or STAT 21400 (or permission of instructor).*
Prerequisites waived for students who have passed STAT 311.
Familiarity with matrix algebra (at the level of MATH 160) and with the Windows computing environment are encouraged.
3 hrs 3 cr

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
*S10 materials fee required.*
*prereq: BIOL 20200, CHEM 22200, 22300 coreq: CHEM 22400*
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only
Term 8

CSCI 49366 - UNIX System Programming

GER 3/B
An introduction to the key components of the UNIX application programming interface, including files, processes, terminal control, signals, interprocess communication, the ncurses library, and multi-threading. Includes basic of the internal structure of the UNIX operating system, and selected user-level utilities and commands for efficient programming and working in UNIX.

prereq or coreq: CSCI 23500, 34000
3 hours 3 credits

BIOL 42500 - Computational Molecular Biology

GER 3/B
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of in silico biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and prediction of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting.

Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.

Concentration in Creative Writing (30 cr)

Return to Programs and Courses in English

The concentration in Creative Writing is designed to provide students with an informed appreciation of the depth and breadth of literature written in English, as well as the opportunity to develop their own interests and skills in creative writing. Students concentrating in Creative Writing take four required courses in literature, and at least four creative writing workshops.

This concentration consists of 3 parts:

A. Four Required Literature Courses (12 cr)

ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism

An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.

prereq: ENGL 22000
3 hrs 3 cr.

2. One course chosen from the following in American Literature
ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)

GER 3/A
An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 39600 - American Prose (1871-1914)

GER 3/A
Study of such authors as Twain, Howells, James, Dreiser, Crane and Wharton.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 39700 - American Poetry to 1914

GER 3/A
Study of such poets as Taylor, Poe, Emerson, Whitman, Dickinson and E. A. Robinson. May be used toward Part 4 of the American Literature concentration.
prereq: ENGL 22000
3 hrs 3 cr.

3. One course chosen from the following courses in Multi-Ethnic or Transnational Literatures written in English:

ENGL 31800 - Advanced Topics in Literature of Non-European Americans (W)

GER 3/A PD/B
Each course is an advanced examination of one or more of the following groups: African Americans, Asian Americans, Latino Americans, Native Americans and Caribbean Americans. May be repeated once for credit with a different topic.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32000 - Multi-Ethnic American Literature (W)

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32100 - Studies in African American Literature

GER 3/A PD/B
Selected works by African American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32400 - Studies in Native American Literature
GER 3/A PD/B
Selected works by Native American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 32500 - Post-Colonial Literature in English (W)

GER 3/A
A study of post-colonial narratives written in English by writers from a number of different countries or regions, including India, the Caribbean, Egypt, Africa and Pakistan.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 32700 - Studies in Caribbean Literature (W)

GER 3/A PD/A
Selected works by Caribbean writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.

prereq: ENGL 22000
3 hrs3 cr.

4. One course chosen from the following courses in Literary Theory, Linguistics, or Rhetoric

ENGL 30600 - Literary Theory (W)

GER 3/A
Major theories of literature, with emphasis on contemporary trends.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 33100 - The Structure of Modern English

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 33200 - History of the English Language (W)

Development of English from earliest records to the present. Spread of English across the globe. Effects on English of contacts with other languages. Satisfies linguistics but not literature requirements.

prereq: ENGL 22000
3 hrs3 cr.

B. Four Required Creative Writing Workshops (12 cr)
All students who are planning to concentrate in creative writing must first take the three-genre

**ENGL 30000 - Introduction to Creative Writing**

GER 3/A  
An introduction to creative writing with a primary focus on poetry, fiction and creative nonfiction, including expository writing, workshop exercises and an introduction to workshop methods.  
*Students must pass this course with a B to major in creative Writing. Prerequisite for all 300-level writing courses, except ENGL 30100.*  
*prereq: ENGL 22000*  
3 hrs3 cr.  
and pass it with a grade of B or higher

After successfully completing English 30000 with a grade of B or higher, students take 3 more creative writing workshops from the following, at least one of which must be a level-II workshop

**ENGL 30900 - Workshop in Non-Fiction II**

GER 3/A  
A continuation of Workshop in Non-Fiction I, with increasing emphasis on craft and revision.  
*This course may be repeated once for credit.*  
*prereq: ENGL 30000 and 30800*  
3 hrs3 cr.

**ENGL 31100 - Workshop in Fiction I**

GER 3/A  
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of fiction.  
*prereq: ENGL 30000*  
3 hrs3 cr.

**ENGL 31300 - Workshop in Fiction II**

GER 3/A  
A continuation of ENGL 31100, with increasing emphasis on craft and revision.  
*This course may be repeated once for credit.*  
*prereq: ENGL 30000 and ENGL 31100*  
3 hrs3 cr.

**ENGL 31400 - Workshop in Poetry I**

GER 3/A  
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of poetry.  
*prereq: ENGL 30000*  
3 hrs3 cr.
ENGL 31600 - Workshop in Poetry II

GER 3/A
A continuation of ENGL 31400, with increasing emphasis on craft and revision.
*This course may be repeated once for credit.*
prereq: ENGL 30000 and ENGL 31400
3 hrs 3 cr.

ENGL 48400 - Special Studies Seminar

GER 3/A
Topics in British and American literature or linguistics. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
3 hrs 3 cr.

C. Two Electives (6 cr.)

Electives may be chosen from any of the department’s 300-or 400-level courses, including, if the student is eligible, one of the Honors Seminars (ENGL 48400). In special cases, full-time faculty may find it appropriate to supervise a student who is interested in taking on an individual creative project for 3 credits; this option is listed in the catalog, and in semester-by-semester class postings, as ENGL 48500 - Individual Tutorial Project. Successful completion of such a course may also, if arranged beforehand, qualify as an Honors course.

Concentration in English Language Arts

Return to Programs and Courses in English

The concentration in English Language Arts is designed to provide students with experience in the study of literature, language, rhetoric, and writing. While it is designed and intended primarily for prospective elementary school teachers, the concentration is open to all students. Students take four required literature courses, two required courses in language and/or rhetoric, and two required courses in writing. The remaining two courses are electives and may be chosen from among the following: any of the English department’s 300- or 400-level literature courses, including, if the student is eligible, one of the Honors seminars (ENGL 49400); any of the 300-level Creative Writing workshops for which the student has met the prerequisite(s); any 300- or 400-level courses in linguistics or literatures taught in English in other departments for which the student meets that department’s prerequisite(s); and selected Theatre courses (THEA 16100, THEA 32100, THEA 37600, THEA 37700, THEA 37800 ) for which the student meets that department’s prerequisite(s). The English department strongly recommends that students choose at least one Language, Writing, or Modern/Contemporary Literature elective course.

This concentration consists of Four parts:

A. Four Required Literature Courses (12 cr.)

ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism

An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.
prereq: ENGL 22000
3 hrs 3 cr.
One course chosen from among the following courses in American Literature:

**ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)**

GER 3/A
An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.

*prereq: ENGL 22000*

3 hrs 3 cr.

-or-

**ENGL 39600 - American Prose (1871-1914)**

GER 3/A
Study of such authors as Twain, Howells, James, Dreiser, Crane and Wharton.

*prereq: ENGL 22000*

3 hrs 3 cr.

-or-

**ENGL 39700 - American Poetry to 1914**

GER 3/A
Study of such poets as Taylor, Poe, Emerson, Whitman, Dickinson and E. A. Robinson. May be used toward Part 4 of the American Literature concentration.

*prereq: ENGL 22000*

3 hrs 3 cr.

**ENGL 30500 - Studies in Children's Literature**

GER 3/A
Selected works of children's literature in relation to a special theme, technique, theoretical issue, or cultural consideration.

*prereq: ENGL 22000*

3 hrs 3 cr.

**ENGL 32000 - Multi-Ethnic American Literature (W)**

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.

*prereq: ENGL 22000*

3 hrs 3 cr.

B. Two Required Language and/or Rhetoric Courses (6 cr.)

**ENGL 33100 - The Structure of Modern English**

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.
one course chosen from among the following:

**ENGL 33200 - History of the English Language (W)**

Development of English from earliest records to the present. Spread of English across the globe. Effects on English of contacts with other languages. Satisfies linguistics but not literature requirements.

**prereq:** ENGL 22000
3 hrs3 cr.

-or-

**ENGL 33300 - Advanced Topics in Language and Linguistics**

GER 3/A
Exploration of one or more linguistic systems (phonology, semantics, syntax, discourse, or pragmatics) through the analysis of literary and nonliterary texts and their social and cultural contexts. May be taken more than once in different topics.

**prereq:** ENGL 22000
3 hrs3 cr.

**C. Two Required Courses in Writing (6 cr.)**

**ENGL 30100 - Theory and Practice of Expository Writing**

GER 3/A
Composition in variety of nonfiction prose forms and study of rhetorical theories.

**prereq:** ENGL 22000
3 hrs3 cr.

One course chosen from the following:

**ENGL 30000 - Introduction to Creative Writing**

GER 3/A
An introduction to creative writing with a primary focus on poetry, fiction and creative nonfiction, including expository writing, workshop exercises and an introduction to workshop methods.

*Students must pass this course with a B to major in creative Writing. Prerequisite for all 300-level writing courses, except ENGL 30100.*

**prereq:** ENGL 22000
3 hrs3 cr.

-or-

**ENGL 30800 - Workshop in Non-Fiction I**

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of various non-fiction genres, including memoir-autobiography and other forms of personal essays, review essays, occasional pieces, and philosophical essays.
Note:

Students must take ENGL 30000 or 30100 before taking ENGL 30800.

D. Two Electives (6 cr.)

Students may choose from among 300- or 400-level courses, including, if the student is eligible, one of the Honors Seminars (ENGL 49400). With prior approval of an advisor, students may also choose 300- or 400-level courses in linguistics or literatures taught in English in another department.

Theatre Courses (with approval of English Department Adviser)

With the prior approval of an advisor, students may also choose from among the following Theatre courses:

**THEA 16100 - Acting I: Basic Acting Techniques**

For intended majors and non-majors. Exploration of the fundamentals of acting technique through improvisation.  
*coreq:* .  
3 hrs3 cr.

**THEA 32100 - Play Analysis (W)**

GER 3/A PD/D  
Principles of play analysis; examination of play structure, theatrical form, and historical period.  
*prereq:* THEA 21100 or 21200 or 21300  
3 hrs3 cr.

**THEA 37600 - Playwriting I (W)**

GER 3/A  
Study of problems in playwriting based on the student's own work.  
*prereq:* THEA 10100 or perm instr.  
3 hrs3 cr.

**THEA 37700 - Playwriting II**

GER 3/A  
Continued study of playwriting techniques, with emphasis on the structure and form of the full length play.  
*prereq:* THEA 37600 or perm instr.  
3 hrs3 cr.

**THEA 37800 - Scriptwriting for Young Audiences: Theatre, Film, and Television**

GER 3/A
Note:

(Note: Some of the Theatre courses require students to take prerequisite courses in the Theatre department.)

At least one Language, Writing or Modern/Contemporary Literature elective course

It is strongly recommended that students choose at least one Language, Writing, or Modern/Contemporary Literature elective course.

Language, Rhetoric, and Writing choices may include: one of the courses in either category B. or C. (see above)

ENGL 30900 - Workshop in Non-Fiction II

GER 3/A
A continuation of Workshop in Non-Fiction I, with increasing emphasis on craft and revision.

This course may be repeated once for credit.
prereq: ENGL 30000 and 30800
3 hrs 3 cr.

ENGL 31100 - Workshop in Fiction I

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of fiction.
prereq: ENGL 30000
3 hrs 3 cr.

ENGL 31400 - Workshop in Poetry I

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of poetry.

prereq: ENGL 30000
3 hrs 3 cr.

Concentration in English: Preparation for Secondary School Teaching (30 cr)

Return to Programs and Courses in English

The Concentration in English: Preparation for Secondary School Teaching is designed to prepare students to teach English in grades 7-12 by providing a foundation in British, American, and Multi-Ethnic literatures, as well as writing and language studies. Students choosing this concentration take 18 credits of required literature courses, 6 credits of required writing courses, a 3-credit language course, and one elective chosen from among 300- and 400-level courses offered by the Department. When taken together with the requirements for the secondary education sequence of the
School of Education, this program meets initial certification requirements for New York State and New York City public schools. Students interested in the Education sequence must apply to the School of Education for admission. Students who do not wish to pursue certification need not take the Secondary Education sequence. Eligible English: Preparation for Secondary School Teaching majors may pursue English Departmental Honors by taking ENGL 49400 - Honors Seminar: Special Studies.

Note: The English Department strongly recommends that students take at least one modern or contemporary literature course.

This concentration consists of four parts:

A. Six Required Literature Courses (18 cr)

ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism

An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 30300 - Western Literary Backgrounds of British and American Literature

PD/D
Major works of Western literature in translation, including the Bible and Greek and Roman epic, drama, poetry and prose.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 30600 - Literary Theory (W)

GER 3/A
Major theories of literature, with emphasis on contemporary trends.
prereq: ENGL 22000
3 hrs3 cr.

4. One course chosen from the following:

ENGL 35200 - Shakespeare Survey

GER 3/A PD/D
A survey of Shakespeare's plays. For students who do not intend to elect ENGL 35300 or ENGL 35400.
prereq: ENGL 22000
3 hrs3 cr.

-or-

ENGL 35300 - Shakespeare I
GER 3/A PD/D
Study of works from first half of Shakespeare's career.
prereq: ENGL 22000
3 hrs 3 cr.

-or-

ENGL 35400 - Shakespeare II

GER 3/A PD/D
Study of works from second half of Shakespeare's career.
prereq: ENGL 22000
3 hrs 3 cr.

5. One course chosen from the following:

ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)

GER 3/A
An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.
prereq: ENGL 22000
3 hrs 3 cr.

-or-

ENGL 39600 - American Prose (1871-1914)

GER 3/A
Study of such authors as Twain, Howells, James, Dreiser, Crane and Wharton.
prereq: ENGL 22000
3 hrs 3 cr.

-or-

ENGL 39700 - American Poetry to 1914

GER 3/A
Study of such poets as Taylor, Poe, Emerson, Whitman, Dickinson and E. A. Robinson. May be used toward Part 4 of the American Literature concentration.
prereq: ENGL 22000
3 hrs 3 cr.

6. One course chosen from the following:

ENGL 32000 - Multi-Ethnic American Literature (W)

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.
prereq: ENGL 22000
3 hrs 3 cr.
ENGL 32500 - Post-Colonial Literature in English (W)

GER 3/A
A study of post-colonial narratives written in English by writers from a number of different countries or regions, including India, the Caribbean, Egypt, Africa and Pakistan.
prereq: ENGL 22000
3 hrs3 cr.

B. Required Writing Courses (6 cr)

ENGL 30100 - Theory and Practice of Expository Writing

GER 3/A
Composition in variety of nonfiction prose forms and study of rhetorical theories.
prereq: ENGL 22000
3 hrs3 cr.

2. One course chosen from the following:

ENGL 30000 - Introduction to Creative Writing

GER 3/A
An introduction to creative writing with a primary focus on poetry, fiction and creative nonfiction, including expository writing, workshop exercises and an introduction to workshop methods.
Students must pass this course with a B to major in creative writing. Prerequisite for all 300-level writing courses, except ENGL 30100.
prereq: ENGL 22000
3 hrs3 cr.

-or-

ENGL 34100 - Rhetorical Principles of Expository Writing

GER 3/A
Course will focus on the relationship between rhetorical principles and academic writing.

prereq: ENGL 22000
3 hrs3 cr.

C. Required Language Course (3 cr)

ENGL 33100 - The Structure of Modern English

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.
prereq: ENGL 22000
3 hrs3 cr.

D. Elective (3 cr)
Students may choose from among 300- or 400-level English courses, including, if the student is eligible, one of the Honors Seminars (ENGL 49400). It is strongly recommended that students consider choosing either a Modern/Contemporary Literature, Linguistics, Rhetoric, or Writing course to fulfill the Elective requirement.

Concentration in Literatures, Language and Criticism (30 cr)

Majors who plan to concentrate in Literatures, Language and Criticism take four required courses and three courses in a specialized area of study. The Department recommends that students take the four required courses early in their major studies, preferably soon after they have declared the major. The Literatures, Language and Criticism concentration is designed to provide students with exposure to a range of literary texts and traditions, as well as to a specific area of study in which to focus. The first two areas of study reflect particular national literatures, but the remaining four are designed with broader approaches to literary study in mind. With prior approval, a student may also work with an advisor to design her own area of study.

This concentration consists of three parts:

Required Courses (12 credits)

The following four courses are required for all students in this concentration:

**ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism**

An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.  
*prereq: ENGL 22000*  
3 hrs 3 cr.

**ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)**

GER 3/A  
An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.  
*prereq: ENGL 22000*  
3 hrs 3 cr.

**ENGL 30600 - Literary Theory (W)**

GER 3/A  
Major theories of literature, with emphasis on contemporary trends.  
*prereq: ENGL 22000*  
3 hrs 3 cr.
ENGL 32000 - Multi-Ethnic American Literature (W)

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.
*prereq: ENGL 22000
3 hrs 3 cr.

Required Area of Study (9 cr.)

Students in this concentration must take three additional courses in one of the areas below. Particularly motivated students may also obtain prior approval from an advisor to design an area of their own choosing (e.g. literature by genre or by historical period, literary theory, cultural studies).

1. British and/or Irish Literatures
2. American Literatures, including African American, Asian American, Latino, and Native American
3. Transnational and/or Postcolonial Studies
4. Gender and Sexuality Studies
5. Race, Ethnicity, and/or Class Studies
6. Linguistics, Language, and/or Rhetoric

Electives (9 cr.)

The remaining three courses in the major are electives, chosen by the student.

Dance - BA

Major

(34 credits)

A placement audition is required of all incoming majors, as well as of all second-year majors. All dance majors are required to be registered in at least one technique class every semester they are in attendance at Hunter. Performance, choreography and technical production requirements are to be fulfilled prior to graduation. These requirements include:

1. Performance in at least two (2) concerts.
2. Choreography of at least two (2) works:
   a. solo performed in open composition.
   b. group work developed during fall and spring semesters and performed in formal concert.
3. Production crew work in two (2) concerts: two (2) formal concerts or one (1) formal and one (1) informal concert.
Policy on advancement through the technique curriculum

All dance students should be aware that completion of a dance technique course for a passing grade does not automatically insure acceptance into the next level of technique. For example, if you pass the Fundamentals of Contemporary Dance course, you may not necessarily be admitted to Contemporary Dance Technique I.

Your instructor will, at the end of the current course, advise you to either repeat the course for credit or to move on to the next level. (You can take technique courses twice for credit, and it is also possible to audit thereafter.) It is neither safe nor constructive to place yourself in a class that is not appropriate for your skill level. The quality of your dance education is of utmost importance to us — this policy is designed to maintain the highest standards of learning and achievement.

The following 34-credit curriculum is required of all majors.

**DAN 15100 - Folk Forms of Dance I**

Development of basic dance skills necessary for participation in international folk dances. Students are exposed to dance and music of world cultures.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

3 hrs 1 cr.

**DAN 21000 - Contemporary Dance Technique I**

**GER 3/A**

Analytical and physical study of basic concepts of dance: space, time, dynamics and design. Intermediate development of movement skills and vocabulary as required by professional demands. May be taken 2 times for credit with permission of the department.

*prereq: DAN 10100, perm dept, audition*

3 hrs 2 cr.

**DAN 21300 - Basic Musicianship for Dancers**

GER 3/A

Basic music theory in relation to dance. Development of auditory and kinesthetic understanding of melody, rhythm and harmony through movement. Open only to Dance majors and minors.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

*prereq: DAN 21000*

3 hrs 2 cr.

**DAN 22000 - Contemporary Dance Technique II**

GER 3/A

Development of expanded movement vocabulary and increased facility; understanding dance as means of communication; ordering of movement to produce controlled performance. May be taken two times for credit with permission of the department.

*prereq: DAN 21000, perm dept, audition*

3 hrs 2 cr.
DAN 22100 - Improvisation as a Creative Process I

GER 3/A
Introduction to basic skills of structured improvisation; use of these skills by individual students to explore their creative movement potential.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq or coreq: DAN 21000 or perm dept.
3 hrs2 cr.

DAN 23200 - 20th-Century Dance History

GER 2/D PD/D
Readings, lectures, films, discussions of 20th century ballet, modern, social and popular theatre dance forms; analysis of individual styles and cultural trends.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

3 hrs3 cr.

DAN 24500 - Ballet I

GER 3/A
Intermediate level study of stylistic demands and vocabulary of ballet and introduction to ballet traditions. May be taken two times for credit with permission of the department.

prereq: DAN 14500, perm dept, audition
3 hrs2 cr.

DAN 31000 - Contemporary Dance Technique III

GER 3/A
Advanced movement experience to prepare students to carry out their own creative demands or demands of other choreographers; continued in depth study of all concepts of dance. May be taken two times for credit with permission of the department.

prereq: DAN 22000, audition
3 hrs2 cr.

DAN 32000 - Contemporary Dance Technique IV

GER 3/A
Development of pure dance skills to enable student to learn specific styles of dance; emphasis on expanding dynamic range and clarifying performance intention. May be taken two times for credit with permission of the department.

prereq: DAN 31000, audition
3 hrs2 cr.

DAN 32100 - Composition I

GER 3/A
Assignments geared to challenge and develop creative skills; emphasis on understanding form and its relation to content; mastering structural requirements of composition.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 22100
3 hrs, 3 hrs open studio2 cr.

DAN 32400 - Production I

GER 3/A
Practical experience in all aspects of production that contribute to realization of student's choreographic intentions: costumes, sets, lighting, publicity and business skills.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 32100 or perm dept.
3 hrs, 3 hrs open studio3 cr.

DAN 34500 - Ballet II

GER 3/A
Continuation of traditional exercises to acquaint student with elements of classic ballet; emphasis on development of advanced technical ability. May be taken two times for credit with permission of the department.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 24500, audition
3 hrs2 cr.

DAN 35000 - Anatomy and Kinesiology for Dancers

GER 3/A
Anatomy of skeletal, muscular and neuromuscular systems; anatomical analysis of basic movement; application of anatomical information to proper and successful performance of dance.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 22000, perm dept.
3 hrs3 cr.

DAN 42200 - Choreographic Projects

GER 3/A
Independent student choreographic works in preparation for performance in concert. Registration once per academic year.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 32100
3 hrs, 3 hrs open studio3 cr.

DAN 44000 - Lecture/Demonstration Touring Group

GER 3/A
Performance of prescribed choreography in lecture/ demonstration format to be presented in public schools on a weekly basis during the fall semester. Open to dance majors/minors only. Students must be available to rehearse intensively for 1 week before classes begin.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
Additional Information

The undergraduate adviser suggests the appropriate sequence of electives for the career specialization the student chooses.

Prerequisites for all dance majors:

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf3 cr.

**DAN 10100 - Fundamentals of Contemporary Dance Technique**

Survey of concepts involved in understanding and integrating physicality and creativity through movement. Review of basic skills required for further study. May be taken two times for credit with permission of the department.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: minimum 12 cr, audition
3 hrs2 cr.

**DAN 10200 - Dance, Dancers and the Audience**

GER 2/D
Lecture demonstration course designed to introduce students to the art of dance through analysis of history, dance style and socio-political underpinnings. This course includes participation in both lecture and movement sessions.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: minimum 12 cr.
3 hrs3 cr.

**DAN 14500 - Fundamentals of Ballet**

Introduction to fundamental skills and nomenclature of ballet. May be taken two times for credit with permission of the department.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: minimum 12 cr, audition
3 hrs2 cr.

- Permission of Dance adviser

**Minor in Dance**
The Hunter College Dance Program Minor in Dance (a minimum of 16 required credits) is designed to allow students to pursue a variety of interests in the field, from performance and creative work to analysis, production and pedagogy.

Required courses (a minimum of 16 credits total)

The following 2 courses must be taken prior to declaration of the minor:

**DAN 10100 - Fundamentals of Contemporary Dance Technique**

Survey of concepts involved in understanding and integrating physicality and creativity through movement. Review of basic skills required for further study. May be taken two times for credit with permission of the department.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

**prereq:** minimum 12 cr, audition

3 hrs 2 cr.

**DAN 10200 - Dance, Dancers and the Audience**

GER 2/D
Lecture demonstration course designed to introduce students to the art of dance through analysis of history, dance style and socio-political underpinnings. This course includes participation in both lecture and movement sessions.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

**prereq:** minimum 12 cr.

3 hrs 3 cr.

Additional required courses

**DAN 21000 - Contemporary Dance Technique I**

GER 3/A
Analytical and physical study of basic concepts of dance: space, time, dynamics and design. Intermediate development of movement skills and vocabulary as required by professional demands. May be taken 2 times for credit with permission of the department.

**prereq:** DAN 10100, perm dept, audition

3 hrs 2 cr.

**DAN 22100 - Improvisation as a Creative Process I**

GER 3/A
Introduction to basic skills of structured improvisation; use of these skills by individual students to explore their creative movement potential.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

**prereq or coreq:** DAN 21000 or perm dept.

3 hrs 2 cr.

1 additional dance technique course, selected from the following
DAN 14500 - Fundamentals of Ballet

Introduction to fundamental skills and nomenclature of ballet. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: minimum 12 cr, audition
3 hrs 2 cr.

DAN 15100 - Folk Forms of Dance I

Development of basic dance skills necessary for participation in international folk dances. Students are exposed to dance and music of world cultures.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

3 hrs 1 cr.

DAN 22000 - Contemporary Dance Technique II

GER 3/A
Development of expanded movement vocabulary and increased facility; understanding dance as means of communication; ordering of movement to produce controlled performance. May be taken two times for credit with permission of the department.

prereq: DAN 21000, perm dept, audition
3 hrs 2 cr.

DAN 24500 - Ballet I

GER 3/A
Intermediate level study of stylistic demands and vocabulary of ballet and introduction to ballet traditions. May be taken two times for credit with permission of the department.

prereq: DAN 14500, perm dept, audition
3 hrs 2 cr.

DAN 25200 - Special Topics: Traditional Dance I

GER 3/A PD/A
Introduction to the cultural background and basic techniques of individual traditions of dance, such as African, Classical Indian, Afro-Brazilian, T'ai Chi, Capoeira, Yoga and advanced post-modern dance. May be taken two times for credit with permission of the department.

prereq: audition
3 hrs 2 cr.

DAN 31000 - Contemporary Dance Technique III

GER 3/A
Advanced movement experience to prepare students to carry out their own creative demands or demands of other choreographers; continued in depth study of all concepts of dance. May be taken two times for credit with permission of the department.

prereq: DAN 22000, audition
3 hrs 2 cr.
DAN 32000 - Contemporary Dance Technique IV

GER 3/A
Development of pure dance skills to enable student to learn specific styles of dance; emphasis on expanding dynamic range and clarifying performance intention. May be taken two times for credit with permission of the department.

*prereq: DAN 31000, audition
3 hrs 2 cr.

DAN 34500 - Ballet II

GER 3/A
Continuation of traditional exercises to acquaint student with elements of classic ballet; emphasis on development of advanced technical ability. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

*prereq: DAN 24500, audition
3 hrs 2 cr.

DAN 35200 - Special Topics: Traditional Dance II

GER 3/A PD/A
Continuation of DAN 25200.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

*prereq: DAN 25200, audition
3 hrs 2 cr.

A minimum of 6 additional credits in dance

A minimum of 6 additional credits in Dance (choices must be approved by Dance Faculty Adviser):

Any DAN course at the 200 level or above (At least one of these must be a 3-credit course)

Participation on one production crew

Participation on one production crew team for a fully produced dance program concert

Note:

Placement in technique courses above the Fundamentals level is by placement audition, recommendation of instructor, or department permission. Repeated courses may not be counted in these requirements.

Grading

All dance majors and minors must receive a letter grade for all dance classes. Grades of “NC” or “CR” are not permissible.

Dance Pre-K - 12
Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

*3 hrs 3 cr.*

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

*2 hrs per week plus 36 hrs fieldwork 2 cr.*

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

*prereq: SEDF 20300, 20400
2 hrs per week plus 36 hrs fieldwork 2 cr.*

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

*prereq: SEDF 20500, SEDC 21000
2 per week plus lab 2 cr.*

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

*3 hrs 3 cr.*

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

*prereq: SEDF 20300, 20400
1 hrl cr.*

**Note**
Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.

Certification for teaching Dance

New York State certification for teaching dance requires the 34-credit dance major plus the 22 credit education sequence, which is considered a collateral major and includes

**DANED 30200 - Theory and Practice of Teaching Dance (pre-K-12)**

Methods of teaching dance in grades pre-K-12 to students with diverse backgrounds and abilities in diverse learning environments; the organization of instruction and classroom management strategies; technological resources; community and family resources.

*Field work required.*

*prereq: completed 12 cr in dance or perm dance adviser*

*prereq or coreq: SEDF 20400*

*3 hrs plus 36 hours fieldwork 4 cr.*

**SEDC 45600 - Student Teaching in Dance, Grades Pre-K-12**

Two 30-day supervised placements (one in grades pre-K-6 and one in grades 7-12) in New York City public schools selected by Hunter College. Special Conditions: Students must apply for student teaching the fall semester before enrolling in this course. Scores on the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examination must have been received by the coordinator of adolescent education prior to enrollment in student teaching.

*prereq or coreq: SEDF 20600, SEDC 22000*

*2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.*

Additional Information

See the School of Education for more information. Note: students must be accepted by the School of Education before they may register for education courses.

**Economics - BA**

**Majors**

The Department of Economics offers two majors: the Economics - BA, requiring a minimum of 24 credits and the Accounting - BS, requiring a minimum of 30 credits of accounting and an additional 33 credits of professional studies. In addition, for motivated students, the department offers the opportunity to complete both the BA and MA degrees within 30 credits.

**Economics - Accelerated BA/MA**

**Grade Options**
The department strongly urges economics majors who plan to go on to graduate or professional school to choose letter grades rather than CR/NC.

Major

Students majoring in economics must take:

A. Courses Preliminary to the Economics Major

**ECO 20000 - Principles of Economics: Microeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

*prereq: MATH 10100 or exemption from the course*

3 hrs 3 cr.

**ECO 20100 - Principles of Economics: Macroeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.

*prereq: MATH 10100 or exemption from the course*

3 hrs 3 cr.

These courses must be completed with a grade of C, CR, or better to serve as prerequisites for courses credited to the major.

Additional Information

Although required, neither ECO 20000 nor ECO 20100 are counted as part of the 24 credits in the major. Students may begin the study of economics with either ECO 20000 or ECO 20100. If they wish a one-semester survey before embarking on the principles courses, they may take ECO 10000, but this is not required. If taken, ECO 10000 cannot be substituted for either ECO 20000 or 20100 or credited toward the major.

B. Core of the Economics Major

**ECO 22000 - Techniques of Economic Analysis**

GER 3/B
Mathematical techniques applied to economic models.

*prereq: ECO 20000; MATH 12500 or exemption from the course*

3 hrs 3 cr.

-or-

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

ECO 22100 - Economic Statistics I

GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.
prereq: MATH 12500 or exemption from the course
3 hrs3 cr.

ECO 30000 - Intermediate Microeconomics

GER 3/B
Price determination of goods and factors in markets of varied structures; general equilibrium analysis.
prereq: ECO 20000, 20100, 22000
3 hrs3 cr.

ECO 30100 - Intermediate Macroeconomics

GER 3/B
Measurement and dynamics of national income, employment and growth; policy options.
prereq: ECO 20000, 20100, 22000
3 hrs3 cr.

ECO 32100 - Economic Statistics II

GER 3/B
Linear and curvilinear correlation and regression; variance; testing; time series.
prereq: ECO 22000, 22100; CSCI 10000 or equiv.
3 hrs3 cr.

ECO 22000 (or MATH 15000) and ECO 22100 must be completed with a grade of C, CR or better to be accepted for credit towards the major and to serve as prerequisites for other courses in the major.

Additional Information

These courses, along with ECO 20000 and 20100 (as described above), are the core of the economics major. Majors are advised to complete ECO 22000 (or MATH 15000) and ECO 22000 within their first 75 credits of college work and ECO 30000 or 30100 within their first 90 credits. For students already at or beyond these points when they become majors, such courses should be taken within the first 12 credits following declaration of the major.

The department may waive the requirement of any of the above or other courses upon satisfactory proof of course equivalency. Courses waived through substitution or examination do not provide course credit nor do they count toward the major.

C. Elective courses
The remaining 9 (if ECO 22000 was taken) or 12 (if MATH 15000 is credited to the major) credits needed to complete the 24-credit major shall be satisfied by other economics courses offered by the department. No courses in accounting or business law may be credited toward the economics major.

**Minor in Economics**

The economics minor consists of a minimum of 12 credits, including

**ECO 20000 - Principles of Economics: Microeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

*prereq: MATH 10100 or exemption from the course*

3 hrs 3 cr.

**ECO 20100 - Principles of Economics: Macroeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.

*prereq: MATH 10100 or exemption from the course*

3 hrs 3 cr.

and two other courses in economics. Accounting and business law courses do not count towards the economics minor.

**Interdepartmental Fields**

Students may take courses in economics as part of an interdepartmental program of study in Latin American and Caribbean studies, environmental studies (geography), women’s and gender studies and Jewish social studies. Listings in each area discuss recommended courses.

**Internships**

Students may receive one credit for internships in government agencies, private firms, and not-for-profit institutions. The position must provide opportunities for learning about some area of economics, accounting, or business. The course may be taken no more than twice. Credits may not be applied towards the economics or accounting major. Internships will be graded on a CR/NC basis. Note that it is the responsibility of the student, not the Department, to identify internship opportunities.

**Honors**

Students with a 3.5 GPA in a major offered by the department and an overall 2.8 GPA at the beginning of their upper senior semester may apply for departmental honors at that time. Completion of the following and submission of an honors paper are required. Honors papers are written under faculty supervision and must be approved by a second reader as well. GPA levels must be maintained for the award of departmental honors.

**ECO 49900 - Honors Project**
Jr/Sr only. Supervised individual research and directed reading. Honors essay.

prereq: For accounting majors: ECO 32100 and 37200; For economics majors: ECO 30000, 30100 and 32100. A 3.5 GPA required in the major offered by the department and permission of the chair

3 hrs3 cr.

Public Policy

Economics majors may find both the minor and the Certificate Program in Public Policy of particular interest.

Electrical Engineering

Science Courses

Mathematics

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.

4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000

4 hrs4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

prereq: MATH 15500

4 hrs4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.

prereq: MATH 25000

3 hrs3 cr.

Chemistry

CHEM 10200 - General Chemistry I
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. Primarily for pre-med, medical laboratory sciences and science majors. 
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

Physics

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 36000 - Atomic and Nuclear Physics for Engineers

PHYS 33500 - Intermediate Mechanics

Study of laws of motion and coordinate systems; introduction to powerful analytical techniques.
prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 36500 - Analytical Mechanics

Other Courses

English

ENGL 12000 - Expository Writing
GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

**prereq:** successful completion of developmental courses, if required
3 hrs + conf 3 cr.

Humanities and Social Sciences

- 3-4 courses*** 9-12

Economics

**ECO 20000 - Principles of Economics: Microeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

**prereq:** MATH 10100 or exemption from the course
3 hrs 3 cr.

**ECO 20100 - Principles of Economics: Macroeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.

**prereq:** MATH 10100 or exemption from the course
3 hrs 3 cr.

English (BA) : Additional Required Courses and Student Teaching

**English Department Requirements for Teaching English in Grades 7–12**

Concentration in English: Preparation for Secondary School Teaching (30 cr)

Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn
to analyze these concepts and theories and apply them to current classroom practices. 
3 hrs 3 cr.

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities. 
2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12. 
prereq: SEDF 20300, 20400 
2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment. 
prereq: SEDF 20500, SEDC 21000 
2 per week plus lab 2 cr.

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards. 
3 hrs 3 cr.

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention. 
prereq: SEDF 20300, 20400 
1 hr 1 cr.

**Note**

*Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.*

**Additional Required Coursework and Student Teaching**

**SEDC 21100 - Young Adult Literature in Our Diverse Society**

Familiarizes prospective teachers with a wide variety of literature for or about young adults. Books discussed and dramatized during each session reflect diverse cultures, varying learning styles, and special needs of young adults. The
English language arts standards are addressed as delineated in city and state regulations. Literacy and comprehension skills are explored as well.

**SEDC 32100 - Teaching English Methods to a Diverse Population in Grades 7-12**

Methodology that facilitates the learning of English language arts for a diverse population in secondary schools. Teacher candidates will engage in ways of teaching adolescents the skills of reading, responding to literature, writing (creative and expository), listening, speaking, and applying grammar conventions. They will write lesson and unit plans and experiment with classroom management and assessment techniques as they present lessons to the class for peer and instructor criticisms. State and city teaching standards will be applied throughout the course.

**SEDC 45100 - Student Teaching in English, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified English teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**English - BA**

**Concentration in Literatures, Language and Criticism (30 cr)**

**Concentration in Creative Writing (30 cr)**

**Concentration in English Language Arts**

**Concentration in English: Preparation for Secondary School Teaching (30 cr)**

**Literatures, Language and Criticism Concentration**

Majors who plan to concentrate in Concentration in Literatures, Language and Criticism (30 cr) take four required courses, and three courses in a specialized area of study. The department recommends that students take the four
required courses early in their major studies, preferably soon after they have declared the major. The Literatures, Language and Criticism concentration is designed to provide students with exposure to a range of literary texts and traditions, as well as to a specific area of study in which to focus. The first two areas of study reflect particular national literatures, but the remaining four are designed with broader approaches to literary study in mind. With prior approval, a student may also work with an adviser to design her own area of study.

**Creative Writing Concentration**

The Concentration in Creative Writing (30 cr) is designed to provide students with an informed appreciation of the depth and breadth of literature written in English, as well as the opportunity to develop their own interests and skills in creative writing. Students concentrating in Creative Writing take four required courses in literature, and at least four creative writing workshops. The four literature requirements are: 1) ENGL 338; 2) ENGL 395, 396, or 397; 3) ENGL 318, 320, 321, 324, 325, or 327; and 4) ENGL 306, 331, 332, or 340. The first workshop for ALL students is the 3-genre workshop ENGL 300: Introduction to Creative Writing, which must be passed with a grade of B or higher in order to qualify for this concentration. After successfully completing ENGL 300, students are required to take a minimum of three additional workshops, beginning with the level-I workshop in the genre(s) in which they are interested: ENGL 308, 311, or 314. Students are required to take at least one level-II workshop (ENGL 309, 313, or 316) after completing the level-I workshop in that genre. Students may also take one of the Special topics genre workshops (ENGL 484) after completing both 300-level workshops in that genre. The remaining two courses for the major are electives and may be chosen from any of the department’s 300- or 400-level courses, including, if the student is eligible, one of the Honors Seminars (ENGL 494). In special cases, full-time faculty may find it appropriate to supervise a student who is interested in taking on an individual creative project; this option is listed in the catalogue, and in semester-by-semester class postings, as ENGL 485: Independent Tutorial Study. Successful completion of such a course may also, if arranged beforehand, qualify as an Honors course.

**English Language Arts Concentration**

The Concentration in English Language Arts is designed to provide students with experience in the study of literature, language, rhetoric, and writing. While it is designed and intended primarily for prospective elementary school teachers, the concentration is open to all students. Students take four required literature courses, two required courses in language and/or rhetoric, and two required courses in writing. The remaining two courses are electives and may be chosen from among the following: any of the English department’s 300- or 400-level literature courses, including, if the student is eligible, one of the Honors seminars (ENGL 494); any of the 300-level Creative Writing workshops for which the student has met the prerequisite(s); any 300- or 400-level courses in linguistics or literatures taught in English in other departments for which the student meets that department’s prerequisite(s); and selected Theatre courses (160, 161, 321, 376, 377, 378) for which the student meets that department’s prerequisite(s). The English department strongly recommends that students choose at least one Language, Writing, or Modern/Contemporary Literature elective course.

**Concentration in Preparation for Secondary School Teaching**

The Concentration in English: Preparation for Secondary School Teaching (30 cr) is designed to prepare students to teach English in grades 7-12 by providing a foundation in British, American, and Multi-Ethnic literatures, as well as writing and language studies. Students choosing this concentration take 18 credits of required literature courses, 6 credits of required writing courses, a 3-credit language course, and one elective chosen from among 300- and 400-level courses offered by the Department. When taken together with the requirements for the Secondary Education minor of the School of Education, this program meets initial certification requirements for New York State and New York City public schools. Students interested in the Education minor must apply to the School of Education for admission. Students who do not wish to pursue certification need not take the Secondary Education minor. Eligible English: Preparation for Secondary School Teaching majors may pursue English Departmental Honors by taking ENGL 49400 - Honors Seminar: Special Studies.
Note: The English Department strongly recommends that students take at least one modern or contemporary literature course.

Honors

In order to qualify for departmental honors, students must take the Honors Seminar (ENGL 49400) and write an honors essay. The essay is normally written in relation to the Honors Seminar and under the supervision of the professor teaching the seminar. To to take the Honors Seminar, students must first complete at least 24 credits of 300- and/or 400-level English classes with a GPA of at least 3.5 in those courses and an overall GPA of at least 2.8. Of these credits, 21 (or in exceptional cases, 18) must be taken at Hunter. The Honors Seminar requirement is in addition to the specified required courses in the student’s concentration. Students interested in pursuing departmental honors should consult an undergraduate adviser. Please see the college rules on Academic Honors for more information in Academic Programs and Policies.

ENGL 49400 - Honors Seminar: Special Studies

GER 3/A PD/C
Topics in British and American literature and linguistics. May be taken a second time in another subject. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
1 sem 3 cr.

Note(s)

The Honors Seminar requirement is in addition to the specified courses in the student’s major concentration. Students interested in departmental honors should consult the undergraduate adviser.

Minor in English

The English Department offers a 12-credit minor that provides students with an opportunity to pursue interests in literature, language, rhetoric, composition, and creative writing at the intermediate and advanced levels. Students may declare the Minor only after completing ENGL 22000 - Introduction to Literature, the prerequisite for all English courses above the 220 level. Students minoring in English may choose four courses (12 cr.) from among 200- and 300-level literature, language, rhetoric, or writing offerings, with a minimum of two 300-level courses necessary to satisfy the Minor requirements. Students who wish to take Creative Writing workshops in any of the three genres offered (Fiction, Poetry, and Creative Non-Fiction) must first pass ENGL 30000 - Introduction to Creative Writing, with a minimum grade of B.

Note:

NOTE: English 22000 does not count towards fulfillment of the Minor. ENGL 21800 - Advanced Expository Writing, may be used towards fulfillment of the Minor requirements, but ENGL 20100 - Intermediate Expository Writing Using Small-Group Methods, may not. English minors may not take 400-level courses.

Environmental Earth Science Concentration

Return to: Return to Programs and Courses in Geography
Required courses - 22 credits (including Capstone)

**CHEM 10200 - General Chemistry I**

GER 2/E  
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.  
*Primarily for pre-med, medical laboratory sciences and science majors.*  
*prereq or coreq:* MATH 12500, 12600 or equiv.  
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E  
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.  
*Primarily for premed, medical laboratory sciences and science majors.*  
*prereq:* CHEM 10200 or CHEM 10000 with perm chair  
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E  
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.  
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*  
*prereq:* CHEM 10200  
*coreq:* CHEM 10400  
8 hrs (6 lab, 2 rec) 3 cr.

**GEOG 22600 - Environmental Conservation: Resource Management**

GER 2/B  
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.  
3 hrs 3 cr.

**PGEOG 25000 - Earth System Science I**

GER 3/B  
In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.  
*prereq: at least one 100-level science course or perm instr.*  
*prereq or coreq:* GEOL 10100 or PGEOG 13000 or GEOG 22600 or perm instr.  
4 hrs 3.5 cr.
PGEOG 25100 - Earth System Science II

GER 3/B
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.

_prereq: PGEO 25000 or perm instr._
_4 hrs3.5 cr._

Required Capstone Course - 3 credits

PGEOG 49000 - Honors in Environmental Studies

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.

_prereq: perm dept._
-or-

PGEOG 49800 - Internship in Environmental Studies

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.

1-4 cr.

Electives - 18 credits

A minimum of 18 credits from the list below. 12 credits must be taken at the 300-level or higher. Electives are not counted towards the minor requirements.

_Note: It is strongly recommended that students take STAT 11300 - Elementary Probability and Statistics._

GEOL 20500 - Environmental Geology

GER 3/B
As human populations continue to grow, resource depletion and hazards will become more severe. Many decisions concerning the use of resources, such as water, soil, minerals, energy and space to live, will determine our standard of living and the quality of the environment. Scientific knowledge, combined with human values, will dictate these decisions. This course examines not only the way geological processes operate and impact society, but also how the earth system responds to human activity. The difficult problems associated with extracting enormous quantities of resources needed to sustain modern societies will be discussed. The course will also address ways humans can minimize the risks associated with hazardous earth processes. Quantitative analysis of selected topics will be introduced to provide a deeper understanding of the complexity of today’s environmental issues.

_prereq: GEOL 10100
_3 hrs3 cr._

GEOL 28000 - Marine Geology

GER 3/B
Marine Geology is the study of the seafloor. This course attempts to answer the questions “what?”, “where?”, “when?” and more importantly “how?” in order to better understand the processes that shape the ocean basins and determine the
structure and composition of the oceanic crust. The main patterns of sediment distribution in the ocean basins and how sediments preserve a record of past climatic and sea-level changes will be explored. In addition, the role of fluids in ocean sediments and the oceanic crust will be examined. The seafloor sediments will be studied with a focus on their role in marine biogeochemical cycles.

prereq: GEOL 10200 or perm instr.
3 hrs3 cr.

Fall

GEOL 38000 - Advanced Oceanography: Chemistry and Physics of the Oceans

GER 3/B

The oceans play a significant role in how the climate system responds to anthropogenic perturbations. To understand past, present and future climate, students need to know and understand the world ocean. Oceanography is multidisciplinary. It offers an opportunity to review and to apply many of the concepts taught in the major traditional disciplines of physics, chemistry, biology and mathematics. This course will offer an in-depth tour of the complex study of oceanography and an introduction to quantitative methods in oceanography using Matlab. This science-based course requires students to learn and understand, and be willing to work with, physical and quantitative concepts. Students must be prepared to learn the basics of computer scripting/programming syntax and logic, one of the major skills to be acquired in this course.

prereq: one sem CHEM or PHYS, MATH 15000 or equiv.
3 hrs3 cr.

GEOL 38300 - Special Topics in Geology and Oceanography

GER 3/B

Intensive courses in various aspects of geology or oceanography. Topics to be announced.

prereq: 200-level course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab)1-3 cr.

GTECH 20100 - Introduction to Geographic Methods

Introduces the means by which geographers analyze the world to better understand geography and geographical processes. It offers an introduction to various methods for interpreting and analyzing spatial data including, cartography, GIS, remote sensing, spatial statistics and survey research.

prereq: GEOG 10100 or GEOG 1500 and MATH 10100 or equiv or perm instr.
6 hrs (2 lec, 4 lab)4 cr.
Offered fall and spring.

GTECH 32100 - Remote Sensing of the Environment

Focuses on use of satellite images to study the environment and the physical processes involved in remote sensing to better understand the nature and properties of electromagnetic radiation and how it interacts with the atmosphere and the Earth’s surface and a wide variety of satellite sensors. These sensors make measurements in the optical, thermal and microwave electromagnetic spectrums and are used to study issues related to global environmental science and natural resource management. The course includes heavy lab components which will include practical assignments, field exercises, computer-based analysis of remotely-sensed images and the use of image processing software (ENVI) to analyze satellite images. Field measurements will be made in Central Park to facilitate better understanding satellite measurements.
**GTECH 36100 - Geographic Information Science I**

Covers the GIS production process from data modeling and acquisition to editing, analysis, and cartographic output. GTECH 710 addresses students from both geography and other disciplines. Lecture examples, as well as hands-on exercises, cover a range of application areas. The course is divided into two equally important parts: lectures, which introduce the theory of GIScience, and lab exercises, which help students with many aspects of the software. The lectures discuss concepts, data, tools, and major aspects to assignments. The laboratory sessions introduce the geospatial data and software tools needed for accomplishing the assignments. They will start at a very basic level, requiring little more than elementary experience with the Windows operating system.

**Prereq:** GTEC 20100

4 hrs (2 lec, 2 lab) 3 cr.

**PGEOG 31300 - Biogeography**

GER 3/B

Provides an understanding of the geographic distribution and temporal variability of biological diversity over the face of the Earth and the biotic and abiotic factors and processes underlying these patterns and dynamics. Completion of PGEOG 25000/25100 and GTECH 37300 prior to enrollment is strongly recommended.

**Prereq:** PGEOG 13000, GEOG 10100 or BIOL 10000/10200

3 hrs 3 cr.

**PGEOG 33200 - Introduction to Hydrology**

GER 3/B

Designed to provide the basic understanding of how water on the Earth moves, distributes, circulates and interacts with the environment. Focus will be on hydrological processes including precipitation, evapotranspiration (evaporation and transpiration), soil water, ground water, and runoff, which form the complete water cycle at global, regional and watershed scales. The course will also cover some topics on how water responds to environmental changes and strategies of integrated water resources.

**Prereq:** GEOL 10100, PGEO 13000 or perm instr.

3 hrs 3 cr.

**PGEOG 33500 - Urban and Metropolitan Coasts**

GER 3/B

A systematic study of the natural and anthropogenic processes on urban coastal environments. Special emphasis on the coastline of the NY metropolitan area, with examples from coastal cities worldwide.

**Prereq or coreq:** Prereq: GEOL 10100 or GEOG 10100

3 hrs 3 cr.

**PGEOG 36100 - Global Climatic Change**

GER 3/B

Open to Jr/Sr only. An intensive introduction to the study of climate change with emphasis on modern climate change,
anthropogenic forcing and measured and predicted consequences of this forcing. Students will develop an understanding of natural climate forcing, natural variability and feedbacks in the climate system while concurrently studying the Earth’s climate history, and modern climate change.

**prereq:** P GEO 13000 or GEOL 10100 or 10500
3 hrs3 cr.

**PGEOG 36300 - Environmental Hazards**

GER 3/B

The course, in response to actual and potential hazards, either natural or anthropogenic in origin, will investigate the processes that link fundamental social development to environmental processes that are influenced by human activities. Natural hazards, in many cases, augment the environmental fragility of our society and the consideration of environmental hazards needs to be incorporated into management of climate variability, storms, droughts, floods, earthquakes, etc. An aim is to seek preventive measures and find solutions to act on environmental hazards on national and international levels.

**prereq:** P GEO 13000 or equiv.prereq or coreq: PGEOG 13000 or equiv.
3 hrs3 cr.

**PGEOG 38300 - Special Topics in Environmental Studies**

GER 3/B

Open to Jr/Sr only. Topics to be announced.

**prereq:** GEOL 10500, GEOG 22600 or PGEOG 13000, one course of which special topic is logical outgrowth; perm instr.

1-4 hrs (lec or lec/lab)1-3 cr.

**Total credits 40**

**Environmental Management and Policy Concentration**

Return to Programs and Courses in Geography

**Required courses - 22 credits (including Capstone)**

**CHEM 10200 - General Chemistry I**

GER 2/E

In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

*Primarily for pre-med, medical laboratory sciences and science majors.*

**prereq or coreq:** MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E

In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

*Primarily for premed, medical laboratory sciences and science majors.*
CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.

prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

GEOG 22600 - Environmental Conservation: Resource Management

GER 2/B
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.

3 hrs3 cr.

PGEOG 25000 - Earth System Science I

GER 3/B
In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.

prereq: at least one 100-level science course or perm instr.prereq or coreq: GEOL 10100 or PGEOG 13000 or GEOG 22600 or perm instr.
4 hrs3.5 cr.

PGEOG 25100 - Earth System Science II

GER 3/B
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.

prereq: PGEO 25000 or perm instr.
4 hrs3.5 cr.

Required Capstone Course - 3 credits

PGEOG 49000 - Honors in Environmental Studies

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.

prereq: perm dept.
**PGEOG 49800 - Internship in Environmental Studies**

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.

1-4 cr.

**Electives - 18 credits**

A minimum of 18 credits from the list of courses below. 12 credits must be taken at the 300-level or higher. Elective are not counted towards the minor requirements. Courses not listed may be included in a student’s concentration with permission of the ES adviser.

*Note: It is strongly recommended that students take STAT 11300 Probability and Statistics.*

**COMHE 32500 - Environmental Public Health**

Impact of environmental problems associated with urbanization, e.g., water quality, air and noise pollution, waste disposal and radiation hazards.

*prereq: acceptance to the COMHE major, or permission of the instructor*

3 hrs 3 cr.

**GEOG 24100 - Population Geography**

GER 3/B PD/B or C

Course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.

*prereq: GEOG 10100 or GEOG 15000 or perm instr.*

3 hrs 3 cr.

**GEOG 32800 - Urban Environmental Problems: Evaluations and Solutions**

GER 3/B

Open to Jr/Sr only. The special environmental problems of urban and metropolitan areas will be studied, including water supplies, waste management, environmental impact and waterfront use. Natural physical processes, methodologies and techniques will be reviewed and applied to decision making. Transportation fee for field work may be required.

*prereq: GEOG 101 or GEOG 150 or URBS 101 and Jr/Sr standing*

3 hrs 3 cr.

**GEOG 33500 - International Pollution Issues**

GER 3/B

A study of international trans-boundary pollution and the science, source terms, transport pathways and international impacts of contamination events. The regional focus will change yearly pending current global environmental events.

*prereq: GEOG 101 or GEOL 101 or PGEO 130 or perm instr.*

3 hrs 3 cr.
GEOG 34100 - Urban Geography

GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.
prereq: GEOG 101 or GEOG 150 or perm instr, Jr/Sr only
3 hrs 3 cr.

GEOG 37000 - Geography of Sustainable Development in Developing Countries

GER 3/B PD/A
Reviews the theories and approaches of international development. Themes include development theory, availability and distribution of resources, population growth, food production, water supply and forestry. The course will also highlight the development and environmental problems that challenge the achievement of sustainable development such as population growth, food and world economic crises, increasing number of the poor and climate change. The course will provide students with theory, methods, problems and analysis of factors that influence sustainable development in developing countries.
prereq: one of the following: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.
3 hrs 3 cr.

GEOG 37100 - Rural Water Supply in Developing Regions

GER 3/B PD/A
Covers concepts, methods and analysis of rural water utilization and related problems and challenges in developing countries. It will discuss water management and quality and their relationship with sanitation and hygiene education. The course will also discuss methods of providing drinking water in a sustainable manner.
prereq: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.
3 hrs 3 cr.

GEOL 20500 - Environmental Geology

GER 3/B
As human populations continue to grow, resource depletion and hazards will become more severe. Many decisions concerning the use of resources, such as water, soil, minerals, energy and space to live, will determine our standard of living and the quality of the environment. Scientific knowledge, combined with human values, will dictate these decisions. This course examines not only the way geological processes operate and impact society, but also how the earth system responds to human activity. The difficult problems associated with extracting enormous quantities of resources needed to sustain modern societies will be discussed. The course will also address ways humans can minimize the risks associated with hazardous earth processes. Quantitative analysis of selected topics will be introduced to provide a deeper understanding of the complexity of today’s environmental issues.
prereq: GEOL 10100
3 hrs 3 cr.

GEOL 33400 - Coastal Geomorphology

GER 3/B
A study of the basic processes shaping the coast and the resulting form; surficial morphology and internal geometry of such forms as cliffs, dunes, beaches and near shore bars. Map exercise and a one-day field trip.
prereq: GEOL 23100 or PGEO 23100 or equiv. or perm dept.
3 hrs 3 cr.
GEOL 38300 - Special Topics in Geology and Oceanography

GER 3/B
Intensive courses in various aspects of geology or oceanography. Topics to be announced.
prereq: 200-level course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab)1-3 cr.

GTECH 32100 - Remote Sensing of the Environment

Focuses on use of satellite images to study the environment and the physical processes involved in remote sensing to better understand the nature and properties of electromagnetic radiation and how it interacts with the atmosphere and the Earth’s surface and a wide variety of satellite sensors. These sensors make measurements in the optical, thermal and microwave electromagnetic spectrums and are used to study issues related to global environmental science and natural resource management. The course includes heavy lab components which will include practical assignments, field exercises, computer-based analysis of remotely-sensed images and the use of image processing software (ENVI) to analyze satellite images. Field measurements will be made in Central Park to facilitate better understanding satellite measurements.
prereq: GTEC 32000 or perm instr.
4 hrs (2 lec, 2 lab)3 cr.

GTECH 38500 - GIS Applications

Selected topics in GIS applications to human and physical geographic problems. See department for topics offered. May be repeated for credit as topics change.
prereq: GTEC 20100 or equiv.
3 hrs3 cr.

PGEOG 31300 - Biogeography

GER 3/B
Provides an understanding of the geographic distribution and temporal variability of biological diversity over the face of the Earth and the biotic and abiotic factors and processes underlying these patterns and dynamics. Completion of PGEOG 25000/25100 and GTECH 37300 prior to enrollment is strongly recommended.

prereq: PGEOG 13000, GEOG 10100 or BIOL 10000/10200
3 hrs3 cr.

PGEOG 33500 - Urban and Metropolitan Coasts

GER 3/B
A systematic study of the natural and anthropogenic processes on urban coastal environments. Special emphasis on the coastline of the NY metropolitan area, with examples from coastal cities worldwide.
prereq or coreq: Prereq: GEOL 10100 or GEOG 10100
3 hrs3 cr.

PGEOG 36100 - Global Climatic Change
GER 3/B
Open to Jr/Sr only. An intensive introduction to the study of climate change with emphasis on modern climate change, anthropogenic forcing and measured and predicted consequences of this forcing. Students will develop an understanding of natural climate forcing, natural variability and feedbacks in the climate system while concurrently studying the Earth’s climate history, and modern climate change.
prereq: PGEO 13000 or GEOL 10100 or 10500
3 hrs3 cr.

PGEOG 36300 - Environmental Hazards

GER 3/B
The course, in response to actual and potential hazards, either natural or anthropogenic in origin, will investigate the processes that link fundamental social development to environmental processes that are influenced by human activities. Natural hazards, in many cases, augment the environmental fragility of our society and the consideration of environmental hazards needs to be incorporated into management of climate variability, storms, droughts, floods, earthquakes, etc. An aim is to seek preventive measures and find solutions to act on environmental hazards on national and international levels.
prereq: PGEO 13000 or equiv.prereq or coreq: PGEOG 13000 or equiv.
3 hrs3 cr.

PGEOG 38300 - Special Topics in Environmental Studies

GER 3/B
Open to Jr/Sr only. Topics to be announced.
prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, one course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab)1-3 cr.

POLSC 24400 - Energy and Environmental Politics and Public Policy (W)

GER 3/B
Examination of political processes and public policies shaping energy production and consumption in the U.S. with comparative reference to other countries. Emphasis on political, economic, social, environmental and foreign policy aspects.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

SOC 36100 - Development and Modernization (W)

GER 3/B PD/A
Examinations of models of social change with a special focus on developing countries.
prereq: SOC 10100
3 hrs3 cr.

URBS 31000 - Methods of Urban Research and Policy Analysis

GER 3/B
Survey of research skills necessary for analysis of contemporary urban issues. Includes review of data sources, methods of forecasting, use of computer, and methods of information presentation.
prereq: URBS 10200 or perm instr.
3 hrs 3 cr.

URBS 40100 - Managing Urban Physical Environment

GER 3/B
Advanced study of the physical structure of cities which includes an analysis of zoning, land use, transportation, and the location of housing. The role of public and private agencies at local, state, and national levels in the planning and management of the physical environment is also considered.

prereq: URBS 20100 or perm instr.
3 hrs 3 cr.

Total credits 40

Note(s):

*Graduate course. See 2006-2009 graduate catalog. Available to upper seniors or with instructor permission. Students who wish to take a 700-level course to satisfy the major must obtain permission from both the environmental studies adviser and the offering department.

Environmental Studies - BA

The major offers two concentrations which are organized to promote an intensive understanding of contemporary physical science, specifically earth system science as it relates to environmental issues, and an intensive understanding of a system-based approach to the dynamic nature of human-environmental interactions particularly as manifest in contemporary politics and economics. The concentrations are Environmental Earth Science and Environmental Management and Policy. It is suggested that students select a concentration as they enter the major with the understanding that the choice is not final at this stage and students can switch concentrations as they advance in the program. To aid in this process, the curriculum offers a common core of required courses, as well as sufficient overlap within the required elective courses. It is strongly recommended that students considering this major meet with the adviser to discuss their interests and program of studies as courses may be added or deleted as the college’s and department’s offerings change. One or more courses not listed below may be included in a student’s concentration with the advice and consent of the adviser.

A. Environmental Earth Science Concentration
B. Environmental Management and Policy Concentration

Internships

Students can receive from one to four credits for internships in government agencies, consumer and activist groups, business and industry and media organizations involved in energy issues (e.g., Council on the Environment of NYC, Energy Task Force, NY State Assembly, Sierra Club, International Earthcare Center, NY State Department of Energy, Brooklyn Union Gas, NYC Department of Environmental Protection and the American Museum of Natural History).

Minor in Environmental Studies

A minor in environmental studies consists of a minimum of 12 credits as follows
one course selected from

PGEOG 13000 - Weather and Climate

GER 2/E
Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.
5 hrs (3 lec, 2 lab)/4 cr.
Offered in the Fall and Spring

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab)/4.5 cr.
Offered fall and spring.

GEOL 10500 - Introduction to Environmental Geoscience

Introduction to environmental geoscience focusing on aspects of global change and the interrelationship of earth systems. Review of the evolution of the earth from its origins to potential future developments; environmental problems and issues.
prereq: ENGL 12000
3 hrs/3 cr.

GEOL 18000 - Introduction to Oceanography

GER 2/E
Dynamic processes are responsible for the ocean’s influence on our environment and life cycles on earth. The course introduces students to the broad field of oceanography and specifically identifies areas which are of concern on both local and global scales. The origins of the oceans and life as it exists in today’s ocean will be covered. Lectures will include the sub-disciplines of biological, chemical, physical, and geological oceanography and concepts that relate to continental margins, ocean basins, sediments and seafloor spreading. Emphasis will be given to the interaction between the circulation of the atmosphere and ocean surface currents, deep ocean circulation, waves and tides. The coastal zone as a fragile environment will be highlighted in connection with dynamic physical and biological processes. No lab component.
3 hrs/3 cr.
Offered fall and spring.

and

at least one course (minimum of 3 credits) selected from

PGEOG 25000 - Earth System Science I
GER 3/B
In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.
prereq: at least one 100-level science course or perm instr.
prereq or coreq: GEOL 10100 or PGEOG 13000 or GEOG 22600 or perm instr.
4 hrs 3.5 cr.

PGEOG 25100 - Earth System Science II

GER 3/B
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.
prereq: PGEO 25000 or perm instr.
4 hrs 3.5 cr.

GEOG 22600 - Environmental Conservation: Resource Management

GER 2/B
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.
3 hrs 3 cr.

GEOL 28000 - Marine Geology

GER 3/B
Marine Geology is the study of the seafloor. This course attempts to answer the questions “what?”, “where?”, “when?” and more importantly “how?” in order to better understand the processes that shape the ocean basins and determine the structure and composition of the oceanic crust. The main patterns of sediment distribution in the ocean basins and how sediments preserve a record of past climatic and sea-level changes will be explored. In addition, the role of fluids in ocean sediments and the oceanic crust will be examined. The seafloor sediments will be studied with a focus on their role in marine biogeochemical cycles.
prereq: GEOL 10200 or perm instr.
3 hrs 3 cr.
Fall

GTECH 20100 - Introduction to Geographic Methods

Introduces the means by which geographers analyze the world to better understand geography and geographical processes. It offers an introduction to various methods for interpreting and analyzing spatial data including, cartography, GIS, remote sensing, spatial statistics and survey research.

prereq: GEOG 10100 or GEOG 15000 and MATH 10100 or equiv or perm instr.
6 hrs (2 lec, 4 lab) 4 cr.
Offered fall and spring.
and

- at least one course (minimum of 3 credits) from the 300-level approved electives listed in the college catalog under either the environmental studies program’s Concentration A Environmental Earth Science Concentration or Concentration B Environmental Management and Policy Concentration).

Minor in Geology

A minor in geology consists of 12 credits selected from GEOL prefix courses

-or-

PGEOG 23100 - Physical Geography II: Principles of Geomorphology

See GEOL 23100

-or-

PGEOG 33400 - Coastal Geomorphology See GEOL 33400

See GEOL 33400

-or-

GTECH 35000 - Field Topographic Surveying

Field use of surveying equipment. Notebook and computer data collection relating to horizontal and vertical location on the landscape, including the use of global positioning systems. Field record-keeping and preliminary analysis of results. Fee for transportation, accommodations and food allowance required.

prereq: GTEC 20100, perm instr.
90 hrs of field/lab work (1 day lab, 10 days field)3 cr.
Offered summer intersession (check with dept. in April).
Prerequisites may apply. It is recommended that prospective geology minors consult with an undergraduate adviser from the Department of Geography.

Additional Information

If after taking a number of geology courses at Hunter, a student wishes to concentrate in geology, it is recommended that the student transfer to a unit of CUNY offering a geology major or take courses on permit at other CUNY units as elective credits.

Preparation for Graduate Work in Teaching Earth Science

For students planning to pursue an MA degree for teachers of earth science, grades 7-12, it is recommended that they complete the following undergraduate work: a baccalaureate degree with a grade point average of 2.8 or better in their science courses and in their overall undergraduate work; a major of at least 30 credits in arts and sciences.

At least 21 credits in

- geology,
- physical geography,
- earth science or environmental science, including geographic techniques;
- general education core in the liberal arts and sciences that includes
6 credits in English,
och 6 credits in mathematics/technology,
och 6 credits in social studies (to include at least one course in U.S. history or geography),
och 6 credits in the arts and
och 6 credits in a language other than English.

It is recommended, but not required, that the criteria above be satisfied using

- electives selected from GEOL, PGEOG and GTECH courses;
- a minor in geology;
- GER core requirement laboratory science chosen from
  - chemistry,
  - physics or
  - biology and
- GER core requirement non-laboratory science chosen from
  - astronomy,
  - oceanography,
  - statistics or mathematics.

For further information on the education requirements, students should see an adviser in the School of Education.

Honors Work and Individual Study

To graduate with departmental honors, a major in the geography or environmental studies program must be admitted to

**GEOG 49000 - Honors in Geography**

Upper Jr/Sr geography majors only. Individual research to be carried on under faculty guidance. Results must be embodied in an honors essay or equivalent.

**prereq:** perm dept.

1 sem 3 cr.

**PGEOG 49000 - Honors in Environmental Studies**

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.

**prereq:** perm dept.

- and have a 3.0 cumulative GPA and a 3.5 GPA in the major.

The following courses

also offer students the opportunity of undertaking individual research in geography, geology or environmental studies.

**GEOG 39100 - Individual Study in Geography**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** 2 sem of geography, perm dept.

1-3 cr

**GEOG 39200 - Individual Study in Geography**
Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

prereq: 2 sem of geography, perm dept.
1-3 cr

GEOG 39300 - Individual Study in Geography

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

prereq: 2 sems of geography, perm dept.
1-3 cr

GEOL 39100 - Individual Study in Geology

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

prereq: 2 sems of geology, perm dept.
1-3 cr

GEOL 39200 - Individual Study in Geology

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

prereq: 2 sems of geology, perm dept.
1-3 cr

GEOL 39300 - Individual Study in Geology

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

prereq: 2 sems of geology, perm dept.
1-3 cr

PGEOG 39100 - Individual Study in Environmental Studies

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

prereq: GEOL 10500, GEOG 22600 or PGEOG 13000
1-3 cr

PGEOG 39200 - Individual Study in Environmental Studies

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, perm instr.
1-3 cr

PGEOG 39300 - Individual Study in Environmental Studies

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

prereq: GEOL 10500, GEOG 22600 or PGEOG 13000; perm instr.
1-3 cr

Fieldwork
Several courses offer students an opportunity to study geography, geology and environmental situations in the field. They are usually offered during intersession periods, summer session or on weekends (consult Schedule of Classes). In addition to the regular field courses, special-topic field courses are offered periodically and fieldwork is conducted in connection with a number of the other courses. The department participates in the Study Abroad Program. It offers a field geography of selected world regions course (check with adviser for current location). An additional fee for transportation, lodging and food allowance is attached to these courses, depending on the focus of the course and its itinerary.

Graduate Study

Graduate-level courses may be taken for credit toward the bachelor’s degree by highly qualified seniors. Written permission must be obtained from the undergraduate and graduate advisers.

Intern Program

Internship provides opportunities for qualified majors and minors in both geography and environmental studies to work in positions of responsibility in professional institutions while earning from 1 to 4 academic credits. See a departmental adviser for details.

GEOG 49800 - Internship

Open to qualified geography majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See undergraduate adviser.

1-4 cr.

PGEOG 49800 - Internship in Environmental Studies

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.

1-4 cr.

Film - BA

Major in Film (30 cr)

30 credits, combined total: 12 credits analytical, 12 credits production and 6 credits electives from analytical and/or production courses.

Students must receive a grade of B or better in FILM 10100 to declare a major in film. The major must be declared in person with an undergraduate film adviser (call (212) 772-4949 to schedule). The student must bring his or her transcript, and, where relevant, transcripts from other colleges attended, when meeting with the undergraduate film adviser to declare a film major. Students majoring in film must also take FILMP 15000 which is prerequisite for all film production courses. FILM 10100 and FILMP/MEDIAP 15000 do not count towards the major. A maximum of 6 credits in MEDIA courses at the 200 or 300 level may be applied toward the major in film. Students must meet any prerequisites for these courses. Courses at the 100 level, independent study, and internship courses do not count toward the major. Students must see a program adviser to plan choice and sequence of courses.
I Analytical Course Requirements (12 cr)

A) Film Style and Close Analysis (6 cr)

**FILM 20100 - Practical Film Analysis**

GER 3/A  
Close case study of a selected motion picture.  
*prereq: FILM 10100*  
*3 hrs3 cr.*

plus 3 credits from one of the following courses:

**FILM 22400 - Cinematic Space**

GER 3/A  
Study of the theories and uses of cinematic space, film design, and the relationship between art direction and film narrative.  
*prereq: FILM 10100, 20100*  
*4 hrs3 cr.*

**FILM 23100 - Studies of Selected Directors**

GER 3/A  
Study of aesthetic and cultural implications of authorship as developed and practiced in cinema. May be repeated for credit with a different topic.  
*prereq: FILM 10100, 20100*  
*4 hrs3 cr.*

**FILM 32300 - Film Technology and Aesthetic Theory**

GER 3/A  
Study of the relationship between film technology and film theory. May be repeated for credit with a different topic.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
*prereq: FILM 10100, 20100, 25100*  
*4 hrs3 cr.*

**FILM 32351 - Aesthetics of Film Sound**

GER 3/A  
Examination of the history, theory and aesthetics of the relationship between film sound and image.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 30000- and 40000-level courses in FILM.*  
*prereq: FILM 10100, 20100*  
*4 hrs3 cr.*

**FILM 33300 - Styles and Theories of Film Acting**

GER 3/A  
Study of film acting with regard to theoretical structures and aesthetic practice.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.

prereq: FILM 10100, 20100
4 hrs3 cr.

B) Film History (6 cr):

**FILM 21100 - Film History I: 1895-1942**

GER 3A PD/D
Survey of film history and theory from the silent era to 1942.
prereq: FILM 10100
4 hrs3 cr.

**FILM 21200 - Film History II: Since 1942**

GER 3/A PD/D
Survey of film history and theory from 1942 to the present.
prereq: FILM 10100
4 hrs3 cr.

If students choose to take only FLM 21100 or only FLM 21200, they must also choose from the following:

**FILM 21300 - National Cinema**

GER 3/A PD/D or A
Study of the cultural background, theoretical underpinnings, and artistic practices of a selected national cinema. May be repeated for credit with a different topic.
prereq: FILM 10100
4 hrs3 cr.

**FILM 23000 - Movies in American Culture**

GER 3/A
Cultural processes that affect the production and reception of movies in the U.S. Interrelationships among the stylistic, thematic, technical, industrial and regulatory aspects of American moviemaking.
prereq: FILM 10100, 21100 or FILM 21200
3 hrs3 cr.

**FILM 34400 - History of Cinematography**

GER 3/A
Survey class addressing key developments in the history and aesthetics of cinematography.

prereq: FILM 10100, 20100, 21100 or 21200
4 hrs3 cr.

**FILM 39700 - Topics in Film History**
GER 3/A PD/D
A focused examination of specific issues and moments in film history. May be repeated for credit under a different topic.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 20100, 21100 or 21200
4 hrs 3 cr.

II Production Course Requirements (12 cr):

A) Required Production Sequence (9 cr):

FILMP 25100 - Film Production I
Introduction to the fundamentals of filmmaking, writing, cinematography and editing.
prereq: FILM 10100, FILMP/MEDIAP 15000; open to majors only or perm instr.
4 hrs 3 cr.

FILMP 27600 - Screen Writing I - The Short (W)
The Short Fundamentals of writing for film; critiques of original student scripts.
prereq: FILM 10100 and ENGL 12000; open to film/media majors only or perm instr.
4 hrs 3 cr.

FILMP 35200 - Film Production II
Further development of fundamental filmmaking skills: pre-production, directing, and syncsound production techniques.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 251, FILMP 276; open to film/media majors only or perm instr.
4 hrs 3 cr.

B) Advanced Production Cluster (3 cr):

FILMP 37100 - Screen Directing I
Theory and practice of the film director's role as guiding force in creation of visual and aural images.
Except as otherwise noted, ENGL 120 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 251, FILMP 276; open to film/media majors only or perm instr.
4 hrs 3 cr.

FILMP 37700 - Screen Writing II The Feature (W)
Continuation of workshop experience with emphasis on full-length screenplay.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
4 hrs 3 cr.

III Elective Course Requirements (6 cr):
From analytical and/or production electives: At least one elective must be a 300 level or above course.

A) Analytical Electives:

**FILM 21400 - Multicultural Perspectives in Cinema**

GER 3/A PD/B (214.51 only)
Study of the contributions of minority groups to filmmaking, including examination of how those contributions have countered stereotypical representations of racial, national, and cultural identity in mainstream cinema. May be repeated for credit with a different topic.
*prereq: FILM 10100*  
4 hrs3 cr.

**FILM 21500 - Women and Film**

GER 3/A PD/C  
Films by women directors and the ways women's films counter the dominant patriarchal view of women reflected in commercial cinema.
*prereq: FILM 10100*  
4 hrs3 cr.

**FILM 22200 - Topics in Genre Studies**

GER 3/A  
Critical study of generic categories such as the western, horror, comedy, film noir, melodrama, or the musical. May be repeated for credit with a different topic.
*prereq: FILM 10100*  
4 hrs3 cr.

**FILM 22252 - Topics in Genre Studies: “The Woman's Film” of the 1940s**

GER 3/A PD/C  
This course focuses on “the woman's film”, from the forties. Discussion of the woman's film, an umbrella term for a series of genres (melodrama, gothic film, comedies) in which the woman is the main protagonist as well as the intended spectator.  
cross-listed with WGS 22252  
*prereq: FILM 10100*  
4 hrs3 cr.

**FILM 23200 - Experimental Film and Video**

GER 3/A PD/D  
Historical examination of pertinent films and videos with particular emphasis on current American productions.
*prereq: FILM 10100, 20100, FILMP/MEDIAP 15000*  
4 hrs3 cr.

**FILM 29900 - Special Topics in Film**

GER 3/A  
Not offered at all times. A specific topic will be listed in Schedule of Classes for a given semester.
prereq: perm dept.
1-3 hrs 1-3 cr.

**FILM 32200 - Contemporary Film Theory**

GER 3/A PD/D
Survey of current film theory and criticism, including developments in film semiotics, psychoanalytic film theory, feminist film theory, narrative theory, historiography and reception theory.
*Except as otherwise noted, ENGL 12000 is prerequisite for all 30000- and 40000-level courses in FILM.*
prereq: FILM 10100, 21100 or 21200
4 hrs 3 cr.

**FILM 32400 - Narrative Strategies**

GER 3/A
Study of narrative techniques in cinema
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
prereq: FILM 10100 and 20100 or 23100
4 hrs 3 cr.

**FILM 32600 - America in American Film and Video**

GER 3/A
Investigation of the ways that film and video have dealt with issues of American identity. This course explores how basic American myths have been mobilized to project a particular view of the nation at various historical points.
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
prereq: FILM 10100, 21100 or 21200
3 hrs 3 cr.

**FILM 32700 - Representations of Race and Ethnicity in U.S. Media**

GER 3/A PD/B
A historical look at changes and continuities in the social construction of a selected race or ethnicity in movies; advertising, including political campaigns; journalism, and other forms of American popular culture. May be repeated for credit with different topic.
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
prereq: FILM 10100
4 hrs 3 cr.

**FILM 32800 - Images of Resistance in the Developing World**

GER 3/A PD/A
Focuses on challenges by developing world films and filmmakers to Western media stereotypes.
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
prereq: FILM 10100
3 hrs 3 cr.

**FILM 33200 - Myths and Images in the Media**

GER 3/A
Study of film and media as decisive vehicles of myth, imagery and aesthetics in an advanced industrial society.
FILM 33400 - Theatricality and the Presentation of Self

GER 3/A
Examination of the problems of authenticity in the performing self through analysis of representations in film, TV and the everyday.

FILM 39100 - Problems in Film Research

GER 3/A
Study of basic methods of solving problems in the field of cinema studies.

FILM 39900 - Studies in Film

GER 3/A
Not offered at all times. Specialized topics for majors will be listed in Schedule of Classes for a given semester.

FILM 40100 - Independent Research

Open to majors only. Directed program of reading, research, or creative presentation, arranged on an individual basis.

FILM 40200 - Honors Project

Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision.

FILM 49900 - Advanced Seminar

Selected topics in cinema studies.
B) Film Production Electives:

A second course from the advanced production cluster may be taken as an elective course.

**FILMP 37100 - Screen Directing I**

Theory and practice of the film director's role as guiding force in creation of visual and aural images.

*Except as otherwise noted, ENGL 120 is prerequisite for all 300- and 400-level courses in FILM.*

*prereq: FILMP 251, FILMP 276; open to film/media majors only or perm instr.*

4 hrs3 cr.

**FILMP 37700 - Screen Writing II The Feature (W)**

Continuation of workshop experience with emphasis on full-length screenplay.

*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*

*prereq: FILMP 27600*

4 hrs3 cr.

**FILMP 31100 - Directing Documentary Video Production**

Exploration of the aesthetics of documentary form that provides students with an in-depth and hands-on understanding of preproduction and production of documentary video.

*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*

*prereq: MEDP 28100; open to film/media majors only or perm instr.*

4 hrs3 cr.

or

**FILMP 28600 - Sound for Film and Video I**

Basic sound theory and production sound recording techniques, concentrating on microphones, field mixers and recording equipment, boom operation and on-set procedures.

*prereq: FILMP 25100 or MEDP 28100*

3 hrs3 cr.

**FILMP 34100 - Producing the Film**

Contracts, financing, distribution, copyright law, options, acquisition of rights, securities law requirements.

*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*

*prereq: FILMP 25100, FILMP 27600*

3 hrs3 cr.

**FILMP 37200 - Screen Directing II**

Continuation of FILMP 37100.

*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*

*prereq: FILMP 37100 or permission of instructor*

4 hrs3 cr.
FILMP 38100 - Techniques of Cinematography

Advanced cinematographic techniques such as sensitometry, effects lighting and special effects.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 35200 or permission of instructor
4 hrs 3 cr.

FILMP 38200 - Narrative Editing

Narrative editing concepts, theories and techniques. Editing exercises explore the aesthetic and practical components of the craft and introduce advanced digital editing tools.

prereq: FILMP 25100
4 hrs 3 cr.

FILMP 38300 - Sound Design

Aesthetics of sound design with practical instruction in audio post-production technology.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 25100 or MEDIAP 28100 or perm. instr.
3 hrs 3 cr.

FILMP 38400 - Film and Video Production

Production of short films with each student assigned to specific crew positions.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 35200, and permission of instructor.
variable hrs 3 cr.

FILMP 39900 - Special Topics in Advanced Film Practice

Offered periodically with the specific topic listed in the schedule of classes.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: perm instr.
4 hrs 3 cr.

FILMP 45100 - Film and Video Production Seminar

Individual student films produced under faculty supervision.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 35200 and perm instr.
3 hrs 3 cr.

FILMP 49800 - Internship

Opportunity to gain professional experience
40 working per. Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, two other film courses or equiv; perm dept and host institution
1-6 cr, 40 working hrs per cr.
Minor in Film

Students who wish to minor in film must complete a total of 15 credits. FILM 10100 does not count towards the minor.

Required courses

**FILM 21100 - Film History I: 1895-1942**

GER 3A PD/D
Survey of film history and theory from the silent era to 1942.
*prereq: FILM 10100
4 hrs 3 cr.*

**FILM 21200 - Film History II: Since 1942**

GER 3/A PD/D
Survey of film history and theory from 1942 to the present.
*prereq: FILM 10100
4 hrs 3 cr.*

and two 200-level courses, and two 300-level courses.

No film production classes (designated FILMP) are available to minors with the exception of

**FILMP 27600 - Screen Writing I - The Short (W)**

The Short Fundamentals of writing for film; critiques of original student scripts.
*prereq: FILM 10100 and ENGL 12000; open to film/media majors only or perm instr.
4 hrs 3 cr.*

**FILMP 37700 - Screen Writing II The Feature (W)**

Continuation of workshop experience with emphasis on full-length screenplay.
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 27600
4 hrs 3 cr.*

Honors

To qualify for departmental honors in Film or Media Studies, a student must have a 3.5 grade point average in major courses and a 3.0 grade point average overall. The student must also either complete an Honors Project, approved by the Department Policy and Curriculum Committee, with a grade of A; or a 400-level production or analytical seminar course with a grade of A. See the department for more information.

**FILM 40200 - Honors Project**

Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision.
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: 3 advanced-level courses, 3.0 GPA and 3.5 major GPA perm dept.
3 hrs 3 cr.*
MEDIA 40200 - Honors Project

Open to Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision. Successful completion qualifies student for departmental honors at graduation.

prereq: 3 advanced-level courses; 3.0 GPA and 3.5 major GPA; perm dept.
3 hrs 3 cr.

French - BA

Honors

Students qualified to graduate with departmental honors must take an honors course or equivalent approved by the departmental advisers. Departmental honors will be conferred upon a recommendation from the appropriate departmental committee. Candidates must present a paper of at least 7,000 typewritten words in the language of specialization. Consult the department for further information.

Graduate Study

Qualified seniors with a minimum GPA of 3.5 in their discipline may be admitted to graduate level courses. Permission must be secured from the chair and then forwarded to the dean. Consult the graduate catalog for requirements and regulations.

Major

The French major provides two concentrations:

a. French Literature (30 cr)

b. French Language and Civilization (30 cr)

Preparation for Teaching French, Spanish or Italian Adolescent Education (grades 7-12)

Students pursuing adolescent education must complete the 30 or 36 credit major in one of these languages and, in addition, complete the course in second language acquisition (3 cr). The 23-credit pedagogical sequence in adolescent education will serve as the minor. See the School of Education section of the catalog for further information.

Study Abroad

All study abroad programs are open to students from Hunter College and other accredited institutions. Majors and minors in the Department of Romance Languages are strongly encouraged to participate in study abroad programs (see adviser for GPA requirements).

Qualified students can apply for financial aid and STOCS grants.

The New York/Paris Exchange Program is open to students who wish to study a semester or a year at a French university in Paris. For the requirements and more details, contact Professor J. Przybos at (212) 772-5097. French in France is offered during June, July and August at Pau and Bayonne.
Minor in French (15 credits)

a. French Literature and Culture

This course of study provides the opportunity to deepen the knowledge of French language beyond the basic language sequence and to introduce students to French Culture trans-historically, in ways that could usefully complement a major in another field in the humanities, where a broad knowledge of French history or culture could be useful (for instance in the Arts).

The prerequisite for this minor consists either of

**FREN 20200 - Intermediate French II**

Language lab mandatory.

*There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.*

*prereq: FREN 2000 or three yrs high school French*

3 hrs 3 cr.

-or-

**FREN 20300 - Intensive Intermediate French**

Equivalent to material covered in 20100 and 20200. Language lab mandatory.

*There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.*

*prereq: FREN 10200 or two yrs high school French*

6 hrs 6 cr.

For the minor, 3 language courses to be chosen from

**FREN 21100 - Intermediate Grammar and Composition**

Continued study of grammar and syntax, with focus on reading and writing. Intended for French majors and minors.

*prereq: FREN 20200 or equiv.*

3 hrs 3 cr.

**FREN 22000 - Advanced French Conversation**

*prereq: FREN 20200 or four yrs high school French*

3 hrs 3 cr.

**FREN 31100 - Advanced French Grammar**

*prereq: FREN 20200*

3 hrs 3 cr.
**FREN 31200 - French Oral and Written Expression**

*prereq: FREN 20200 or equiv.*
3 hrs 3 cr.

and 2 Culture and Civilization courses to be chosen from

**FREN 33500 - French Culture I**

PD/D
Main intellectual and artistic currents from the Gauls to the French Revolution. Conducted in French.
*prereq: FREN 20200 or four yrs high school French*
3 hrs 3 cr.

**FREN 33600 - French Culture II**

PD/D
Main intellectual and artistic currents from the French Revolution to 1958. Conducted in French.
*prereq: FREN 20200 or four years of high school French*
3 hrs 3 cr.

**FREN 33700 - Contemporary French Culture**

Contemporary French civilization and culture from 1958 to the present, as seen in its press. World events observed through the lens of French culture and politics. Comparison of current events coverage by French and U.S. Press.
*prereq: FREN 31100 or 31200 or perm instr.*
3 hrs 3 cr.

**b. French Literature**

This course of study provides the opportunity to deepen the knowledge of French language beyond the basic language sequence through the analysis of French Literature. Among undergraduates potentially interested in this track are our native-speakers, or students with a francophone background, whose majors are in another, non-related, discipline.

The prerequisite for this minor consists of

**FREN 21100 - Intermediate Grammar and Composition**

Continued study of grammar and syntax, with focus on reading and writing. Intended for French majors and minors.
*prereq: FREN 20200 or equiv.*
3 hrs 3 cr.

For the minor, students must first complete

**FREN 34100 - Survey of French Literature from the Middle Ages to the End of the 17th Century**
GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

and then choose 3 courses from the following:

FREN 34300 - Medieval and Renaissance French Literature

GER 3/A PD/D
From medieval epics, lyrical poetry and mystery plays to writers such as See, Du Bellay, Ronsard, Rabelais and Montaigne.

FREN 34100 and 34200 are prerequisite to all courses numbered 34300 and above.
3 hrs3 cr.

FREN 34400 - 17th Century French Literature

GER 3/A PD/D
Such authors as Boileau, Bossuet, Corneille, Cyrano de Bergerac, La Bruye, Mme de Lafayette, La Fontaine, Malherbe, Molire, Pascal, Racine, Mme de Sign Saint Simon.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 34600 - 18th Century French Literature

GER 3/A PD/D
Such authors as Beaumarchais, Buffon, Ch'nier, the Encyclopedists, Diderot, Laclos, Marivaux, Montesquieu, Provost, Rousseau, Sade, Voltaire.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 34800 - 19th Century French Literature (1800-1850)

GER 3/A PD/D
Such authors as Balzac, Chateaubriand, Constant, Gautier, Hugo, Lamartine, Musset, Sand, Mme de Sta, Stendhal, Vigny.
FREN 34100 and 34200
3 hrs3 cr.

FREN 34900 - 19th Century French Literature (1850-1900)

GER 3/A PD/D
Such authors as Barbey durevilly, Barr's, Baudelaire, Daudet, Flaubert, France, Huysmans, Leconte de Lisle, Mallarm, Maupassant, Renan, Rimbaud, Sainte-Beuve, Taine, Verlaine, Villiers de Isle-Adam, Zola.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 35000 - 20th Century French Literature (1900-1950)

GER 3/A PD/D
Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, Proust, Sartre.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 35100 - Contemporary French Literature (1950-present)

GER 3/A PD/D
Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Kolt’s, NDiaye, Peref, Redonnet, Robbe-Grillet, Sarraute.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36000 - French Literature: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36100 - Middle Ages and the Renaissance: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36200 - The 17th Century: Special Topics

GER 3/A PD/D
3 hrs 3 cr.

FREN 36300 - The 18th Century: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36400 - The 19th Century: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36500 - The 20th Century: Special Topics
GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

c.. World Literature in French

This course of study provides the opportunity to deepen the knowledge of French language beyond the basic language sequence through the analysis of World Literature in French. With the growth of “global studies,” a good knowledge of francophone culture helps prepare our students access to an expanded world of cultural, commercial, political exchanges (28 countries have French as an official language.)

The prerequisite for this minor consists of

FREN 21100 - Intermediate Grammar and Composition

Continued study of grammar and syntax, with focus on reading and writing. Intended for French majors and minors.

prereq: FREN 20200 or equiv.
3 hrs 3 cr.

For the minor, students must first complete

FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

and then take

FREN 35300 - Survey of Francophone Literature

GER 3/A
A study of literature produced in French-speaking regions and nations (other than France) such as North and West Africa, the Caribbean, Vietnam and Quebec.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 35000 - 20th Century French Literature (1900-1950)

GER 3/A PD/D
Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, P guy, Proust, Sartre.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

-or-
FREN 35100 - Contemporary French Literature (1950-present)

GER 3/A PD/D
Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Kolt's, NDiaye, Perec, Redonnet, Robbe-Grillet, Sarraute.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36000 - French Literature: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36500 - The 20th Century: Special Topics

GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

c. French Culture and Literature in Translation

This course of study provides the opportunity to students with no knowledge of the French language to be introduced to French Culture & Literature. This minor offers an interesting complement or context to studies in other fields (such as history, philosophy, political theory or women’s studies) that have benefited, historically, from French influences.

The courses in this minor are to be chosen from a selection of 200-level courses, taught in English, such as

FREN 24100 - Early French Civilization: From Gothic to Revolution

GER 2/C PD/D
Conducted in English; readings in English.
3 hrs 3 cr.

FREN 24200 - Modern French Civilization: From Revolution to Present

GER 2/C PD/D
Conducted in English; readings in English.
There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
3 hrs 3 cr.

FREN 25100 - French Literature and the Arts

PD/D
Conducted in English; readings in English and French. Particular attention to theme, image and structure as they may
be compared in literary and artistic works.

3 hrs 3 cr.

FREN 25200 - From Symbolism to Surrealism in French Literature

GER 3/A
Conducted in English; readings in English. Impressionist, symbolist, cubist, Dada and surrealist movements in literature and art from the late 19th to 20th century.

3 hrs 3 cr.

FREN 25300 - Modern French Theatre: Theory and Practice

GER 3/A PD/D

4 hrs 3 cr.

FREN 25400 - Film and the French Novel

GER 3/A PD/D
Conducted in English. Truffaut, Godard, Resnais, Robbe-Grillet and others.

3 hrs 3 cr.

FREN 25500 - New Approaches to Modern French Literature

GER 3/A
Conducted in English; readings in French and English. Investigation of various currents of 20th century literary and aesthetic criticism as practiced in France.

3 hrs 3 cr.

FREN 25600 - Dream and Image (W)

GER 3/A
Conducted in English. Analysis of literary representations of dreams. Exploration of the relationship between word and image in French Literature. Such authors as Flaubert, Maupassant, Nerval and Proust.

3 hrs 3 cr.

FREN 25700 - Literary Cross-Currents

Conducted in English. Topics: Interaction of French and Russian literature, of French and American literature; the myth of Germany in French literature; Shakespeare in France; Dante and French literature.

prereq: reading knowledge of French

3 hrs 3 cr.

FREN 25800 - French Poetry in Translation

Conducted in English. Study of major themes, theories and texts from 16th century to contemporary period.

3 hrs 3 cr.

FREN 25900 - French Theatre in Translation
PD/D
Conducted in English; readings in English. Development of French theatre from 17th to 20th century. Great plays that have become known in English translation.
3 hrs3 cr.

**FREN 26000 - French Novel in Translation (1600-1900)**

PD/D
Readings in English; conducted in English. Development and evolution of French novel; its relationship to other literary genres.
3 hrs3 cr.

**FREN 26100 - Modern French Novel in Translation (1900-Present)**

PD/D
Conducted in English; readings in English. From Gide and Proust to present.
3 hrs3 cr.

**FREN 26200 - Perspectives on Women in French Literature**

GER 3/A PD/C or D
The representation of women in literary texts from the Middle Ages to the present. Conducted in English. Readings in English translation.

3 hrs3 cr.

**French Language and Civilization (30 cr)**

Return to: French - BA

A concentration in French language as well as in French and Francophone literature, culture and civilization. 12 credits from the language sequence (Group A); 0-9 credits from Group B (offered in English); and 9-18 credits from Group C (offered in French).

**Group A:**

**FREN 22000 - Advanced French Conversation**

*prereq: FREN 20200 or four yrs high school French*
3 hrs3 cr.

**FREN 27500 - Introduction to French Literature**

PD/D
Conducted in French. Introduction to literary texts and analysis using outstanding works of French literature in all genres from across centuries. Emphasis on reading comprehension and explication de texte.

*prereq: FREN 20200 or four yrs high school French*
3 hrs3 cr.
FREN 31100 - Advanced French Grammar

prereq: FREN 20200
3 hrs3 cr.

FREN 31200 - French Oral and Written Expression

prereq: FREN 20200 or equiv.
3 hrs3 cr.

FREN 32100 - French Translation

prereq: FREN 20200 or equiv.
3 hrs3 cr.

Group B:

FREN 24100 - Early French Civilization: From Gothic to Revolution

GER 2/C PD/D
Conducted in English; readings in English.
3 hrs3 cr.

FREN 24200 - Modern French Civilization: From Revolution to Present

GER 2/C PD/D
Conducted in English; readings in English.
There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
3 hrs3 cr.

FREN 25100 - French Literature and the Arts

PD/D
Conducted in English; readings in English. Particular attention to theme, image and structure as they may be compared in literary and artistic works.
3 hrs3 cr.

FREN 25200 - From Symbolism to Surrealism in French Literature

GER 3/A
Conducted in English; readings in English. Impressionist, symbolist, cubist, Dada and surrealist movements in literature and art from the late 19th to 20th century.
3 hrs3 cr.

FREN 25300 - Modern French Theatre: Theory and Practice
GER 3/A PD/D
4 hrs3 cr.

FREN 25400 - Film and the French Novel

GER 3/A PD/D
Conducted in English. Truffaut, Godard, Resnais, Robbe-Grillet and others.
3 hrs3 cr.

FREN 25500 - New Approaches to Modern French Literature

GER 3/A
Conducted in English; readings in French and English. Investigation of various currents of 20th century literary and aesthetic criticism as practiced in France.
3 hrs3 cr.

FREN 25600 - Dream and Image (W)

GER 3/A
Conducted in English. Analysis of literary representations of dreams. Exploration of the relationship between word and image in French Literature. Such authors as Flaubert, Maupassant, Nerval and Proust.
3 hrs3 cr.

FREN 25700 - Literary Cross-Currents

Conducted in English. Topics: Interaction of French and Russian literature, of French and American literature; the myth of Germany in French literature; Shakespeare in France; Dante and French literature.
prereq: reading knowledge of French
3 hrs3 cr.

FREN 25800 - French Poetry in Translation

Conducted in English. Study of major themes, theories and texts from 16th century to contemporary period.
3 hrs3 cr.

FREN 25900 - French Theatre in Translation

PD/D
Conducted in English; readings in English. Development of French theatre from 17th to 20th century. Great plays that have become known in English translation.
3 hrs3 cr.

FREN 26000 - French Novel in Translation (1600-1900)

PD/D
Readings in English; conducted in English. Development and evolution of French novel; its relationship to other literary genres.
3 hrs3 cr.
FREN 26100 - Modern French Novel in Translation (1900-Present)

PD/D
Conducted in English; readings in English. From Gide and Proust to present.
3 hrs 3 cr.

FREN 26200 - Perspectives on Women in French Literature

GER 3/A PD/C or D
The representation of women in literary texts from the Middle Ages to the present. Conducted in English. Readings in English translation.
3 hrs 3 cr.

Group C:

FREN 33500 - French Culture I

PD/D
Main intellectual and artistic currents from the Gauls to the French Revolution. Conducted in French.
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 33600 - French Culture II

PD/D
Main intellectual and artistic currents from the French Revolution to 1958. Conducted in French.
prereq: FREN 20200 or four years of high school French
3 hrs 3 cr.

FREN 33700 - Contemporary French Culture

Contemporary French civilization and culture from 1958 to the present, as seen in its press. World events observed through the lens of French culture and politics. Comparison of current events coverage by French and U.S. Press.
prereq: FREN 31100 or 31200 or perm instr.
3 hrs 3 cr.

FREN 34100 - Survey of French Literature from the Middle Ages to the End of the 17th Century

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period
GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 34300 - Medieval and Renaissance French Literature

GER 3/A PD/D
From medieval epics, lyrical poetry and mystery plays to writers such as Sce, Du Bellay, Ronsard, Rabelais and Montaigne.

FREN 34100 and 34200 are prerequisite to all courses numbered 34300 and above.
3 hrs 3 cr.

FREN 34400 - 17th Century French Literature

GER 3/A PD/D
Such authors as Boileau, Bossuet, Corneille, Cyrano de Bergerac, La Bruye, Mme de Lafayette, La Fontaine, Malherbe, Moliere, Pascal, Racine, Mme de Sign Saint Simon.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 34600 - 18th Century French Literature

GER 3/A PD/D
Such authors as Beaumarchais, Buffon, Ch'nier, the Encyclopedists, Diderot, Laclos, Marivaux, Montesquieu, Provost, Rousseau, Sade, Voltaire.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 34800 - 19th Century French Literature (1800-1850)

GER 3/A PD/D
Such authors as Balzac, Chateaubriand, Constant, Gautier, Hugo, Lamartine, Musset, Sand, Mme de Sta, Stendhal, Vigny.
FREN 34100 and 34200
3 hrs 3 cr.

FREN 34900 - 19th Century French Literature (1850-1900)

GER 3/A PD/D
Such authors as Barbey durevilly, Barr's, Baudelaire, Daudet, Flaubert, France, Huysmans, Leconte de Lisle, Mallarm, Maupassant, Renan, Rimbaud, Sainte-Beuve, Taine, Verlaine, Villiers de Isle-Adam, Zola.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 35000 - 20th Century French Literature (1900-1950)

GER 3/A PD/D
Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, P guy, Proust, Sartre.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 35100 - Contemporary French Literature (1950-present)

GER 3/A PD/D
Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Kolt’s, NDiaye, Perec, Redonnet, Robbe-Grillet, Sarraute.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 35300 - Survey of Francophone Literature

GER 3/A
A study of literature produced in French-speaking regions and nations (other than France) such as North and West Africa, the Caribbean, Vietnam and Quebec.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36000 - French Literature: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36100 - Middle Ages and the Renaissance: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36200 - The 17th Century: Special Topics

GER 3/A PD/D
3 hrs3 cr.

FREN 36300 - The 18th Century: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36400 - The 19th Century: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36500 - The 20th Century: Special Topics
GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

**FREN 37500 - Seminar in French Literary History**

GER 3/A PD/D
Readings, discussion and reports.
prereq: FREN 34100 and 34200; five courses in French major
3 hrs 3 cr.

**FREN 49100 - Honors Course in French**

PD/D
Open to Jr/Sr only. Research in history of French literature.
prereq: FREN 34400, 34600, 34800; major GPA 3.2, cum GPA 2.8; perm adviser
3 hrs 3 cr.

**FREN 49500 - Independent Study in French Literature**

prereq: perm adviser
1-3 cr.

**Additional Information**

Within the Language and Civilization concentration, students may choose either FREN 24100 or FREN 33500 (but not both) and either FREN 24200 or FREN 33600 (but not both) to count towards the major.

**French Literature (30 cr)**

Return to: French - BA

A concentration in French literature that emphasizes the study of literary works and criticism.

3 credits from

**FREN 31100 - Advanced French Grammar**

prereq: FREN 20200
3 hrs 3 cr.

**FREN 31200 - French Oral and Written Expression**

prereq: FREN 20200 or equiv.
3 hrs 3 cr.

**FREN 32100 - French Translation**
prereq: FREN 20200 or equiv.
3 hrs 3 cr.

6 credits in

FREN 34100 - Survey of French Literature from the Middle Ages to the End of the 17th Century

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

21 credits from

FREN 33500 - French Culture I

PD/D
Main intellectual and artistic currents from the Gauls to the French Revolution. Conducted in French.
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 33600 - French Culture II

PD/D
Main intellectual and artistic currents from the French Revolution to 1958. Conducted in French.
prereq: FREN 20200 or four years of high school French
3 hrs 3 cr.

FREN 33700 - Contemporary French Culture

Contemporary French civilization and culture from 1958 to the present, as seen in its press. World events observed through the lens of French culture and politics. Comparison of current events coverage by French and U.S. Press.
prereq: FREN 31100 or 31200 or perm instr.
3 hrs 3 cr.

FREN 34300 - Medieval and Renaissance French Literature

GER 3/A PD/D
From medieval epics, lyrical poetry and mystery plays to writers such as See, Du Bellay, Ronsard, Rabelais and Montaigne.
FREN 34100 and 34200 are prerequisite to all courses numbered 34300 and above.
3 hrs 3 cr.

FREN 34400 - 17th Century French Literature
GER 3/A PD/D
Such authors as Boileau, Bossuet, Corneille, Cyrano de Bergerac, La Bruyère, Mme de Lafayette, La Fontaine, Malherbe, Molire, Pascal, Racine, Mme de Sign Saint Simon.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 34600 - 18th Century French Literature
GER 3/A PD/D
Such authors as Beaumarchais, Buffon, Chénier, the Encyclopedists, Diderot, Laclos, Marivaux, Montesquieu, Provost, Rousseau, Sade, Voltaire.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 34800 - 19th Century French Literature (1800-1850)
GER 3/A PD/D
Such authors as Balzac, Chateaubriand, Constant, Gautier, Hugo, Lamartine, Musset, Sand, Mme de Sta, Stendhal, Vigny.
FREN 34100 and 34200
3 hrs 3 cr.

FREN 34900 - 19th Century French Literature (1850-1900)
GER 3/A PD/D
Such authors as Barbey d'urville, Barrès, Baudelaire, Daudet, Flaubert, France, Huysmans, Leconte de Lisle, Mallarmé, Maupassant, Renan, Rimbaud, Sainte-Beuve, Taine, Verlaine, Villiers de l'Isle-Adam, Zola.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 35000 - 20th Century French Literature (1900-1950)
GER 3/A PD/D
Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, Proust, Sartre.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 35100 - Contemporary French Literature (1950-present)
GER 3/A PD/D
Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Koltès, NDiaye, Pèerc, Redonnet, Robbe-Grillet, Sarraute.
prereq: FREN 34100 and 34200
3 hrs 3 cr.
**FREN 35300 - Survey of Francophone Literature**

GER 3/A
A study of literature produced in French-speaking regions and nations (other than France) such as North and West Africa, the Caribbean, Vietnam and Quebec.
_prereq: FREN 34100 and 34200
3 hrs 3 cr.

**FREN 36000 - French Literature: Special Topics**

GER 3/A PD/D
_prereq: FREN 34100 and 34200
3 hrs 3 cr.

**FREN 36100 - Middle Ages and the Renaissance: Special Topics**

GER 3/A PD/D
_prereq: FREN 34100 and 34200
3 hrs 3 cr.

**FREN 36300 - The 18th Century: Special Topics**

GER 3/A PD/D
_prereq: FREN 34100 and 34200
3 hrs 3 cr.

**FREN 36500 - The 20th Century: Special Topics**

GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.
_prereq: FREN 34100 and 34200
3 hrs 3 cr.

**FREN 37500 - Seminar in French Literary History**

GER 3/A PD/D
Readings, discussion and reports.
_prereq: FREN 34100 and 34200; five courses in French major
3 hrs 3 cr.

**FREN 49100 - Honors Course in French**

PD/D
Open to Jr/Sr only. Research in history of French literature.
_prereq: FREN 34400, 34600, 34800; major GPA 3.2, cum GPA 2.8; perm adviser
3 hrs 3 cr.

**FREN 49500 - Independent Study in French Literature**
prereq: perm adviser
1-3 cr.

Students planning to teach in grades 7-12 must also complete 3 credits in Second Language Acquisition:

**FREN 39900 - Second Language Acquisition**

*prereq: at least three courses at the 300 level in the language; ENGL 12000
3 hrs 3 cr.*

-or-

**FREN 49500 - Independent Study in French Literature**

*prereq: perm adviser
1-3 cr.*

-or-

**SEDC 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12**

The nature of language, and language acquisition/learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.

*prereq or coreq: SEDF 20300, 20400
3 hrs 3 cr.*

- SEDC 712 (see graduate catalog)

**Geography - BA**

Students who expect to do graduate work in geography are advised to take courses in statistics and/or computer science. We suggest, but do not require, that those planning to continue to the doctoral level fulfill the GER Foreign Language Requirement with the language of the area of regional specialization.

**Major in Geography (30 cr)**

**PGEOG 13000 - Weather and Climate**

GER 2/E
Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.

*5 hrs (3 lec, 2 lab) 4 cr.*

*Offered in the Fall and Spring*
GTECH 20100 - Introduction to Geographic Methods

Introduces the means by which geographers analyze the world to better understand geography and geographical processes. It offers an introduction to various methods for interpreting and analyzing spatial data including, cartography, GIS, remote sensing, spatial statistics and survey research.

prereq: GEOG 10100 or GEOG 15000 and MATH 10100 or equiv or perm instr.
6 hrs (2 lec, 4 lab)4 cr.
Offered fall and spring.

GEOG 22100 - Economic Geography

GER 2/B
An introduction to the sub-discipline of economic geography, which will include an exploration of the history of both economics and geography, and a rigorous global approach to the subjects. Students will come to understand the history of the development of economic thought, leading up to, and transformed, by today’s crisis, as well as the particularly geographical nature of economic phenomena and processes, and the immense contributions geographers have made to the understanding of economics. Course focus is on the dominant form of global economic activity today, which is capitalistic, and the way this economic structure plays out through different geographies at different historical moments in time.
Not open to freshmen
prereq: GEOG 10100 or perm instr.
3 hrs3 cr.
Offered fall and spring

• One regional geography course (3 cr)

Additional Information

A minimum of 15 additional credits consisting of 0–6 credits selected from 200-level courses with a PGEOG, GTECH, GEOG or GEOL prefix; and a minimum of 9 credits selected from 300-level courses with a PGEOG, GTECH or GEOG prefix (except GEOG 39100, GEOG 39200 and GEOG 39300 and PGEOG 39100 PGEOG 39200 and PGEOG 39300) or LACS 33000.

It is recommended, but not required, that geography majors use the following to satisfy a portion of the General Education Requirement.

Note that GEOG 10100 is a prerequisite to GEOG 22100, but does not count toward the major.

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, “systems thinking”, the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab)4.5 cr.
Offered fall and spring.

GEOL 10200 - Plate Tectonics and the Earth’s Evolution
The second course in geology offered to non-geology majors. It is designed to familiarize students with the main concepts used in deciphering and interpreting earth’s evolution from the spatial and temporal perspective. Topics to be covered include: geologic time; geological principles; earth materials as recorders of past geologic processes; depositional environments and sedimentary rock record; igneous and metamorphic geologic environments and their rock records; evolution of the solar system; plate tectonics and life on earth; origin of the universe; life on earth and the fossil record; Precambrian, Paleozoic, Mesozoic, and Cenozoic life, history and tectonics. Field trips may be required; transportation fee.

*prereq: GEOL 10100
5 hrs (3 lec, 2 lab)4 cr.
Offered fall.*

**STAT 11300 - Elementary Probability and Statistics**

**GER 1/B**
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

*prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs3 cr.*

-or-

**STAT 21300 - Introduction to Applied Statistics**

**GER 1/B**
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

*prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.*

**Minors for Geography Majors**

A minor course of study is no longer required at Hunter College. However, geography majors can elect to minor in any field of their choice. It is recommended, but not required, that the chosen field be related to the student’s principal interest(s) in geography, and that the student consult with the Geography Undergraduate Adviser prior to selection of a minor course of study.

**Minor in Geography**

A minor in geography consists of a minimum of 12 credits chosen from undergraduate courses that have a GEOG, PGEOG or GTECH prefix. Prerequisites may apply. Thoughtful selection of courses may result in a minor program of
study that will enhance the student’s major. It is recommended that prospective geography minors consult with the geography undergraduate adviser concerning course selection.

Options in Social Studies Education within the Geography Major

The Department of Geography and the School of Education provide opportunities for students to prepare for a career in teaching social studies in grades 1-6 (Childhood Education) or in grades 7-12 (Adolescent Education).

1. Option in Social Studies within the Geography Major for Childhood Education Teachers

2. Option in Social Studies within the Geography Major for Adolescent Education Teachers

Honors Work and Individual Study

To graduate with departmental honors, a major in the geography or environmental studies program must be admitted to the following and have a 3.0 cumulative GPA and a 3.5 GPA in the major.

GEOG 49000 - Honors in Geography

Upper Jr/Sr geography majors only. Individual research to be carried on under faculty guidance. Results must be embodied in an honors essay or equivalent.

prereq: perm dept.
1 sem3 cr.

PGEOG 49000 - Honors in Environmental Studies

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.

prereq: perm dept.

The following courses

Also offer students the opportunity of undertaking individual research in geography, geology or environmental studies.

GEOG 39100 - Individual Study in Geography

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

prereq: 2 sem of geography, perm dept.
1-3 cr

GEOG 39200 - Individual Study in Geography

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

prereq: 2 sem of geography, perm dept.
1-3 cr

GEOG 39300 - Individual Study in Geography
Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** 2 sems of geology, perm dept.  
1-3 cr

**GEOL 39100 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** 2 sems of geology, perm dept.  
1-3 cr

**GEOL 39200 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** 2 sems of geology, perm dept.  
1-3 cr

**GEOL 39300 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** 2 sems of geology, perm dept.  
1-3 cr

**PGEOG 39100 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** GEOL 10500, GEOG 22600 or PGEOG 13000  
1-3 cr

**PGEOG 39200 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** GEOL 10500, GEOG 22600 or PGEOG 13000, perm instr.  
1-3 cr

**PGEOG 39300 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** GEOL 10500, GEOG 22600 or PGEOG 13000; perm instr.  
1-3 cr

**Fieldwork**

Several courses offer students an opportunity to study geography, geology and environmental situations in the field. They are usually offered during intersession periods, summer session or on weekends (consult Schedule of Classes). In addition to the regular field courses, special-topic field courses are offered periodically and fieldwork is conducted in connection with a number of the other courses. The department participates in the Education Abroad Program. It offers a field geography of selected world regions course (check with adviser for current location). An additional fee for transportation, lodging and food allowance is attached to these courses, depending on the focus of the course and its itinerary.
Graduate Study

Graduate-level courses may be taken for credit toward the bachelor’s degree by highly qualified seniors. Written permission must be obtained from the undergraduate and graduate advisers.

Intern Program

Internship provides opportunities for qualified majors and minors in both geography and environmental studies to work in positions of responsibility in professional institutions while earning from 1 to 4 academic credits. See a departmental adviser for details.

**GEOG 49800 - Internship**

Open to qualified geography majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See undergraduate adviser.

1-4 cr.

**PGeog 49800 - Internship in Environmental Studies**

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.

1-4 cr.

German - BA

Major

The major consists of 24 credits chosen from the following courses:

Advanced courses in language, level I:

**GERMN 30100 - Advanced German Comprehension and Conversation**

GER 3/A
Intensive practice in reading and listening to German texts and in conversational German; some essay writing. *(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 30200 - Advanced German Conversation and Composition**

GER 3/A
Intensive practice in speaking and writing German. *(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 31000 - Advanced Studies in German Language**

GER 3/A
Intensive language study in a German speaking country. May be repeated once at a different level.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 31200 - Introduction to Business German**

GER 3/A
Introduction to the specialized language of German business and economics and intensive practice in German terminology and style on such topics as banking and finance, the corporate structure and the European Union.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 30100 or perm instr.
3 hrs3 cr.

**Advanced courses in literature, level I:**

**GERMN 32000 - Studies in German Literature and Language**

GER 3/A PD/D
Discussion of literary topics or linguistic phenomena. May be repeated with a different topic.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 32100 - Individual and Society in Modern German Literature**

GER 3/A PD/D
The central conflict between individual liberty and societal constraints as reflected in short stories, novellas and plays by 20th century authors such as Kafka, Brecht, Böll and Frisch.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 32200 - German Civilization**

GER 3/A PD/D
Introduction to key topics in German history, politics, arts, literature and sciences.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or equiv.
3 hrs3 cr.
GERMN 32300 - Women in German Literature

GER 3/A PD/C
Reading and discussion of literature from the 19th century to the present written in German by and about women. (Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details. prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 32700 - Modern Swiss Literature

GER 3/A PD/D
Reading and discussion of literature written in German by Swiss authors since the 19th century. (Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details. prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 32800 - German Children’s and Adolescent Literature

GER 3/A PD/D
Reading and discussion of literature for young readers and adolescents. (Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details. prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 33400 - The German Short Story and Novelle

GER 3/A PD/D
Discussion of short narrative works from age of Goethe to present. (Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details. prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 33500 - German Radio Plays: Hoerspiel

GER 3/A PD/D
Listening to and discussion of literary radio plays from the 1950s to today. (Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details. prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 33600 - German Lyric Poetry

GER 3/A PD/D
Discussion of important lyrics from Baroque period to present. (Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

GERMN 33900 - German Drama from Naturalism to Present

GER 3/A PD/D
Discussion of dramas by such writers as Hauptmann, Wedekind, Brecht, Drrenmatt, Frisch and Handke.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

Advanced courses in literature, level II:

GERMN 34100 - German Drama from Age of Goethe to Naturalism

GER 3/A PD/D
Discussion of dramas by such writers as Goethe, Schiller, Kleist, Bchner, Grillparzer and Hebbel.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34200 - The German Novel

GER 3/A PD/D
Discussion of narrative works by such writers as Goethe, Keller, Fontane, T. Mann, Kafka, Döblin and Böll.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34300 - German Literature from Its Origins to the Age of Goethe

PD/D

GERMN 34400 - Readings in Classical Period of German Literature

GER 3/A PD/D
Discussion of selected works by Lessing, Goethe and Schiller.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34500 - Literature of Weimar Republic

GER 3/A PD/D
Discussion of literary works and documents influential in German life between 1918 and 1933.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 34600 - German Literature of the 1930s and 1940s

GER 3/A PD/D
Reading and discussion of literature written between the time of the Weimar Republic and 1945.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 34700 - German Literature 1945-1995

GER 3/A PD/D
Reading and discussion of German literature written between 1945 and 1995.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 34800 - East German Literature (1945-1990)

GER 3/A PD/D
Reading and discussion in German of literature written in East Germany during the existence of the German Democratic Republic as a sovereign state.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 35000 - Austrian Literature

GER 3/A PD/D
Discussion of literature and culture of the fin-de-siècle Vienna.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 35300 - Goethe's Faust

GER 3/A PD/D
Intensive study of Goethe's Faust, Parts I and II.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.
GERMN 35900 - German Literary Seminar

GER 3/A PD/D
Seminar study of significant theme in German literature, German author or literary movement or genre. May be repeated with a different topic.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

Advanced courses in language, level II:

GERMN 38100 - The German Press of Today: Reading and Understanding Newspapers and Magazines

GER 3/A
Reading and discussion of present-day German newspapers and magazines.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: two courses numbered GERMN 30000 or above or equiv. (excluding courses in English translation)
3 hrs 3 cr.

GERMN 38200 - Advanced Business German

GER 3/A
Cross-cultural study and practicing of German business culture and language while studying Germany as global economic player. Topics such as corporate structure, management strategies, international marketing and labor relations.

prereq or coreq: GERMN 31200 or perm. instr.
3 hrs 3 cr.

GERMN 38300 - German Grammar for Upper-Level Discourse

GER 3/A
Study of German grammar from basic to complex structures. Intensive practice in control of grammatical forms at high levels of spoken and written discourse.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: three courses above GERMN 30000 or equiv (excluding courses in English translation)
3 hrs 3 cr.

Special projects:

GERMN 44400 - Seminar Studies in German Literature and Language

GER 3/A PD/D
Seminar study of literary topic or linguistic phenomenon. May be repeated with a different topic.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 2000 or 20300 or equiv.
3 hrs 3 cr.

GERMN 49100 - Honors Project

Open to Jr/Sr only. Individual study and independent research in consultation with faculty member. Honors essay required.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: perm chair
3 cr.

GERMN 49200 - Independent Study in German

Number of credits to be determined in advance in consultation with faculty member on basis of work planned.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: perm chair
1-3 cr.

GERMN 49300 - Individual Studies Project in German Studies

Individual research on German-studies topic under direction of faculty member. Written report required.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: perm chair
3 cr.

GERMN 49800 - Internship

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: perm of chair
1-4 cr.

Additional Information

At least 12 credits must be earned by taking classes numbered between 32000 and 35900 or 44400.
At least three of these 12 credits must be from classes numbered between 34100 and 35900 or 44400.
Students should consult a department adviser to plan their course of studies in German. Students who begin German in college may count the following as major courses.

GERMN 20100 - Intermediate German I

Practice in comprehending and communicating in German at the intermediate level. Review of basic structures and study of advanced grammar topics.
prereq: GERMN 10200 or equiv.
3 hrs 3 cr.
GERMN 20200 - Intermediate German II

Grammar review and composition. Reading and discussion of selected literary texts.  
*prereq: GRMN 20100 or equiv.*  
3 hrs3 cr.

-or-

GERMN 20300 - Intensive Intermediate German

Covers material of GRMN 201 and 202 in one semester.  
*prereq: GRMN 10200, 10300 or equiv.*  
6 hrs6 cr.

Preparation for Teaching in Grades 7-12

In cooperation with the School of Education, the program in German provides opportunities for students to prepare for a career in teaching German in grades 7-12. Students preparing to teach German must complete a 33-credit major option (Option 2) for teaching that includes the 24-credit sequence (Option 1) taken by non-teaching majors plus 9 additional credits: GERMN 39900 and 6 additional credits in advanced GERMN language and literature courses in the German Department between GERMN 30100 and GERMN 44400 or GERMN 24000, GERMN 24100 or 300-level courses related to German studies offered in other departments (with prior approval by the chairperson of the German Department). Students interested in teaching German in New York schools will take the 23-credit pedagogical sequence for grades 7-12 Languages Other than English: Chinese, French, German, Hebrew, Italian, Russian, Spanish (BA) Additional Coursework and Student Teaching along with the major in German. This sequence may count toward the course requirements for New York State Certification but will not by itself be sufficient for certification. Students interested in a teaching career should consult with the School of Education. All students who want to pursue a teaching certificate in German must take an oral examination with the German Department. See the School of Education section of this catalog for further information.

Minor in German

The German minor consists of 12 credits in language and/or literature taught in German at the 300-level or above (GERMN 30100 - GERMN 35900, GERMN 38100 - GERMN 44400). Students who begin their study of German in college may count GERMN 20100 GERMN 20200 (or GERMN 20300) towards the minor and will need to take at least two courses at the 300-level.

*Prerequisites: 6 credits: GERMN 10100 and GERMN 10200, or equivalent*

Electives

All courses offered are open to all qualified students as electives. For placement, consult a departmental adviser or the department chair.

Honors, Tutorials

Consult the department chair for these special programs. In order to graduate with departmental honors the student has to write an honors essay in the following. Please check under “Academic Honors” for exact details. Students who qualify can be elected to the German Honor Society Sigma Epsilon Phi. Please consult the department for exact requirements.
GERMN 49100 - Honors Project

Open to Jr/Sr only. Individual study and independent research in consultation with faculty member. Honors essay required.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: perm chair

3 cr.

Study Abroad

The German Department sponsors a summer study abroad program in Kassel, Germany, for students at all levels.

Exchange Program with Pädagogische Hochschule Karlsruhe, Germany

The German Department has a semester-long or year-long exchange program with the Pädagogische Hochschule Karlsruhe[www.ph-karlsruhe.de/index.php]. The department will help students seek financial support. Please consult the department for details.

International Examinations

The German Department is a testing site for the “Goethe Zertifikate" B1, B2 and C1. These examinations are given world-wide by the Goethe Institute [www.goethe.de/lrn/prj/pba/bes/enindex.htm], the cultural arm of the German government.

Greek - BA

Return to Classical and Oriental Studies

24 credits of Greek above

GRK 10100 - Beginning Greek

GRK 101 not credited without GRK 102.

8 hrs8 cr.

offered fall

GRK 10200 - Beginning Greek

GRK 10100 not credited without GRK 10200.

8 hrs8 cr.

offered spring

GRK 10700 - Beginning Greek, Intensive

6 hrs6 cr.

offered summer
Courses in Greek Above Beginning Level

**GRK 11000 - Greek Reading**

*prereq: GRK 10200 or equiv.*  
3 hrs 3 cr.  
offered fall

**GRK 20200 - Plato**

*prereq: GRK 11000 or equiv.*  
3 hrs 3 cr.

**GRK 20300 - Homer**

*prereq: GRK 11000 or equiv.*  
3 hrs 3 cr.

**GRK 30100 - Plato II**

*prereq: GRK 20200 or equiv.*  
3 hrs 3 cr.

**GRK 30200 - Euripides**

*prereq: GRK 20200 or equiv.*  
3 hrs 3 cr.

**GRK 30300 - Greek Lyric Poetry**

*prereq: GRK 20200 or equiv.*  
3 hrs 3 cr.

**GRK 30400 - Aristophanes and Menander**

*prereq: GRK 20200 or equiv.*  
3 hrs 3 cr.

**GRK 30500 - Attic Orators**

*prereq: GRK 20200 or equiv.*  
3 hrs 3 cr.

**GRK 30700 - Sophocles**

*prereq: GRK 20200 or equiv.*  
3 hrs 3 cr.
GRK 30800 - Aeschylus

*prereq: GRK 20200 or equiv.*

3 hrs3 cr.

GRK 30900 - Herodotus

*prereq: GRK 202 or equiv.*

3 hrs3 cr.

GRK 31000 - Thucydides

*prereq: GRK 20200 or equiv.*

3 hrs3 cr.

GRK 31100 - Advanced Readings in Greek Literature

*prereq: GRK 20200 or equiv.*

3 hrs3 cr.

and a corequisite of

LAT 10100 - Beginning Latin

*LAT 10100 not credited without LAT 10200.*

8 hrs8 cr.

offered fall

LAT 10200 - Beginning Latin

8 hrs8 cr.

offered spring

Preparation for Teaching in Grades 7-12

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.

Honors and Tutorials

Departmental honors in classics and tutorials are open only to majors.

Classics: Minors

Classical Studies
A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.

**Classical Archaeology**

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.

**Greek**

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.

**Latin**

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

**Greek and Latin - BA**

Return to Classical and Oriental Studies

18-20 credits each of Greek and Latin

(may include 101-102)

**Preparation for Teaching in Grades 7-12**

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.

**Honors and Tutorials**

Departmental honors in classics and tutorials are open only to majors.

**Classics: Minors**

**Classical Studies**

A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.

**Classical Archaeology**

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.
Greek

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.

Latin

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

Courses in Greek and Latin

**GRK 10100 - Beginning Greek**

- \textit{GRK 101 not credited without GRK 102.}
- 8 hrs8 cr.
- offered fall

**GRK 10200 - Beginning Greek**

- \textit{GRK 10100 not credited without GRK 10200.}
- 8 hrs8 cr.
- offered spring

**GRK 10700 - Beginning Greek, Intensive**

- 6 hrs6 cr.
- offered summer

**GRK 11000 - Greek Reading**

- \textit{prereq: GRK 10200 or equiv.}
- 3 hrs3 cr.
- offered fall

**GRK 20200 - Plato**

- \textit{prereq: GRK 11000 or equiv.}
- 3 hrs3 cr.

**GRK 20300 - Homer**

- \textit{prereq: GRK 11000 or equiv.}
- 3 hrs3 cr.

**GRK 30100 - Plato II**

- \textit{prereq: GRK 20200 or equiv.}
- 3 hrs3 cr.
GRK 30200 - Euripides

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30300 - Greek Lyric Poetry

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30400 - Aristophanes and Menander

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30500 - Attic Orators

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30700 - Sophocles

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30800 - Aeschylus

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30900 - Herodotus

prereq: GRK 202 or equiv.
3 hrs3 cr.

GRK 31000 - Thucydides

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 31100 - Advanced Readings in Greek Literature

prereq: GRK 20200 or equiv.
3 hrs3 cr.

LAT 10100 - Beginning Latin
LAT 10100 not credited without LAT 10200.
8 hrs 8 cr.
offered fall

**LAT 10200 - Beginning Latin**

8 hrs 8 cr.
offered fall

**LAT 10700 - Beginning Latin, Intensive**

6 hrs 6 cr.
offered summer

**LAT 11000 - Latin Reading**

*prereq: LAT 10200 or equiv.*
3 hrs 3 cr.
offered fall

**LAT 20100 - Ovid's Metamorphoses**

*prereq: LAT 11000 or equiv.*
3 hrs 3 cr.

**LAT 20200 - Roman Biography**

*prereq: LAT 11000 or equiv.*
3 hrs 3 cr.

**LAT 20300 - Vergil's Aeneid**

*prereq: LAT 11000 or equiv.*
3 hrs 3 cr.

**LAT 20400 - Cicero's De Senectute**

*prereq: LAT 11000 or equiv.*
3 hrs 3 cr.

**LAT 22000 - Medieval Latin**

*prereq: LAT 11000 or equiv.*
3 hrs 3 cr.
offered summer

**LAT 30200 - Roman Letter**
LAT 30300 - Roman Comedy
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30400 - Roman Satire
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30500 - Vergil's Eclogues and Georgics
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30600 - Cicero
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30700 - Lucretius' De Rerum Natura
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30800 - Roman Epic
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30900 - Lyric Poetry of the Golden Age
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31000 - The Roman Novel
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31100 - Elegiac Poets
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31200 - Livy
prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31300 - Caesar

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31400 - Tacitus

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31500 - Anthology of Latin Verse

prereq: LAT 20100 or equiv.
1 hr 1 cr.

LAT 31600 - Advanced Readings in Latin Literature

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

Hebrew - BA

Return to: Classical and Oriental Studies

Placement and Exemption Students with background in the language should consult the head of the Hebrew Division for proper placement or for language exemption.

Majors

The major consists of 24 credits from courses beyond HEBR 101-102. In general, a Hebrew major is required to achieve proficiency in Biblical and/or modern Hebrew literature by successfully completing a minimum of four courses at the 300 level in Hebrew. Courses in Hebraic studies conducted in English may be applied toward partial fulfillment of the Hebrew major provided they are part of a coherent program approved by the head of the division.

Qualified students interested in a more intensive program in the field of Hebraic or Judaic studies, particularly those preparing for graduate work in such specialized areas as Semitic languages and civilizations, Jewish history, Biblical studies and archaeology, medieval or modern Hebrew literature, Near Eastern studies or religious studies, should consult a division adviser regarding additional courses and supportive studies in related fields.

Preparation for Teaching in Grades 7-12

In cooperation with the School of Education, the Program in Hebrew provides opportunities for students to prepare for a career in teaching Hebrew in grades 7-12. Students preparing to teach Hebrew must complete a 33-credit major option for teaching that includes the 24-credit sequence taken by non-teaching majors, HEBR 39900, and 6 additional credits in Hebrew language and literature at the 300 or 400 level. Students interested in teaching Hebrew in New York schools should take the 23-credit pedagogical sequence for grades 7-12. This sequence may count toward the course
requirements for New York State Certification, but will not by itself be sufficient for certification. Students interested in a teaching career should consult with the School of Education.

Minor

Two minors are offered, one in Hebrew, the other in Hebraic Studies.

Hebrew Minor

The Hebrew minor requires the successful completion of 12 credits at the 200-level or above. Courses counted toward the Hebrew minor must be either language courses or have Hebrew as their language of instruction.

Hebraic Studies Minor

The Hebraic Studies minor requires the successful completion of four HEBR literature and/or culture courses on the 200-level or above, taught in English or in Hebrew. Two Hebrew language courses other than Elementary and Intermediate Hebrew—e.g., Biblical Hebrew, Advanced Hebrew—may be used toward the minor requirement in lieu of two literature or culture courses.

Honors

Opportunity for honors work is available through HEBR 49100 - Honors Project.

Courses in Hebrew

HEBR 10100 - Elementary Hebrew I

Fundamentals of reading, pronunciation and grammar for beginners. Practice in conversation and writing. HEBR 101 not credited without HEBR 102.
3 hrs3 cr.

HEBR 10200 - Elementary Hebrew II

Continuation of HEBR 10100. 
prereq: HEBR 10100 or equiv.
3 hrs3 cr.

HEBR 10300 - Intensive Elementary Hebrew

Intensive practice in basic skills of Hebrew. Course covers in one semester the material covered in the two semesters of HEBR 10100 and 10200.
6 hrs6 cr.

HEBR 10500 - Elementary Biblical Hebrew I

The first in a series of four introductory courses in the Hebrew of the Bible. No prior knowledge of Hebrew required. 
Not credited without HEBR 106
3 hours3 credits
HEBR 10600 - Elementary Biblical Hebrew II
The second in a series of 4 introductory courses in Biblical Hebrew.
prereq: HEBR 105 or equivalent.
3 hours 3 credits

HEBR 20100 - Intermediate Hebrew I
Continued practice in conversational Hebrew, grammar and composition.
prereq: HEBR 10200 or equiv.
3 hrs 3 cr.

HEBR 20200 - Intermediate Hebrew II
Intensive practice in conversation, composition and grammar. Selected readings in Hebrew literature.
prereq: HEBR 20100 or equiv.
3 hrs 3 cr.

HEBR 20500 - Intermediate Biblical Hebrew I
This is the 3rd semester of a 4-semester series of Biblical Hebrew courses.
prereq: Biblical Hebrew 10600 or equivalent.
3 hours 3 credits

HEBR 20600 - Intermediate Biblical Hebrew II
This is the 4th semester of the 4-semester Biblical Hebrew series.
prereq: HEBR 20500 or equivalent.
3 hours 3 credits

HEBR 21000 - Selected Studies in Hebrew Literature in Translation
PD/C
Study of selected masterpieces or major themes in Hebrew literature in translation. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement; check with department.
3 hrs 3 cr.

HEBR 21100 - Masterpieces of Medieval Hebraic Literature in Translation (W)
GER 2/C PD/D
Selections from major works reflecting Jewish life and thought in medieval Islamic world and Christendom.
3 hrs 3 cr.

HEBR 21200 - Readings in Modern Hebrew Literature in Translation (W)
GER 2/C
Survey of Hebraic literature from Enlightenment movement to present.
3 hrs 3 cr
HEBR 21400 - Maimonides' Guide to the Perplexed

GER 3/A PD/D
Study of this work in English with reference to Maimonides' influence on development of medieval Aristotelianism.
3 hrs3 cr

HEBR 21500 - Hebraic and Judaic Culture and Thought in the Medieval Islamic World (W)

GER 3/A PD/D
A study of medieval Hebraic and Judaic writings from North Africa and the Middle East in English translation. Emphasis will be given to the traditional as well as the innovative aspects of the material.
prereq: ENGL 12000
3 hrs3 cr

HEBR 21800 - Masterpieces of Yiddish Literature in Translation (W)

GER 3/A PD/D
Study of major works in Yiddish literature from Mendele Mocher Seforim to present.
prereq: ENGL 22000
3 hrs3 cr

HEBR 22000 - Israeli Cinema

GER 3/A PD/A
Israeli cinema and the development of Israeli cultural identity. Designed for students of Hebrew studies and Film studies who are interested in the history of Israeli film and Israeli cultural identity as expressed in the Israeli cinema.

cross-listed cross-listed with FILM 21344
prereq: ENGL 12000
3 hrs3 cr

HEBR 24000 - Introduction to the Old Testament

GER 2/C PD/A
Survey of the books of the Old Testament, their form, content and cultural background. Introduction to the tools and methods of modern biblical criticism.
3 hrs3 cr

HEBR 25000 - Topics in Hebraic Studies

PD/C
Study in depth of a selected topic in Hebraic studies. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement; check with department.
3 hrs3 cr

HEBR 25900 - Old Testament Religion
Comprehensive survey of ancient Israelite religious practice, expression and thought as reflected in Hebrew Bible.
3 hrs
3 cr

HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)

GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.
3 hrs
3 cr

HEBR 28400 - Images of Women in the Old Testament, in Translation

GER 3/A PD/C
Depiction of women in ancient Israelite prose and poetry. Close reading and analysis of texts in terms of literary techniques, cultural background and ideological implications.
3 hrs
3 cr

HEBR 28600 - Ancient Near Eastern Literature and the Bible

GER 3/A PD/A
Comparative study of ancient Near Eastern literature and the Hebrew Bible.
3 hrs
3 cr

HEBR 28800 - Ancient Hebraic Folklore

GER 2/C PD/A
Analysis and comparative study of folk beliefs, practices and literature reflected in Hebrew Bible, apocryphal literature and rabbinic Aggada.
3 hrs
3 cr

HEBR 29000 - Biblical Archaeology

GER 2/C PD/A
Study of Biblical sources in translation in relation to major archaeological discoveries in Israel and Near East.
3 hrs
3 cr

HEBR 29200 - The Hebrew Prophets

GER 2/C PD/A
Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical and religious thought.
3 hrs
3 cr

HEBR 29400 - Job, Ecclesiastes and the Human Predicament

GER 3/A PD/A
Study of form, content and religious significance of these two enigmatic masterworks.
3 hrs
3 cr

HEBR 29500 - Ancient Hebrew Law
GER 2/C PD/A
Historical and comparative study of Biblical and rabinic law.
3 hrs 3 cr

HEBR 29600 - The Dead Sea Scrolls in English

GER 3/A PD/A
Readings in the various genres of the scrolls; historical background of Qumran sect; significance of the scrolls for study of Judaism and Christianity.
3 hrs 3 cr

HEBR 31000 - Modern Hebrew Literature I

GER 3/A PD/D
Reading and discussion of selected works in prose and poetry of 19th-century authors.
prereq: HEBR 20200 or equiv. or exemption
3 hrs 3 cr

HEBR 31100 - Modern Hebrew Literature II

GER 3/A
Reading and discussion of selected works in prose and poetry of 20th-century authors.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr.

HEBR 31500 - Biblical Literature: Pentateuch

GER 3/A PD/A
Selections from Pentateuch.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr.

HEBR 31600 - Biblical Literature: Historical Books

GER 3/A PD/A
Selections from books of Joshua, Judges, Samuel and Kings.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr.

HEBR 31700 - Biblical Literature: Prophetic Books

GER 3/A PD/A
Selections from minor and major prophets.
prereq: HEBR 202 or equiv.
3 hrs 3 cr

HEBR 31800 - Biblical Literature: Hagiographa

GER 3/A PD/A
Selections from Job, Proverbs, Psalms and the five Magillot.
HEBR 32000 - The Modern Hebrew Short Story

GER 3/A
Extensive reading of short stories from late 19th century to present, illustrating different literary trends.
prereq: HEBR 20200 or equiv.
3 hrs3 cr

HEBR 32100 - Talmudic Literature

GER 3/A PD/A
Selections from Talmud and Midrash.
prereq: HEBR 20200 or equiv.
3 hrs3 cr

HEBR 32200 - Medieval Literature

GER 3/A PD/D
Selections from literature of Golden Age in Spain.
prereq: HEBR 20200 or equiv.
3 hrs3 cr

HEBR 32300 - Poetry of the Modern Hebrew Renaissance Period

GER 3/A PD/D
Study of major works of Bialik, Tscherinchovsky, Kahan and Shneour.
prereq: HEBR 20200 or equiv.
3 hrs3 cr

HEBR 32400 - The Modern Hebrew Essay

GER 3/A PD/D
Study of selected essays of Ahad ha'Am, Berditchevsky and Frischman.
prereq: HEBR 20200 or equiv.
3 hrs3 cr

HEBR 32500 - History of Modern Hebrew Literature

GER 3/A
Evolution of Hebrew literature from period of Enlightenment to contemporary Hebrew letters.
prereq: HEBR 20200 or equiv.
3 hrs3 cr

HEBR 32600 - Hebrew Poetry Between the Two World Wars

GER 3/A
Study of Hebrew poetry since World War I. Emphasis on works of Greenberg, Schlonsky, Lamdan and Alterman.
HEBR 32700 - The Modern Hebrew Novel

GER 3/A
Intensive study of a major novel by Agnon, Barash or Hazaz, with collateral readings in other Hebrew novels.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32800 - Contemporary Hebrew Prose

GER 3/A
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 33100 - Medieval Hebrew Philosophic Texts

GER 3/A
Study of selected chapters of Halevi's Kuzari and Maimonide' Moreh Nebukim (Guide to the Perplexed).
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 35100 - Hebrew Grammar and Composition

Intensive study of principles of vocalization, inflections of nouns and verbs, rules of syntax and practice in composition.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 35700 - Approaches to Main Problems in Hebraic Studies

Explorations in depth of a particular area in Hebraic studies. May be repeated as topics vary from semester to semester.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 39900 - Second Language Acquisition

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.
prereq: at least three courses at the 300 level in the language, ENGL 12000
3 hrs 3 cr

HEBR 45100 - Selected Studies in Hebrew Literature

PD/D
Course will concentrate on an author, theme, genre or period in Hebrew literature. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement.
prereq: HEBR 20200 or equiv, perm division

3 hrs 3 cr

HEBR 49000 - Independent Studies

Independent research under direction of a member of the division. May be repeated as topics vary from semester to semester.
prereq: permission of division head
hrs TBA 3 cr

HEBR 49100 - Honors Project

Individual study and research in Hebrew literature in consultation with staff member. Honors essay required. May be repeated as topics vary from semester to semester.
prereq: Jr/Sr only; perm division
1 sem 3 cr.

History - BA

students must take HIST 15100 and HIST 15200

Major

The history major consists of 30 credits as follows:

a. A maximum of 9 credits may be taken in basic 100-level courses.

b. At least 18 credits are required above the 100 level; 6 credits must be in 200-level courses and 12 credits must be in 300-level courses.

c. Majors must take History 300 (Historical Research) twice in conjunction with 300-level courses or, in rare instances and with department permission, in conjunction with a 200-level course.

Within the courses taken to fulfill the major requirement, students must take a minimum of 6 credits in each of the following areas:

1. United States history
2. European history
3. World/non-Western history/Latin American history

Students may not use courses graded on the basis of Credit/No Credit toward fulfillment of the major.
History majors are strongly encouraged to take at least 3 credits in an advanced seminar or problems course

HIST 38200 - Historical Studies Seminar

GER 3/B
Topics vary each term.
Courses at the 300-level and above not offered to freshmen.
prereq: GPA 2.8; history GPA 3.5
3 hrs3 cr.

HIST 38300 - Problems in U.S. History (W)

GER 3/B
Intensive reading and research in selected topics.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 38400 - Problems in European History (W)

GER 3/B
Intensive reading and research in selected topics.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 38500W - Problems in Non-Western History

GER 3/B
Intensive reading and research in selected topics.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 40000 - Historiography

GER 3/B
The origins of history writing and the modern historical profession; modes of historical research; the evaluation of historical evidence; the historical and social uses of history. Recommended for all history majors. Required of students who wish to graduate with honors in history.
Courses at the 300-level and above not offered to freshmen.
prereq: not open to students who have completed fewer than 80 credits
3 hrs3 cr.

HIST 48300 - Problems in U.S. History (Honors) (W)

GER 3/B
Courses at the 300-level and above not offered to freshmen.
prereq: perm chairprereq or coreq: ENGL 12000
3 hrs3 cr.
HIST 48400 - Problems in European History (Honors) (W)

GER 3/B
Courses at the 300-level and above not offered to freshmen.
prereq: perm chair
3 hrs 3 cr.

HIST 48500 - Problems in Non-Western History (Honors) (W)

GER 3/B
Courses at the 300-level and above not offered to freshmen.
prereq: perm chair
3 hrs 3 cr.

Minor

A history minor consists of 12 credits taken for letter grades (C or better); Credit/No Credit cannot be counted toward the minor. Courses must be distributed in at least two geographic fields (currently defined as U.S., Europe, and World/non-Western/Latin America). A minimum of six credits must be in courses at the 300-level or higher. Internships (HIST 49800) do not count toward completion of the minor, although students completing the minor may elect to include an internship as an additional course. HIST 30000 and Tutorials (HIST 49300) are available only to History Majors and, thus, do not count toward the minor. At least six credits must be taken in the History Department at Hunter College. Courses taken in other disciplines will not count toward the minor unless cross-listed and taken under the appropriate HIST course prefix. Transfer courses must be approved by the History Undergraduate Advisor.

Preparation for Teaching

Childhood Education (grades 1-6)

In cooperation with the School of Education, the Department of History provides opportunities for history majors to prepare for a career in childhood education. Students complete the 30-credit History major with the childhood education sequence as a collateral major.

Adolescent Education

Students who wish to prepare for a career in teaching social studies in grades 7-12 may take a 33-credit history major with an additional 9 credits of prerequisites. History for Adolescent Education (Social Studies) In addition, students take the 23-credit adolescent education sequence.

Honors in History

Students will be eligible for honors in history upon completion of 30 credits in history with a 3.5 GPA and a 2.8 cumulative GPA at the time of graduation. To be eligible to graduate with honors in history, students can take Historiography or 3 to 6 credits in seminar, tutorial or problems courses or graduate courses with special permission, with a grade of B or better. Eligible students should apply for honors at the time they file for graduation. Applications are available from the department.
HIST 40000 - Historiography

GER 3/B
The origins of history writing and the modern historical profession; modes of historical research; the evaluation of historical evidence; the historical and social uses of history. Recommended for all history majors. Required of students who wish to graduate with honors in history.

Courses at the 300-level and above not offered to freshmen.
prereq: not open to students who have completed fewer than 80 credits
3 hrs3 cr.

HIST 48300 - Problems in U.S. History (Honors) (W)

GER 3/B

Courses at the 300-level and above not offered to freshmen.
prereq: perm chair or coreq: ENGL 12000
3 hrs3 cr.

HIST 48400 - Problems in European History (Honors) (W)

GER 3/B

Courses at the 300-level and above not offered to freshmen.
prereq: perm chair
3 hrs3 cr.

HIST 48500 - Problems in Non-Western History (Honors) (W)

GER 3/B

Courses at the 300-level and above not offered to freshmen.
prereq: perm chair
3 hrs3 cr.

HIST 49300 - Individual Tutorial Research Project

GER 3/B
Research paper under individual supervision of faculty member.

Courses at the 300-level and above not offered to freshmen.
prereq: perm chair and instr.
3 hrs3 cr.

Graduate Study

Qualified students in their junior and senior years may be admitted to graduate courses with the approval of the department chair.

History for Adolescent Education (Social Studies)

Prerequisites (9 credits)
HIST 15100 - The United States from the Colonial Era to the Civil War (W)

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 15200 - The United States from the Civil War Era to the Present (W)

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

GEOG 10100 - People and Their Environment

GER 2/B
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. Contemporary economic, political and social patterns and problems are discussed.

3 hrs 3 cr.
offered fall and spring.

Major (33 credits)

Geography (6 credits)

GEOG 25100 - Geography of the United States and Canada

GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges
prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs 3 cr.

One course selected from the following
GEOG 27000 - Regional Geography of Mexico, Central America and the Caribbean

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Mexico, Central America and West Indies.
3 hrs3 cr.

GEOG 27100 - Regional Geography of South America

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of South America.
3 hrs3 cr.

GEOG 27200 - Regional Geography of Europe

GER 3/B PD/D
Analysis of relationship of natural environment to economic, social and political life of modern Europe.
3 hrs3 credits

GEOG 27400 - Regional Geography of the Middle East and North Africa

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Middle East and North Africa.
3 hrs3 cr.

GEOG 27500 - Regional Geography of Sub-Saharan Africa

GER 3/B PD/A
Analysis of the relationship of natural environment to economic, social and political life of Africa south of Sahara.
3 hrs3 cr.

GEOG 27700 - Regional Geography of East Asia

GER 3/B PD/A
Analysis of East Asia's potentials in terms of natural resources, population, industry and agriculture, with emphasis on China.
3 hrs3 cr.

GEOG 278000 - Regional Geography of Russia and Central Asia

GER 3/B PD/A or D
Analysis of the relationship of the natural environment to economic, social and political life of Russia, the former Soviet republics of Central Asia and Mongolia.
3 hrs3 cr.

GEOG 32800 - Urban Environmental Problems: Evaluations and Solutions

GER 3/B
Open to Jr/Sr only. The special environmental problems of urban and metropolitan areas will be studied, including water supplies, waste management, environmental impact and waterfront use. Natural physical processes,
methodologies and techniques will be reviewed and applied to decision making. Transportation fee for field work may be required.

*prereq: GEOG 101 or GEOG 150 or URBS 101 and Jr/Sr standing
3 hrs 3 cr.*

**GEOG 34100 - Urban Geography**

GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.

*prereq: GEOG 101 or GEOG 150 or perm instr, Jr/Sr only
3 hrs 3 cr.*

**Political Science & Economics (6 credits)**

**ECO 10000 - Introduction to Economics**

GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics.

*Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.
3 hrs 3 cr.*

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

*prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.*

**History (21 credits)**

A maximum of 6 credits in history courses at the 100-level and a minimum of 9 credits in history courses at the 300-level or above. Courses taken to satisfy the prerequisite requirement do not count.

**World/Non-US History (12 credits)**

including a least three credits in each of the following categories (courses may be used to count toward only one category; described category must comprise 50% or more of course content for course to qualify):

1) Pre-1800
2) non-Europe
3) Europe

**US History (6 credits)**

all above the 100-level
Keystone Course in History (3 credits)

SWIM or SYNC: History Practicum or any dedicated seminar or Honors course at the 400 level approved by the Undergraduate Advisor and/or the Department Chair, as involving significant writing in the major (“SWIM”) or graduate-level history course (700-level) available with permission to graduating seniors (Senior Year Non-Traditional Course; “SYNC”)

History: Major with Minor in International Affairs - BA

Adviser: Michael Luther

Major

The major consists of 18 credits in history:

**HIST 32900 - History of European Diplomacy**

GER 3/B PD/D
From the Congress of Vienna and national unification movements through the era of total wars and cold war.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 36100 - Rise of America as a World Power**

GER 3/B PD/D
Impact of world leadership on basic principles of American foreign policy since 1898.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

plus 9 credits selected from

**HIST 27700 - East Asia to 1600**

GER 2/B PD/A
Survey of traditional cultures and sociopolitical structures of China, Japan, Korea and Vietnam to about 1600 AD.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 27800 - East Asia, 1600 to the Present**

GER 2/B PD/A
Coming of West to Asia and resulting processes of revolution and modernization after 1600 AD.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 28800 - History of Africa to the 19th Century**
GER 2/B PD/A
Survey of pre-colonial African societies with emphasis on economic and social institutions changing under the impact of the environment.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 28900 - Africa in the 19th and 20th Centuries
GER 2/B PD/A
Historical explanation of independent Africa rising after colonialism and adjusting to modernization.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 32700 - Europe since 1914
GER 3/B
Europe in a century of total wars and cold war: the military, political, social, economic and intellectual scene.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 34600 - British Empire and Commonwealth
GER 3/B
The rise and fall of the British imperial system and its transformation into a Commonwealth of nations.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 37500 - Late Imperial Russia and the Soviet Union
GER 3/B PD/D
Political, socioeconomic and cultural development of late 19th and 20th century Russian and Soviet society.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 37700 - Ancient and Imperial China to 1800
GER 3/B
China's traditions and transformation from Neolithic times to the late-imperial period, emphasizing state/society relations and the development of the centralized bureaucratic political system; covers political, economic, religious and social developments.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 37800 - China Since 1800
GER 3/B
Internal and external challenges to China's traditional order; the collapse of the imperial system and the establishment of a republic; the warlord period; the war against Japan; the civil war between Communist and Nationalist forces; China since the rise of the Communist Party to state power in 1949.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.
HIST 39000 - History of Modern West Africa

GER 3/B
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.
- Seminars, problems courses and tutorial if appropriate

Minor

The minor consists of 18 credits including

ECO 34000 - International Trade

GER 3/B
Theories of international trade and international trade policies.
*prereq: ECO 20000*
3 hrs 3 cr.

POLSC 37500 - International Law (W)

GER 3/B
Case studies on nature, sources, practices and efficacy of international law, principles and rules.
*prereq: ENGL 12000 or its equivalent*
3 hrs 3 cr.

POLSC 27800 - International Organizations (W)

GER 3/B
Powers, functions and effectiveness of international institutions; emphasis on United Nations and regional organizations.
*prereq: ENGL 12000 or its equivalent*
3 hrs 3 cr.

GEOG 22100 - Economic Geography

GER 2/B
An introduction to the sub-discipline of economic geography, which will include an exploration of the history of both economics and geography, and a rigorous global approach to the subjects. Students will come to understand the history of the development of economic thought, leading up to, and transformed, by today’s crisis, as well as the particularly geographical nature of economic phenomena and processes, and the immense contributions geographers have made to the understanding of economics. Course focus is on the dominant form of global economic activity today, which is capitalistic, and the way this economic structure plays out through different geographies at different historical moments in time.
*Not open to freshmen*
*prereq: GEOG 10100 or perm instr.*
3 hrs 3 cr.
*Offered fall and spring*

GEOG 33400 - Political Geography
GER 3/B
Political geography concerns the nature and consequences of human efforts to divide and control Earth. Major topics to be covered by this course include the origin and evolution of countries and their constituent political units; the defining and drawing of political boundaries; territorial conflicts and disputes; the impact of boundaries on personal and cultural identity; centripetal and centrifugal forces that encourage the success or failure of political units; jurisprudence, crime and punishment; electoral geography; war, piracy and terrorism; ownership of ocean floors and outer space; the environmental impacts of political power (zoning, incorporation, height restrictions, land tenure); and symbols of power in the landscape. Lectures and assignments will stress the relevancy of political geography to issues that affect our everyday life.

prereq: GEOG 10100 or GEOG 15000 or perm instr
3 hrs 3 cr.

• plus 6 additional credits chosen from cultural anthropology, economics, energy and environmental studies, geography, political science, sociology, religion or other appropriate areas chosen with the approval of the adviser

Italian - BA

Major

The Italian major provides two concentrations:

a. Italian Literature (30 cr)

b. Italian Language and Civilization (30 cr.)

Preparation for Teaching French, Spanish or Italian Adolescent Education (grades 7-12)

Students pursuing adolescent education must complete the 30 or 36 credit major in one of these languages and, in addition, complete the course in second language acquisition (3 cr). The 23-credit pedagogical sequence in adolescent education will serve as the minor. See the School of Education section of the catalog for further information.

Minor in Italian (12 cr)

Prerequisite for the minor

ITAL 20200 - Intermediate Italian II

Language lab mandatory.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ITAL 201 or three yrs high school Italian
3 hrs 3 cr.

-or-

ITAL 22100 - Italian for Oral Communication

A highly interactive course developing oral communication skills in Italian; includes practice in the written language and the study of culture.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 20200 or perm dept.

or placement test

The minor of 12 credits utilizes four existing courses, all taught in Italian.

ITAL 31100 - Advanced Italian Grammar

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 20200 or equiv.

3 hrs 3 cr.

ITAL 31200 - Advanced Italian Composition

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 31100 or equiv.

3 hrs 3 cr.

ITAL 32100 - Italian Translation

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ITAL 311 or equiv.

3 hrs 3 cr.

ITAL 33100 - Italian Phonetics and Diction

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ITAL 202 or equiv.

3 hrs 3 cr.

Honors

Students qualified to graduate with departmental honors must take an honors course or equivalent approved by the departmental advisers. Departmental honors will be conferred upon a recommendation from the appropriate departmental committee. Candidates must present a paper of at least 7,000 typewritten words in the language of specialization. Consult the department for further information.

Graduate Study

Qualified seniors with a minimum GPA of 3.5 in their discipline may be admitted to graduate level courses. Permission must be secured from the chair and then forwarded to the dean. Consult the graduate catalog for requirements and regulations.
Study Abroad

All study abroad programs are open to students from Hunter College and other accredited institutions. Majors and minors in the Department of Romance Languages are strongly encouraged to participate in study abroad programs (see adviser for GPA requirements).

Qualified students can apply for financial aid and STOCS grants.

Hunter in Italy: Summer Program in Pescara, June-July, at the University of Pescara; Italian Language courses and Italian literature and culture courses taught in English.

Winter Program Hunter in Florence, held during January intersession, offers courses and Italian Culture and Literature taught in English.

**Italian Language and Civilization (30 cr.)**

Return to: Italian - BA

A concentration on Italian language with an emphasis on oral and written communication.

15 credits from among

**ITAL 22100 - Italian for Oral Communication**

A highly interactive course developing oral communication skills in Italian; includes practice in the written language and the study of culture.

*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*

*prereq: ITAL 20200 or perm dept.*

3 hrs 3 cr.

**ITAL 31100 - Advanced Italian Grammar**

*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*

*prereq: ITAL 20200 or equiv.*

3 hrs 3 cr.

**ITAL 31200 - Advanced Italian Composition**

*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*

*prereq: ITAL 31100 or equiv.*

3 hrs 3 cr.

**ITAL 32100 - Italian Translation**
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

**Prereq:** ITAL 311 or equiv.

3 hrs 3 cr.

**ITAL 33100 - Italian Phonetics and Diction**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

**Prereq:** ITAL 202 or equiv.

3 hrs 3 cr.

**ITAL 36500 - The 20th Century: Special Topics**

**GER 3/A**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

**Prereq or Coreq:** ITAL 34200

3 hrs 3 cr.

15 credits from Group A (offered in English) and Group B (offered in Italian) with no more than 9 credits from Group A.

**Group A:**

**ITAL 26000 - Modern Italian Short Story (W)**

**GER 2/C PD/D**

In English. Study of the main literary trends in short story form, including Naturalism, Neorealism, Existentialism and Surrealism.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

**Prereq:** ENGL 120 or equiv.

3 hrs 3 cr.

**ITAL 27500 - Masterpieces of Italian Literature**

In English. Selections from Dante to Leopardi. Strongly recommended before taking any 300-level course.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

**Prereq:** ENGL 12000

3 hrs 3 cr.

**ITAL 27600 - Dante's Divine Comedy in English (W)**

**GER 3/A PD/D**

Introduction to Dante's Divine Comedy, with particular emphasis on the Inferno.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs 3 cr.

ITAL 28000 - The Italian Renaissance: An Introduction

GER 2/C PD/D
In English. An introduction to the literature of the Italian Renaissance and the major humanist figures in art, politics, philosophy and science.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs 3 cr.

ITAL 33400 - Italian Civilization in the Baroque, in English

GER 2/C PD/D
An introduction to the main artistic, philosophical, scientific and literary achievements in Italy in the 17th century.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 22000 or AFPL 23500, 23600 or 23700 or any courses in literature in translation
3 hrs 3 cr.

ITAL 33500 - Italian Culture I

GER 2C
In English. Main intellectual-artistic currents from the 12th to 15th century.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs 3 cr.

ITAL 33600 - Italian Culture II

GER 2C
In English. Main intellectual-artistic currents from the 16th to 20th century.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 120
3 hrs 3 cr.

ITAL 33700 - Italian Women Writers from the Middle Ages to the 18th Century, in English

GER 2C PD/C
Study of such writers of prose and poetry as St. Catherine of Siena, La Compiuta Donzella, Veronica Gambara, Gaspara Stampa, Vittoria Colonna, Diodada Saluzzo.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs 3 cr.
ITAL 33800 - 19th and 20th Century Italian Women Writers, in English

GER 3/A PD/C
Study of such representative writers as Sibilla Aleramo, Elsa Morante, Natalia Ginzburg, Dacia Maraini, Margherita Guidacci, Maria Luisa Spaziani.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs3 cr.

Group B:

ITAL 34100 - Introduction to Italian Literature from the Middle Ages to the 16th Century

GER 3/A
Selections from Dante to Ariosto.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 20200
3 hrs3 cr.

ITAL 34200 - Introduction to Italian Literature from the 16th Century to the Present

GER 3/A PD/D
Selections from Tasso to contemporary writers.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 20200
3 hrs3 cr.

ITAL 34300 - Dante's Vita Nuova and Inferno

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs3 cr.

ITAL 34400 - Dante's Purgatorio and Introduction to Paradiso

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34300
3 hrs3 cr.

ITAL 34500 - Dante's Paradiso and Major Prose Works
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

**ITAL 34600 - Petrarch, Boccaccio and the Literature of Humanism**

GER 3/A PD/D
Il Canzoniere and Il Decameron.

**ITAL 34700 - 16th Century Italian Literature**

GER 3/A PD/D
Study of such authors as Ariosto, Castiglione, Guicciardini and Machiavelli.

**ITAL 34800 - 17th and 18th Century Literature**

GER 3/A PD/D
Study of such authors as Tasso, Goldoni and Alfieri.

**ITAL 35000 - The Modern Italian Novel**

GER 3/A PD/D
Novel from Manzoni to present.

**ITAL 35100 - The Modern Italian Theatre**

GER 3/A
Plays of Goldoni, Manzoni, Alfieri, d'Annunzio, Pirandello, Betti and contemporaries.
ITAL 36000 - The Middle Ages: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 36100 - The Renaissance: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 36200 - The 17th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 36300 - The 18th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 36400 - The 19th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 37000 - Italian Literature: Special Topics

GER 3/A
Topics to be offered may include individual authors, themes, genres, movements, or approaches.
prereq or coreq: ITAL 34100 or 34200 (depending on topic)
3 hrs 3 cr.

ITAL 37500 - Seminar in Italian Literary History
Strongly recommended for all Italian majors. Readings, discussion and reports.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 34100, 34200
3 hrs 3 cr.

**ITAL 49500 - Independent Study in Italian Literature**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: perm dept. adviser
1-3 cr.

**Italian Literature (30 cr)**

Return to: Italian - BA

A concentration on Italian literature with an emphasis on the study of literary history and texts. The majority of the courses are offered in Italian.

3 credits from

**ITAL 31100 - Advanced Italian Grammar**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 20200 or equiv.
3 hrs 3 cr.

**ITAL 31200 - Advanced Italian Composition**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 31100 or equiv.
3 hrs 3 cr.

**ITAL 33100 - Italian Phonetics and Diction**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ITAL 202 or equiv.
3 hrs 3 cr.

9 credits from

**ITAL 34100 - Introduction to Italian Literature from the Middle Ages to the 16th Century**
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

ITAL 34200 - Introduction to Italian Literature from the 16th Century to the Present

GER 3/A PD/D
Selections from Tasso to contemporary writers.
3 hrs 3 cr.

ITAL 34300 - Dante's Vita Nuova and Inferno

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

3 credits from

ITAL 34400 - Dante's Purgatorio and Introduction to Paradiso

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34300
3 hrs 3 cr.
-or-

ITAL 34500 - Dante’s Paradiso and Major Prose Works

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34300
3 hrs 3 cr.

15 credits chosen from

ITAL 34600 - Petrarch, Boccaccio and the Literature of Humanism

GER 3/A PD/D
Il Canzoniere and Il Decamerone. 
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200)
ITAL 34700 - 16th Century Italian Literature

GER 3/A PD/D
Study of such authors as Ariosto, Castiglione, Guicciardini and Machiavelli.

ITAL 34800 - 17th and 18th Century Literature

GER 3/A PD/D
Study of such authors as Tasso, Goldoni and Alfieri.

ITAL 34900 - The Modern Italian Lyric

GER 3/A PD/D
From Leopardi to contemporaries.

ITAL 35000 - The Modern Italian Novel

GER 3/A PD/D
Novel from Manzoni to present.

ITAL 35100 - The Modern Italian Theatre

GER 3/A
Plays of Goldoni, Manzoni, Alfieri, d'Annunzio, Pirandello, Betti and contemporaries.

ITAL 36000 - The Middle Ages: Special Topics
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

**ITAL 36100 - The Renaissance: Special Topics**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34100
3 hrs 3 cr.

**ITAL 36200 - The 17th Century: Special Topics**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34200
3 hrs 3 cr.

**ITAL 36300 - The 18th Century: Special Topics**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34200
3 hrs 3 cr.

**ITAL 36400 - The 19th Century: Special Topics**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34200
3 hrs 3 cr.

**ITAL 36500 - The 20th Century: Special Topics**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34200
3 hrs 3 cr.

**ITAL 37000 - Italian Literature: Special Topics**

Topics to be offered may include individual authors, themes, genres, movements, or approaches.
and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100 or 34200 (depending on topic)
3 hrs 3 cr.

ITAL 37500 - Seminar in Italian Literary History

Strongly recommended for all Italian majors. Readings, discussion and reports.

ITAL 37500 - Seminar in Italian Literary History

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34100, 34200
3 hrs 3 cr.

ITAL 49500 - Independent Study in Italian Literature

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: perm dept. adviser
1-3 cr.

Students planning to teach in grades 7-12 must also complete 3 credits in Second Language Acquisition:

ITAL 39900 - Second Language Acquisition

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: at least three courses at the 300 level in the language; ENGL 12000
3 hrs 3 cr.

ITAL 49500 - Independent Study in Italian Literature

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: perm dept. adviser
1-3 cr.

SEDC 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

The nature of language, and language acquisition/learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.
prereq or coreq: SEDF 20300, 20400
3 hrs 3 cr.

• SEDC 712 (see graduate catalog)

Jewish Studies - BA
Jewish Studies Major

The Jewish Studies program offers a 24-credit major. The 24 required credits are distributed as follows:

Required of All Majors

The 6 core credits required of all majors are:

**HIST 20800 - History of the Jews**

GER 2/B, PD/A  
An introductory survey emphasizing how Jewish communities adapted to a wide range of environments during more than 3000 years of world history.  
*prereq or coreq: ENGL 12000*  
3 hours 3 credits

**HEBR 22200 - Introduction to Jewish Texts and Writings**

A broad survey of influential Jewish texts and literary masterpieces from ancient to modern times.  
*prereq or coreq: ENGL 120*  
3 hours 3 credits

15 Credits in Jewish Studies

In addition to the core courses, students must select 15 credits in Jewish studies in conjunction with the program adviser, at least 6 of which must be at the 300-level or above. Students are encouraged to select from, but are not limited to, the following:

**HEBR 21100 - Masterpieces of Medieval Hebraic Literature in Translation (W)**

GER 2/C PD/D  
Selections from major works reflecting Jewish life and thought in medieval Islamic world and Christendom.  
3 hrs 3 cr.

**HEBR 21200 - Readings in Modern Hebrew Literature in Translation (W)**

GER 2/C  
Survey of Hebraic literature from Enlightenment movement to present.  
3 hrs 3 cr

**HEBR 21800 - Masterpieces of Yiddish Literature in Translation (W)**

GER 3/A PD/D  
Study of major works in Yiddish literature from Mendele Mocher Seforim to present.  
*prereq: ENGL 22000*  
3 hrs 3 cr

**HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)**
GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.
3 hrs 3 cr

HEBR 49100 - Honors Project

Individual study and research in Hebrew literature in consultation with staff member. Honors essay required. May be repeated as topics vary from semester to semester.
prereq: Jr/Sr only; perm division
1 sem 3 cr.

HIST 21000 - History of Judaism

GER 2/B
Survey of the Jewish religious tradition with attention to interactions between Judaism and other religions and to the role of Judaism in the formation of Christianity and Islam.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 24200 - The Holocaust: An Introduction

PD/D
The attempt to exterminate the Jewish people by the Nazis.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 30900 - Jewish History in the Ancient World

GER 3/B PD/A
The Jewish people from its origins in late antiquity; social and intellectual developments from biblical to Talmudic times.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 31000 - Jewish History in the Medieval and Early Modern Periods

GER 3/B PD/D
The Jewish people from late antiquity to 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 32000 - Jewish History in the Modern World (W)

GER 3/B PD/D
From the 18th century to the present: Enlightenment, Jewish emancipation and nationalism, a Jewish state; anti-Semitism and the Holocaust; recent trends.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.
HIST 32100 - History of the Holocaust

GER 3/B
Examination of the mass murder of 6 million Jews by the Nazi regime during World War II. Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 35700 - American-Jewish History (W)

GER 3/B PD/D
Development of the American Jewish community; economic, political and social integration; cultural adaptation. Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

JSS 31000 - Jewish Studies Fieldwork

Supervised experience in a Jewish community agency, periodic consultation with program director and preparation of report or term paper based on the experience. May be taken twice for a total of 6 cr.
prereq: qualified Jr/Sr.
hrs TBA 3-6 cr.

JSS 40000 - Individual Honors Project

Not open to students who have completed fewer than 60 credits. Guided readings on a topic in Jewish studies under faculty supervision. May be repeated on different topics for a total of 6 credits. A substantial research paper is required. Selected topics and problems in Jewish studies. qualified Jr/Sr, perm instr. or program director
prereq: 12 cr. in Jewish Social Studies, perm program director
3-6 hrs 3-6 cr.

JSS 41050 - Jewish Studies Seminar I

Selected topics and problems in Jewish studies.
prereq: qualified Jr/Sr, perm instr. or program director
3 hrs 3 cr. each

JSS 41051 - Jewish Studies Seminar II

Selected topics and problems in Jewish studies.
prereq: qualified Jr/Sr, perm instr. or program director
3 hrs 3 cr. each

POLSC 26400 - Government and Politics of Israel (W)

GER 3/B
Historic evolution of the Jewish state and its political system, social issues and foreign policy.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

REL 25200 - Ancient Near Eastern Religions (W)
GER 2/C PD/A
Study of Egyptian religion, religions of Sumer and Babylonia, religion of the early Hebrews (including the Old Testament).
prereq: ENGL 12000
3 hrs 3 cr.

REL 25300 - Western Religions (W)
GER 2/C PD/D
Survey of major Western religions – Christianity, Judaism, Zoroastrianism and Islam.
prereq: ENGL 12000
3 hrs 3 cr.

More Options

Other courses that may be selected to meet this 15-credit requirement are ENGL 38663 (ENGL 38600), The Bible in British and American Literature, ENGL 39058 (ENGL 39000), Literature and Catastrophe (focus on Holocaust Studies), ENGL 39968 (ENGL 39900), Jewish American Literature, HIST 740, Modern Jewish Social and Intellectual History (see graduate catalog) and HIST 748, American Jewish History (see graduate catalog).

Note

Up to 6 credits of independent study and fieldwork may be taken unless special permission is obtained from the program adviser.

Capstone Course (3 Credits)

One of the following courses should be taken as a capstone course:

JSS 40000 - Individual Honors Project
Not open to students who have completed fewer than 60 credits. Guided readings on a topic in Jewish studies under faculty supervision. May be repeated on different topics for a total of 6 credits. A substantial research paper is required.
Selected topics and problems in Jewish studies. qualified Jr/Sr, perm instr. or program director
prereq: 12 cr. in Jewish Social Studies, perm program director
3-6 hrs 3-6 cr.

JSS 41050 - Jewish Studies Seminar I
Selected topics and problems in Jewish studies.
prereq: qualified Jr/Sr, perm instr. or program director
3 hrs 3 cr. each

JSS 41051 - Jewish Studies Seminar II
Selected topics and problems in Jewish studies.
prereq: qualified Jr/Sr, perm instr. or program director
3 hrs 3 cr. each
Minor in Jewish Studies

The minor in Jewish Studies consists of 12 credits and must include HIST 20800, History of the Jews, and HEBR 22200, Introduction to Jewish Texts and Writings. The remaining 6 credits in Jewish Studies are to be selected in consultation with an adviser. Students can apply to the minor up to 6 credits in Independent Studies (JSS 30000 or JSS 40000) or fieldwork (JSS 31000). Six credits in Jewish studies can be transferred from other institutions of higher learning.

Honors in Jewish Studies

Students will be eligible for honors in Jewish Studies upon completion of 24 credits in Jewish Studies with a 3.5 GPA and a 2.8 cumulative GPA at the time of graduation. To be eligible to graduate with honors in Jewish Studies, students can take the following JSS 40000 (Individual Honors Project) or JSS 41050/JSS 41051 (Jewish Studies Seminar, I or II), HEBR 49100 (Honors Project) or graduate courses with special permission, with a grade of B or better. Eligible students should apply for honors at the time they file for graduation.

Languages Other than English: Chinese, French, German, Hebrew, Italian, Russian, Spanish (BA) Additional Coursework and Student Teaching

Return to: Adolescent Education, Grades 7-12

Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool- community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

_3 hrs 3 cr._

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

_2 hrs per week plus 36 hrs fieldwork 2 cr._

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

_prereq: SEDF 20300, 20400_

_2 hrs per week plus 36 hrs fieldwork 2 cr._
SED 20600 - Assessment of the Teaching and Learning Process in Grades 7-12

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

prereq: SEDF 20500, SEDC 21000
2 per week plus lab2 cr.

SED 21000 - Building the Foundations of Literacy in Grades 7-12

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

3 hrs3 cr.

SED 22000 - Adolescent Health and Safety

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

prereq: SEDF 20300, 20400
1 hr1 cr.

Note

Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.

Additional Required Coursework and Student Teaching

SED 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

The nature of language, and language acquisition/learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.

prereq or coreq: SEDF 20300, 20400
3 hrs3 cr.

SED 32200 - Methods II: Instructional Planning for Literacy, Language, and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

Standards that impact on the teaching of foreign/heritage languages at the secondary level. Emphasis is placed on the strategies, methods and materials used in planning instruction around the standards. Classroom observations will serve as a catalyst for discussion.

prereq: SEDC 21200prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork2 cr.

And one of the following:
SEDC 45210 - Student Teaching in Chinese, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Chinese teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45220 - Student Teaching in French, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified French teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45230 - Student Teaching in German, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified German teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45250 - Student Teaching in Hebrew, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Hebrew teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45260 - Student Teaching in Italian, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Italian teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.
prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45270 - Student Teaching in Russian, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Russian teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45280 - Student Teaching in Spanish, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Spanish teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

Note

For the departmental requirements for teaching foreign languages consult: Classical and Oriental Studies (Chinese, Hebrew, Russian), German, and Romance Languages (French, Italian, Spanish).

Latin - BA

Return to Classical and Oriental Studies

24 credits of Latin above

LAT 10100 - Beginning Latin

LAT 10100 not credited without LAT 10200.
8 hrs 8 cr.
offered fall

LAT 10200 - Beginning Latin

8 hrs 8 cr.
offered spring

LAT 10700 - Beginning Latin, Intensive
6 hrs 6 cr.
offered summer

and a corequisite of

**GRK 10100 - Beginning Greek**

*GRK 101 not credited without GRK 102.*
8 hrs 8 cr.
offered fall

**GRK 10200 - Beginning Greek**

*GRK 10100 not credited without GRK 10200.*
8 hrs 8 cr.
offered spring

**GRK 10700 - Beginning Greek, Intensive**

6 hrs 6 cr.
offered summer

**Preparation for Teaching in Grades 7-12**

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.

**Honors and Tutorials**

Departmental honors in classics and tutorials are open only to majors.

**Classics: Minors**

**Classical Studies**

A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.

**Classical Archaeology**

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.

**Greek**

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.
Latin

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

Courses in Latin

LAT 11000 - Latin Reading

prereq: LAT 10200 or equiv.
3 hrs3 cr.
offered fall

LAT 20100 - Ovid's Metamorphoses

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20200 - Roman Biography

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20300 - Vergil's Aeneid

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20400 - Cicero's De Senectute

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 22000 - Medieval Latin

prereq: LAT 11000 or equiv.
3 hrs3 cr.
offered summer

LAT 30200 - Roman Letter

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30300 - Roman Comedy

prereq: LAT 20100 or equiv.
3 hrs3 cr.
LAT 30400 - Roman Satire

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30500 - Vergil's Eclogues and Georgics

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30600 - Cicero

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30700 - Lucretius' De Rerum Natura

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30800 - Roman Epic

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30900 - Lyric Poetry of the Golden Age

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31000 - The Roman Novel

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31100 - Elegiac Poets

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31200 - Livy

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31300 - Caesar

prereq: LAT 20100 or equiv.
3 hrs 3 cr.
LAT 31400 - Tacitus

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31500 - Anthology of Latin Verse

prereq: LAT 20100 or equiv.
1 hr 1 cr.

LAT 31600 - Advanced Readings in Latin Literature

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

Latin American and Caribbean Studies - BA

The specialization in Latin American and Caribbean Studies as a major leading to a BA degree consists of 24 credits. The core courses for the major are drawn from the social sciences, humanities, and arts. Students select courses for the major in consultation with the program's director or with a member of the Latin American and Caribbean Studies Faculty Advisory Committee.

The interdisciplinary specialization of the major will serve graduates well, whether they choose to seek employment in public or private organizations, pursue professional degrees, or go on to a graduate degree in the social sciences or humanities.

Language Requirement

Latin American and Caribbean Studies majors are required to demonstrate a reading knowledge of Spanish, Portuguese, or French, fulfilled at least one semester before graduation from the college.

Course Requirements for the Major

LACS students are required to take either LACS 33000 (a field course for students to study or intern in the region or intern in an institution in the New York area) or LACS 43400 (a course that comprises preparation of a major original research paper to be developed in close association with a mentor from the Latin American and Caribbean Studies Faculty Advisory Committee). ENGL 12000 is a prerequisite for program courses.

LACS 33000 - Latin America and the Caribbean Field Course/Internship

A field course for students to study in the region or who are interning in an institution either in the New York area or in the region. Major research paper based on field or internship experience.
3 cr.

LACS 43400 - Seminar in Latin American and Caribbean Studies

Open to sophomores, juniors, and seniors who have completed at least 18 credits in LACS or have instructor permission. Interdisciplinary reading, research, and discussion of selected topics involving cultural, economic, political,
Departmental Honors

LACS majors with a GPA above 3.5 are eligible to receive the Lily Mage Award.

CR/NC Policy

No CR/NC grades will be accepted in courses to meet LACS major requirements.

Teaching

In addition to its distinguished regular Hunter faculty, LACS offers students courses by excellent adjunct faculty such as Dr. Marta Moreno Vega, Director of the Caribbean Cultural Center, producer of the documentary film When the Spirits Dance Mambo, as well as invited specialists on Latin American and Caribbean theatre, Haitian and Dominican literature and the political economy of the Caribbean and Latin America.

Mentoring

Faculty mentoring is very important to the LACS Program. Majors should maintain regular contact with their mentors/advisers.

Study Abroad

Study abroad is encouraged for LACS majors. Apart from the new Bahia, Brazil course, LACS students have studied in Hunter’s programs in Arequipa and Cuzco, Peru and Mar del Plata, Argentina.

Course Offerings for LACS

Course Offerings in LACS from Other Departments

Africana and Puerto Rican/Latino Courses

Courses from Africana and Puerto Rican Studies Department

**AFPRL 10200 - Latino Communities in the United States**

GER 2/B PD/B

Migration, ethnicity, community life and public policy issues of Latino groups compared to the Puerto Rican experience.

*3 hrs 3 cr.*

**AFPRL 10300 - Conquest and Resistance: Puerto Rican Experiences in Comparative Perspective**
GER 2/B PD/B
Introductory study of the Puerto Rican experience compared with experiences of Native and African Americans, Chicanos and Pacific Island peoples in the territorial expansion of the United States.
3 hrs 3 cr.

**AFPRL 21000 - Introduction to Caribbean History: 1900 - Present**

GER 2/B PD/A
Introduction to the major themes in Caribbean history after 1900.
*prereq: ENGL 12000*
3 hrs 3 cr.

**AFPRL 23700 - African Caribbean Literature (W)**

GER 2/A PD/A or B
Introduction to the historical development and major artistic preoccupations of Caribbean literature. The course is conducted in English; all course requirements are in English.
*prereq: ENGL 12000*
3 hrs 3 cr.

**AFPRL 24100 - Puerto Rican History to 1897**

GER 2/B PD/A
An examination of Taino society, Spanish colonialism, slave economy and the development of nationhood in the 19th century.
3 hrs 3 cr.

**AFPRL 24200 - Puerto Rican History Since 1898**

GER 2/B PD/A
Sociohistorical, political and economic analysis of Puerto Rico dating from the U.S. invasion to the present.
3 hrs 3 cr.

**AFPRL 24300 - Puerto Rican Culture**

GER 2/C PD/A or B
General study of Puerto Rican culture and ethnic mixtures that went into making of that culture.
3 hrs 3 cr.

**AFPRL 24400 - Puerto Ricans in the United States**

GER 2/B PD/B
Survey of the origins, contemporary and future development of Puerto Ricans in the United States.
3 hrs 3 cr.

**AFPRL 25500 - Puerto Rican/Latino Children in North American Schools**

PD/B
Survey of educational system viewed as an acculturating institution.
3 hrs 3 cr.
AFPRL 29000 - Selected Topics in Africana and Puerto Rican/Latino Studies

PD/A or B
Topics change according to instructor.
3 hrs 3 cr.

AFPRL 30800 - Contemporary International Relations of the African-Caribbean (W)

GER 3/B
Examination of the use of foreign policy for economic development in the Caribbean and as an instrument of transformation.
prereq: AFPRL 20700 or 21000 or perm instr.
3 hrs 3 cr.

AFPRL 31900 - Women in the African Diaspora (W)

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance and in sustaining African culture and values.
cross-listed WGS 32900 (W)
prereq: AFPRL 20400 or 20900 or 21000 or perm instr.
3 hrs 3 cr.

AFPRL 32000 - African-Caribbean Culture (W)

GER 3/A PD/A or B
prereq: AFPRL 20900 or 21000 or 22200
3 hrs 3 cr.

AFPRL 33700 - Caribbean Women Writers (W)

GER 3/A
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, creolization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.
cross-listed WGS 33700 (W)
prereq: AFPRL 23600 or 23700 or ENGL 22000 or WGS 10000
3 hrs 3 cr.

AFPRL 35600 - Latino Literature in English (W)

GER 3/A PD/B
Latino writing in English in the U.S.; analysis of cultural, linguistic and ideological factors as found in the work of such authors as Sandra Cisneros (Chicana), Pedro Pietri (Puerto Rican) and Oscar Hijuelos (Cuban-American).
3 hrs 3 cr.

AFPRL 38700 - Puerto Rican/Latino Politics in the United States (W)
An analysis of the political participation and leadership of Puerto Ricans and other Latinos in the United States.

**AFPRL 39000 - Research Topics in Africana and Puerto Rican/Latino Studies (W)**

GER 3/A or B
Topics change according to instructor.
Open to Jr/Sr only.
3 hrs 3 cr.

**AFPRL 42800 - Selected Topics in Africana and Puerto Rican/Latino Studies: Social Science**

GER 3/B PD/B
Topics change according to instructor.
Pluralism and diversity requirements are dependent on the topic course.
prereq: perm dept.
3 hrs 3 cr.

**AFPRL 44500 - Caribbean Short Story in Spanish: Readings and Theories**

GER 3/A
A critical study of the short story genre in the Hispanic Caribbean viewed in conjunction with contemporary literary theory.
prereq or coreq: SPAN 20800
3 hrs 3 cr.

**Anthropology**

**ANTHC 40100 - Seminars in Selected Topics**

Topics TBA.

**Economics**

**ECO 33000 - Economic Development**

GER 3/B PD/A
Critical variables explaining the diversity of growth and economic and development outcomes across developing countries. Theories, case studies, measurement and policies.
prereq: ECO 20100
3 hrs 3 cr.

**Geography**

**GEOG 27000 - Regional Geography of Mexico, Central America and the Caribbean**
Analysis of relationship of natural environment to economic, social and political life of Mexico, Central America and West Indies.
3 hrs3 cr.

**GEOG 27100 - Regional Geography of South America**

Analysis of relationship of natural environment to economic, social and political life of South America.
3 hrs3 cr.

**History**

**HIST 27100 - Early History of Latin America**

History and cultures of Amerindian groups in Central and South America and the Caribbean; encounter and multiple interactions of European and African cultures with indigenous societies; development of Iberian colonial systems and cultures within the Americas.

*Courses at the 300-level and above not offered to freshmen.*
3 hrs3 cr.

**HIST 34122 - Latin American Political Economy**

*Courses at the 300-level and above not open to freshmen*
3 hrs3 cr.

**HIST 34139 - African Influences in the Americas**

*Courses at the 300-level and above not open to freshmen*
3 hrs3 cr.

**Music**

**MUSHL 24000 - Music of the Caribbean and Latin America (W)**

Origin and development of Caribbean and Latin American musical styles and their impact on the United States and other parts of the world.
*prereq: ENGL 12000; one of the following:MUSHL 10100, 10700, 20500, MUSTH 101, or perm instr.*
3 hrs3 cr.

**MUSHL 22100 - Black Music in the Americas (W)**

The origins, history, and evolutionary progression of Black music in the Americas; shared musical practices and resources in the multicultural matrix of the United States in particular and the hemisphere in general.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.

Political Science

POLSC 25200 - Government and Politics in the Caribbean (W)

GER 3/B PD/A
Colonial heritage and American presence. Political institutions, cultural diversity and economic dependency.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 25300 - Government and Politics in Latin America (W)

GER 3/B PD/A
Ideology, revolution, authoritarianism, democracy, institutions, class structure, distribution of wealth and power, political and economic development.
cross-listed LACS 43405
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26200 - Government and Politics in Central America (W)

GER 3/B PD/A
Political institutions, ideology, class and ethnic structure, economic development, distribution of wealth and power, foreign influences and revolutionary and evolutionary roads to modernization.
cross-listed LACS 43429
prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 27100 - International Politics in the Americas (W)

GER 3/B PD/A
Dynamics of US relations with Latin American countries from the colonial era through the Cold War to the present, and of relations of Latin American countries with each other and with extra-hemispheric nations.
cross-listed LACS 43432
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 28100 - Drugs, Politics and Public Policy (W)

GER 3/B
Examination of public policies addressing drug use and abuse in the United States and other countries with emphasis on political and cultural determinants, economic and market factors, constitutional implications and United States foreign policy.
prereq: ENGL 12000
3 hrs3 cr.

Romance Languages - Spanish
SPAN 26400 - Contemporary Spanish Literature in Translation

Cela, Lorca, Unamuno, Ortega y Gasset.

Taught in English. This course is designed for students who want to become acquainted with Spanish culture. Cannot be credited toward the major and are not recommended for the minor.

prereq: ENGL 12000
3 hrs3 cr.

SPAN 27600 - Readings in Modern Spanish- American Literature

Representative writers: Borges, Neruda, Cortazar, Garcia Mirey.

prereq: SPAN 20200, 20300, 20800 21100 or four yrs high school Spanish or dept. perm.
3 hrs3 cr.

SPAN 33600 - Latin American Civilization

GER 3/A
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in Spanish.

prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

SPAN 34100 - Introduction to Hispanic Literature I

GER 3/A PD/D
Prerequisite or corequisite to most courses in major sequence. Basic interpretive and research skills for Spanish majors and other qualified students through study of key works of Spanish and Spanish-American authors.

prereq or coreq: SPAN 31100 or dept. perm
3 hrs3 cr.

SPAN 34200 - Introduction to Hispanic Literature II

GER 3/A PD/D

prereq: SPAN 34100 coreq: SPAN 31200
3 hrs3 cr.

SPAN 36400 - Spanish-American Modernism and Post-modernism

GER 3/A
Modernist and post-modernist authors.

prereq: SPAN 34100
3 hrs3 cr.

SPAN 49100 - Honors Course in Spanish: Special Studies in Contemporary Latin American Literature

Open to Jr/Sr only. Group meetings, conferences, oral and written reports.

prereq: major GPA of 3.2, cum GPA of 2.8; perm adviser
3 hrs3 cr.
SOC 30700 - Migration

GER 3/B PD/B
Economic, demographic, political and cultural factors influencing migration and the consequences of migration. 
prereq: SOC 10100
3 hrs 3 cr.

SOC 31800 - Sociology of Human Rights in Latin America

GER 3/B
Types of societies in which human rights are respected or violated with special emphasis on Latin American regimes in the last two decades. Human rights and diversity the rights of women and minorities. Movements to protect human rights. The emphasis is on actual social conditions which foster or impede the observance and protection of human rights. 
prereq: SOC 10100
3 hrs 3 cr.

SOC 32502 - Sociology of Human Rights: Violation and Protection

GER 3/B
prereq: SOC 10100, perm instr.
3 hrs 3 cr.

SOC 32506 - Latin American Societies

GER 3/B
prereq: SOC 10100, perm instr.
3 hrs 3 cr.

SOC 32519 - Economic Development and Social Inequality in Latin America

GER 3/B
prereq: SOC 10100, perm instr.
3 hrs 3 cr.

SOC 36100 - Development and Modernization (W)

GER 3/B PD/A
Examinations of models of social change with a special focus on developing countries. 
prereq: SOC 10100
3 hrs 3 cr.

Women and Gender Studies

WGS 33700 - Caribbean Women Writers (W)
GER 3/A
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, eolization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.

cross-listed AFPRL 33700
prereq: AFPRL 23600 or 23700 or ENGL 22000 or WGS 10000
3 hrs3 cr.

WGS 20005 - Dominican and Haitian Literature and Culture
3 hrs3 cr.

Major concentration in Spanish-English/English-Spanish translation and interpretation (36 cr)

This program prepares students for careers in the growing translation field. Students take courses in Spanish language, literature and civilization in conjunction with specialized courses in translation/interpretation theory and practice. Allied courses in English and related fields of study are required and must be approved by the program adviser. Sufficient flexibility is built into the program so that students may tailor certain requirements to fit their individual needs and interests. An intensive internship in translation and/or interpretation serves as the student’s capstone experience and preparation for future professional settings. Please see the department of Romance Languages for more details regarding this new and innovative program of study.

Prerequisites

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf3 cr.

SPAN 21100 - Spanish Grammar and Composition

Not recommended for fluent speakers of Spanish. Study of grammatical and syntactical patterns. Practice in reading, writing and speaking Spanish.
prereq: SPAN 20200 or 20300
3 hrs3 cr.

-or-

SPAN 27000 - Spanish Composition for Spanish Speaking Students

prereq: SPAN 20800 or perm adviser
3 hrs3 cr.

Major Course Requirements (36 credits)
1. Linguistic Structures and Advanced Writing (9 cr.)

**SPAN 31100 - The Structure of Modern Spanish**


*prereq: SPAN 20200, 20300, 20800, 21100 or equiv.*

3 hrs 3 cr.

**SPAN 31200 - Advanced Spanish Writing**

Applying morphosyntactical patterns through intensive composition. Exploration of various writing forms. Required of all Spanish majors.

*prereq: SPAN 31100 or equiv.*

3 hrs 3 cr.

**SPAN 31300 - Spanish Stylistics**

Practice in Spanish writing through stylistic analysis of poetic and narrative structures and the relationship of text and context.

*prereq: ENGL 12000; SPAN 31100, 31200, 34100, 34200*

3 hrs 3 cr.

2. Lexical and Cultural Enrichment (12 cr.)

**SPAN 34100 - Introduction to Hispanic Literature I**

GER 3/A PD/D

Prerequisite or corequisite to most courses in major sequence. Basic interpretive and research skills for Spanish majors and other qualified students through study of key works of Spanish and Spanish-American authors.

*prereq or coreq: SPAN 31100 or dept. perm*

3 hrs 3 cr.

**SPAN 34200 - Introduction to Hispanic Literature II**

GER 3/A PD/D

*prereq: SPAN 34100*  
*coreq: SPAN 31200*

3 hrs 3 cr.

Two courses in *contemporary* Spanish or Spanish-American theatre, narrative or essay above SPAN 34200, or from any of the following:

**SPAN 35300 - Spanish Neoclassicism and Romanticism**

GER 3/A PD/D

Representative works of Neoclassical and Romantic periods, including costumbrismo.

*prereq: SPAN 34100*

3 hrs 3 cr.
SPAN 35500 - Spanish Literature from Realism to World War I

GER 3/A PD/D
From Realism and Naturalism through the Generation of 1898 and Modernism.
*prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35700 - Early 20th Century Spanish Literature

GER 3/A PD/D
Presentation of the major writers and works of the first 40 years of 20th century Spanish literature.
*prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35800 - Post-Civil War Spanish Literature

GER 3/A PD/D
Major trends and writers since the Spanish Civil War, with particular attention to the social, cultural and political context.
*prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36200 - Spanish-American Romanticism, Realism and Naturalism

GER 3/A
Representative works of 19th century Spanish-American literature.
*prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36400 - Spanish-American Modernism and Post-modernism

GER 3/A
Modernist and post-modernist authors.
*prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36500 - Survey of Spanish-American Teatro

GER 3/A
Survey of major trends in Spanish-American dramatic literature from colonial days to the present, with emphasis on the second half of the 20th century.
*prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36600 - Contemporary Latin American Poetry

GER 3/A
Major trends, such as Vanguardia, Brazilian Modernismo, Caribbean poetry, Anti-Poetry, Exteriorismo and popular poetry.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36700 - Latin American Essay

GER 3/A
Exploration of the essay as an aesthetic form and its role in the social and cultural struggles that have marked Latin-American history.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36800 - Contemporary Latin American Narrative

GER 3/A
Major trends, such as the Indianist novel, Mexican Revolution, social and psychological realism, novel of the 'boom', novel of the dictator.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 37000 - Special Topics in Spanish Literature

GER 3/A PD/D
May be repeated with different topic.
prereq: SPAN 34100; permission of adviser.
3 hrs3 cr.

SPAN 37100 - Special Topics in Spanish- American Literature

GER 3/A
May be repeated with different topic.
prereq: SPAN 34100; permission of adviser.
3 hrs3 cr.

SPAN 37400 - Contemporary Literature and Film

GER 3/A
Conducted in Spanish. Analysis of contemporary novels from Latin America and Spain and the films based upon them
prereq: SPAN 34100 or instructor permission
3 hrs3 cr.

or from Africana and Puerto Rican Studies (taught in Spanish)

or-

One of the above plus one course in Spanish or Spanish-American culture

SPAN 33500 - Spanish Civilization

GER 3/A PD/D
prereq: SPAN 20800, 21100 or dept. perm
3 hrs 3 cr.

SPAN 33600 - Latin American Civilization

GER 3/A
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in Spanish.
prereq: SPAN 20800, 21100 or dept. perm
3 hrs 3 cr.

3. Translation and Interpretation (15 cr.)

SPAN 38000 - Introduction to Translation and Interpretation Studies

Provides an introduction to basic concepts and techniques of translation and interpretation and develops a systematic approach to resolving language transference problems.
prereq: SPAN 31100 and 31200
3 hrs 3 cr.

Two courses from:

SPAN 38100 - Translation from Spanish into English

Develops proficiency in translating from Spanish into English. The student will work with a variety of general Spanish texts and develop skills for analyzing and rendering them accurately into English. In addition, s/he will examine the best ways to handle idiomatic expressions, tenses and other complex grammatical structures. S/he will become familiar with the relevant terminology and theoretical issues, as well as learn how to select and evaluate dictionaries and other research materials.

prereq: SPAN 38000
3 hrs 3 cr.

SPAN 38200 - Consecutive Interpretation Spanish-English/English-Spanish

An overview of the principles of consecutive interpretation.
prereq: SPAN 38000
3 hrs 3 cr.

SPAN 38300 - Translation from English into Spanish

Reinforces the basic principles of translation taught in SPAN 3800 with more advanced texts, and adds a special emphasis on style and the specific demands of certain categories of texts, as well as theoretical discussion regarding choices in translation.
prereq: SPAN 38000
3 hrs 3 cr.

SPAN 38400 - Simultaneous Interpretation Spanish-English
Designed so that students may begin working directly on the skills, protocol and practice of simultaneous interpretation, analyze in detail its processes, and review the settings in which it is used.

*prereq: SPAN 38000
3 hrs3 cr.

one or more courses from SPAN 39000: (topics vary. See Schedule of classes for offerings)

**SPAN 39000 - Translation and Interpretation for the Professions**

This series of courses will focus each semester on a different professional area, such as legal, medical, business, technical-scientific, social, and literary translation.

*prereq: varies by course
3 hrs3 cr.

One or more courses from:

**SPAN 39100 - Internship in Translation**

Students who have completed the 39000 sequence of courses and have maintained an average of B+ or better are encouraged to take advantage of this internship. It consists of 70 hours of practical work in translation for a financial institution, law firm, translation agency, the United Nations, or other organization. In addition, the student must attend regularly scheduled meetings with the professor supervising the internship in order to discuss issues and problems in the real world of professional translation.

*prereq: SPAN 38100 – 38400, 39000
3 hrs3 cr.

**SPAN 39200 - Internship in Interpretation**

Students who have completed the 39000 sequence of courses and have maintained an average of B+ or better are encouraged to take advantage of this internship to train them in real-world interpreting skills in the context of court interpreting, parliamentary procedure, diplomatic etiquette, conference organization, etc. This internship consists of 70 hours of practical work in interpretation as well as frequent meetings with the professor supervising the internship in order to discuss issues and problems in the real world of professional interpretation.

*prereq: SPAN 38100 – 38400, 39000
3 hrs3 cr.

**Allied Course Requirements (12 credits)**

1. At least two courses from among the following (6 cr.)

**ENGL 20100 - Intermediate Expository Writing Using Small-Group Methods**

Additional practice in expository writing; small classes (8-10).

*prereq: ENGL 12000
3 hrs3 cr.*
ENGL 21800 - Advanced Expository Writing

Frequent writing practice, with emphasis on clarity, style and organization.
prereq: ENGL 12000
3 hrs + conf3 cr.

ENGL 30100 - Theory and Practice of Expository Writing

GER 3/A
Composition in variety of nonfiction prose forms and study of rhetorical theories.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 30800 - Workshop in Non-Fiction I

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of various non-fiction genres, including memoir/autobiography and other forms of personal essays, review essays, occasional pieces, and philosophical essays.
prereq: ENGL 30000
3 hrs3 cr.

ENGL 30900 - Workshop in Non-Fiction II

GER 3/A
A continuation of Workshop in Non-Fiction I, with increasing emphasis on craft and revision.

*This course may be repeated once for credit.*
prereq: ENGL 30000 and 30800
3 hrs3 cr.

ENGL 33100 - The Structure of Modern English

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.
prereq: ENGL 22000
3 hrs3 cr.

2. Choose either Option A -or- Option B

Option A: Two courses in contemporary US literature written in English from the following courses (6 cr.)

ENGL 32000 - Multi-Ethnic American Literature (W)

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.
ENGL 32100 - Studies in African American Literature

GER 3/A PD/B
Selected works by African American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 37700 - 20th Century American Fiction

GER 3/A
Study of such authors as Dreiser, Wharton, Fitzgerald, Hemingway, Faulkner, Porter, Warren, O'Connor, Nabokov and Bellow.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 37900 - 20th Century American Drama

GER 3/A
Study of such authors as O'Neill, Wilder, Hellman, Miller, Williams, Hansberry and Albee.

prereq: ENGL 22000
3 hrs3 cr.

AFPRL 35600 - Latino Literature in English (W)

GER 3/A PD/B
Latino writing in English in the U.S.; analysis of cultural, linguistic and ideological factors as found in the work of such authors as Sandra Cisneros (Chicana), Pedro Pietri (Puerto Rican) and Oscar Hijuelos (Cuban-American).

3 hrs3 cr.

Option B: One courses from Option A above and one of the following courses (6 cr.)

ANTHC 15100 - Introduction to Linguistics

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.

3 hrs3 cr.

ANTHC 35100 - Language in Culture and Society

GER 3/B
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social and political life; language, ideology and identity.

3 hrs3 cr.
ANTHC 35300 - Phonological Analysis and Theory

GER 3/B
Phonetics of diverse languages, their phonemic analysis at different levels of theory, including distinctive feature analysis and phonological links to grammar.
prereq: ANTHC 15100 or equiv.
3 hrs3 cr.

ANTHC 35400 - Grammatical Analysis and Theory

GER 3/B
Methods of syntax and morphology in work with diverse languages; syntactic theories and their development relative to universals, semantics, pragmatics, discourse.
prereq: ANTHC 15100 or equiv.
3 hrs3 cr.

AFPRL 18100 - Language and Ethnic Identity

ENGL 33200 - History of the English Language (W)
Development of English from earliest records to the present. Spread of English across the globe. Effects on English of contacts with other languages. Satisfies linguistics but not literature requirements.
prereq: ENGL 22000
3 hrs3 cr.

MEDP 24000 - Effective Speechmaking
Development of skills in speechmaking and media presentation.
prereq: MEDIA 18000
3 hrs3 cr.

MEDP 29200 - Basic Reporting (W)
Workshop and discussion to provide basic skills of newspaper writing.
prereq: MEDIA 18000
3 hrs3 cr.

MEDP 29300 - Advanced Reporting (W)
Intermediate course to advance skills in writing and reporting.
prereq: MEDP 29200
3 hrs3 cr.

THEA 16100 - Acting I: Basic Acting Techniques
For intended majors and non-majors. Exploration of the fundamentals of acting technique through improvisation.
coreq: 
3 hrs3 cr.
THEA 26100 - Acting II: Contemporary Drama

GER 3/A
Fundamentals of scene study focusing on text analysis, personalization, objective and action using American realism.
prereq: THEA 16100 or perm instr.
4 hrs3 cr.

THEA 26200 - Acting III: Contemporary Drama

GER 3/A
Continued work on scene study using realistic plays from the world repertory.
prereq: THEA 26100 or perm instr.coreq: THEA 26300
4 hrs3 cr.

Mathematics (BA): Additional Required Coursework and Student Teaching

Return to: Adolescent Education, Grades 7-12
Return to: Mathematics for Adolescent Education

Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool- community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.
3 hrs3 cr.

SEDF 20400 - Adolescent Development

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.
2 hrs per week plus 36 hrs fieldwork2 cr.

SEDF 20500 - Educational Psychology: Applications in Grades 7-12

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.
prereq: SEDF 20300, 20400
2 hrs per week plus 36 hrs fieldwork2 cr.

SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12
The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

prereq: SEDF 20500, SEDC 21000
2 per week plus lab 2 cr.

SEDC 21000 - Building the Foundations of Literacy in Grades 7-12

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.
3 hrs 3 cr.

SEDC 22000 - Adolescent Health and Safety

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

prereq: SEDF 20300, 20400
1 hr 1 cr.

Note

Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.

Additional Required Coursework and Student Teaching

Parallel graduate courses in the BA/MA Mathematics program

SEDC 21300 - Methods I: Classroom Organization, Management and Instruction in Mathematics and Science, Grades 7-12

Candidates will identify the impact of various classroom organization patterns, rules and routines. Candidates will be able to design, implement and evaluate lessons in the context of state and city standards for learning in grades 7-12.

prereq or coreq: SEDF 20300, 20400
3 hrs 3 cr.

SEDC 32300 - Methods II: Teaching Diverse Learners in Mathematics, Grades 7-12

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in mathematics. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

prereq: SEDC 21300
prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork 2 cr.

SEDC 45300 - Student Teaching in Mathematics, Grades 7-12
Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified math teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

*prereq: SEDC 32300
*prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.

**Mathematics - BA**

**Major**

The mathematics major introduces students to the fundamental areas of mathematics and provides some degree of specialization in one or more areas. It trains students in the analytic thinking characteristic of pure and applied mathematics and provides familiarity with rigorous methods of mathematical proof. In addition to the traditional major in mathematics, described below, the department also offers a number of specialized undergraduate tracks for students interested in pursuing careers in bioinformatics or in preparing for teaching: the concentration in Quantitative Biology, the concentration in Preparation for Adolescent Education (grades 7-12), and the concentration in Preparation for Childhood Education (grades 1-6.)

To enter the traditional mathematics major, the student should have completed one year of calculus (MATH 15000 and MATH 15500, or the equivalent). The major consists of at least 33 credits of coursework: 24 credits of core curriculum courses taken by all mathematics majors except those enrolled in the Concentration in Preparation for Childhood Education (grades 1-6) and at least 9 credits of advanced elective courses, chosen by students according to their career plans.

Students interested in pursuing mathematics at the advanced graduate level are urged to participate in the BA/MA program in Mathematics. The BA/MA program in Preparation for Adolescent Education leads to professional certification in adolescent education (grades 7-12) in mathematics. Certification may also be received by completing the BA degree with a mathematics major and then completing the graduate Teacher Education Program (TEP) in Mathematics or the graduate Urban Teacher Residency in Mathematics.

- Mathematics Concentration in Preparation for Adolescent Education (Grades 7-12)
- Mathematics Major with a Concentration in Quantitative Biology
- Mathematics Concentration in Preparation for Childhood Education (Grades 1-6)

**Major Core Curriculum (24 cr)**

**MATH 15600 - Introduction to Mathematical Proof Workshop**

Techniques of proof will be introduced, among them the direct and indirect methods of proof, epsilon-delta arguments and induction. These will be applied to theorems in number theory, set theory and in differential and integral calculus. *In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.*

*prereq: MATH 15000. Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better.*

*prereq or coreq: MATH 15500
2 hrs1 cr.*
MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs3 cr.

MATH 25500 - Vector Analysis

GER 3/B
Line and surface integrals, Green's Theorem, divergence theorem, Stokes' Theorem, generalized coordinates.
prereq: MATH 25000
3 hrs3 cr.

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
prereq: MATH 15600
prereq or coreq: MATH 25000
4 hrs4 cr.

MATH 31100 - Abstract Algebra I

GER 3/B
Introduction to the theory of groups and rings.
prereq: MATH 26000
3 hrs3 cr.

MATH 35100 - Mathematical Analysis I

GER 3/B
Rigorous treatment of foundations of calculus, including topology of real line and higher dimensional spaces. Basic results on continuous functions.
prereq: MATH 25000, 26000
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

-or-

STAT 31100 - Probability Theory

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.
prereq: MATH 25000.
3 hrs 3 cr.

Elective Courses

The student must complete three 3-credit approved elective courses. The elective courses must be chosen from the 300- or 400-level courses in mathematics or statistics listed by the department. Factors affecting the choice of courses will include the student’s career goals (preparation for graduate study; education; careers in business, government service or industry), the student’s other major, where applicable, and the availability of courses due to the course rotation schedule. A 300-level course may be replaced by a graduate level course approved by a departmental adviser.

Symbolic Computation Proficiency Requirement

As a requirement for graduation with a BA in Mathematics, students must demonstrate entry level proficiency in symbolic computation. The requirement can be met in any of the following ways:

a) passing any of

MATH 12600 - Precalculus Technology Laboratory

Students are introduced to MATHEMATICA as a tool for exploring qualitative features of functions and solving pre-calculus problems: simplifying algebraic expressions, solving equations, plotting functions and curves, finding and approximating zeros and solving systems of equations. MATH 12600 cannot be taken for credit after a student has passed MATH 15000. Students who have passed MATH 15000 should register for MATH 15400 to satisfy the symbolic proficiency requirement.
prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
prereq or coreq: MATH 12500
2 hrs 1 cr.

MATH 15100 - Calculus I with Symbolic Computation

Combines MATH 15000 (Calculus I) with MATH 15400. Some previous experience with computers is desirable but not required
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam
6 hrs 5 cr.

MATH 15400 - An Introduction to Symbolic Computation

Laboratory introduction to machine-aided computation with an emphasis on examples related to calculus. Students use a symbolic computation package to investigate and solve problems numerically, analytically and graphically. The same package is used to create reports of their results. Some previous experience with computers is desirable but not
required.

\textit{prereq: MATH 15000}

2 hrs1 hr.

**MATH 38500 - Numerical Methods I**

GER 3/B
Accuracy and precision, convergence, iterative and direct methods. Topics selected from: solution of polynomial equations and linear systems of equations, curve fitting and function approximation, interpolation, differentiation and integration, differential equations.

\textit{prereq: MATH 25000 and MATH 26000 or permission of the instructor}

3 hrs3 cr.

b) passing a departmental exam in a computer algebra system (currently we use MATHEMATICA or the equivalent)

**Honors**

A student majoring in mathematics or statistics may become a candidate for departmental honors by successfully completing MATH 490, by presenting a major GPA of at least 3.6 and by achieving a satisfactory rating on a comprehensive examination.

**MATH 49000 - Honors Seminar**

GER 3/B

\textit{prereq: MATH 31100, 35100, perm dept.}

3 hrs3 cr.

**Minor in Mathematics**

A minor in mathematics consists of a minimum of 12 credits selected from the following courses offered by the department: MATH courses numbered 15000 or above (with the exception of MATH 26100), STAT 31100, STAT 31200. Mathematics minors are required to take all necessary prerequisites. Students should consult the catalog to determine prerequisites necessary for them to enroll in courses that count toward the minor. It is recommended that prospective mathematics minors consult with an undergraduate mathematics adviser concerning course selection.

**STAT 31100 - Probability Theory**

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.

\textit{prereq: MATH 25000.}

3 hrs3 cr.

**STAT 31200 - Stochastic Processes**

GER 3/B
Discrete and continuous stochastic processes including Markov chains, birth processes, queues and Brownian motion.

\textit{prereq: STAT 31100}

3 hrs3 cr.
Mathematics Concentration in Preparation for Adolescent Education (Grades 7-12)

Return to Programs and Courses in Mathematics & Statistics Mathematics - BA

Provisional certification for teaching mathematics in grades 7-12 may be obtained by:

- Completing the BA with a traditional mathematics major, and
- Completing the adolescent education sequence as prescribed by the School of Education.

Students following this concentration in the mathematics major should consult a departmental adviser as to which advanced elective courses are recommended to complete 33 or more credits in the major.

Mathematics Concentration in Preparation for Childhood Education (Grades 1-6)

Return to Programs and Courses in Mathematics & Statistics

This concentration constitutes a mathematics major for QUEST students. QUEST students majoring in mathematics are not exempt from the MATH 10400 / MATH 10500 requirement. To enter this major, the student should have completed one semester of calculus (MATH 15000 or the equivalent). The specified collateral major is childhood education. This mathematics major consists of at least 32 credits of coursework: 20 credits of major core curriculum courses and at least 12 additional credits, as described below.

Major Core Curriculum (20 credits)

**MATH 15400 - An Introduction to Symbolic Computation**

Laboratory introduction to machine-aided computation with an emphasis on examples related to calculus. Students use a symbolic computation package to investigate and solve problems numerically, analytically and graphically. The same package is used to create reports of their results. Some previous experience with computers is desirable but not required.

*prereq: MATH 15000*

2 hrs1 hr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

*prereq: grade of C or better in MATH 15000*

4 hrs4 cr.

**MATH 15600 - Introduction to Mathematical Proof Workshop**

Techniques of proof will be introduced, among them the direct and indirect methods of proof, epsilon-delta arguments and induction. These will be applied to theorems in number theory, set theory and in differential and integral calculus. In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course
offerings is available in the department office and on the departmental web site. 
prereq: MATH 15000. Because of the nature of mathematics, the department recommends that students refrain from 
enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or 
better. 
prereq or coreq: MATH 15500
2 hrs1 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, 
aplications. 
prereq: MATH 12500 or appropriate score on placement exam
3 hrs3 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration. 
prereq: MATH 15500
4 hrs4 cr.

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications. 
prereq: MATH 15600prereq or coreq: MATH 25000
4 hrs4 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, 
cluding one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis 
of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

Additional Required Courses (at least 12 credits)

STAT 21200 - Discrete Probability

GER 1/B
Additional topics like sampling, random walks or game theory will be introduced from time to time.

prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs3 cr.
STAT 22000 - Statistical Analysis in Forensics

GER 3/B
A second course in probability and statistics and the evaluation of evidence in the forensic sciences.
prereq: STAT 21200 and either STAT 21300 or 11300 by permission of instructor. One of the above, i.e., STAT 21200 or STAT 21300 or STAT 11300 by permission of instructor may be taken as a coreq.
3 hrs 3 cr.

- Two additional courses approved by a departmental adviser

Mathematics Major with a Concentration in Quantitative Biology

Return to Programs and Courses in Mathematics & Statistics

This program is for students intending to pursue research careers in biomedical sciences. It provides students with a working knowledge of computing and biological sciences for bioengineering careers in bioinformatics, the pharmaceutical industry, and the biotechnology industry.

Students interested in this concentration in the mathematics major should consult the adviser. Information can be found at: http://www.hunter.cuny.edu/qubi/mathematics-majors

For this concentration, the student must complete the entry requirement for the mathematics major (MATH 15000 and MATH 15500), and the symbolic computation proficiency requirement. This major consists of the following core curriculum and additional required courses:

Major Core Curriculum (27 credits)

MATH 15600 - Introduction to Mathematical Proof Workshop

Techniques of proof will be introduced, among them the direct and indirect methods of proof, epsilon-delta arguments and induction. These will be applied to theorems in number theory, set theory and in differential and integral calculus.

In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.

prereq: MATH 15000. Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better. prereq or coreq: MATH 15500

2 hrs 1 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

prereq: MATH 15500

4 hrs 4 cr.

MATH 25400 - Ordinary Differential Equations
GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs 3 cr.

MATH 25500 - Vector Analysis

GER 3/B
Line and surface integrals, Green's Theorem, divergence theorem, Stokes' Theorem, generalized coordinates.
prereq: MATH 25000
3 hrs 3 cr.

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
prereq: MATH 15600prereq or coreq: MATH 25000
4 hrs 4 cr.

MATH 31100 - Abstract Algebra I

GER 3/B
Introduction to the theory of groups and rings.
prereq: MATH 26000
3 hrs 3 cr.

MATH 35100 - Mathematical Analysis I

GER 3/B
Rigorous treatment of foundations of calculus, including topology of real line and higher dimensional spaces. Basic results on continuous functions.
prereq: MATH 25000, 26000
3 hrs 3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

STAT 31100 - Probability Theory

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.
prereq: MATH 25000.
3 hrs 3 cr.
Additional Required Courses (33 credits)

**CSCI 13200 - Practical UNIX and Programming, with Lab**

GER 2/E
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition.
*This course cannot be counted towards the CSCI major.*
*prereq: none*
3 hrs 3 cr.

**CSCI 23200 - Relational Databases and SQL Programming, with Lab**

GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.
*Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.*
*prereq: CSCI 13200*
3 hrs 3 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 10200*
*coreq: CHEM 10400*
8 hrs (6 lab, 2 rec) 3 cr.
BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200. 
prereq: MATH 10100 or equivalent 
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only 

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300 coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

or

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 42500 - Computational Molecular Biology

GER 3/B
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of in silico biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and prediction of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting.
Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.
Mechanical Engineering

Science Courses

Mathematics

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*
4 hrs

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
*prereq: grade of C or better in MATH 15000*
4 hrs

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
*prereq: MATH 15500*
4 hrs

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
*prereq: MATH 25000*
3 hrs

Chemistry

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec)

CHEM 10400 - General Chemistry II
GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

Primarily for premed, medical laboratory sciences and science majors.

prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.

prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

Physics

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.

prereq: PHYS 11000 or 11100

prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.

prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 36000 - Atomic and Nuclear Physics for Engineers

Technical Drawing

Other Courses
English

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

*prereq: successful completion of developmental courses, if required
3 hrs + conf3 cr.*

Humanities and Social Sciences

- 3-4 courses*** 9-12

Economics

**ECO 20000 - Principles of Economics: Microeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

*prereq: MATH 10100 or exemption from the course
3 hrs3 cr.*

**ECO 20100 - Principles of Economics: Macroeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.

*prereq: MATH 10100 or exemption from the course
3 hrs3 cr.*

Media Studies - BA

(24 cr)

Students must receive a grade of B- or better in MEDIA 18000 to declare a major in Media Studies. The major must be declared in person with an undergraduate media studies adviser (call (212) 772-4949 to schedule).

In addition to MEDIA 18000, students must complete a total of 24 credits at the 200- or 300-level. At least 12 of these credits must be taken in the analytical segment of the curriculum (MEDIA, NOT MEDP courses).

FILMP 15000 and FILMP 16000 are prerequisites for all video production courses, but do not count toward major requirements. In certain cases, FILMP 16000 may be taken as a coreq instead of a prereq (see course descriptions for more information).

A maximum of 6 credits in film courses at the 200- or 300-level, 3 credits of which may be in production, may be applied toward the major in media studies. Students must meet any prerequisites for these courses. Courses in Independent Study, Honors Project, and Internship do not count toward the major. Students must consult a program adviser to plan choice and sequence of courses.
Note: We are currently making changes to the Media Studies major that may not be reflected in this catalog. Please visit [http://filmmedia.hunter.cuny.edu](http://filmmedia.hunter.cuny.edu) for updated information about the Media Studies Major.

**Double Majors**

Students may choose to complete a major in the Department of Film and Media Studies and a second major in another department. A student cannot declare a double major in film and media studies. Because of the intensive nature of the production courses in both Film and Media Studies, it is strongly recommended that all students take no more than two production courses per semester.

**Minor in Media Studies**

The Minor in Media Studies consists of five courses for a total of 15 credits. At least one 200-level course and at least one 300-level course are required. The other three courses can be at any level. Course prerequisites must be satisfied. Internships and independent studies do not count towards the minor.

**Honors**

To qualify for departmental honors in Film or Media Studies, a student must have a 3.5 grade point average in major courses and a 3.0 grade point average overall. The student must also either complete an Honors Project FILM 40200 or MEDIA 40200, approved by the Department Policy and Curriculum Committee, with a grade of A; or a 400-level production or analytical seminar course with a grade of A. See the department for more information.

**Music 25-Credit Major (BA)**

This degree is designed for students who want to study music in the context of a general liberal arts education, but who do not plan to pursue careers in music. It may also be convenient for students who enter Hunter with a large number of transfer credits in music. Requirements are:

**Music history:**

**MUSHL 20100 - Introduction to Music Research**

Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals, scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing issues specific to music.

*coreq: MUSHL 20500, or coreq: ENGL 12000
1 hr 1 cr.
s offered fall

**MUSHL 20500 - Music History I**

PD/D

For music majors. Survey of the history of music in the European tradition to 1600.

*prereq: elementary knowledge of music history and literature, demonstrated by dept. exam, coreq: MUSHL 20100 or coreq: MUSTH 22000, 23000, ENGL 12000, perm dept.*
MUSHL 20600 - Music History II (W)

PD/D
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600 to 1800.
prereq: MUSHL 20100, 20500, ENGL 12000
prereq or coreq: MUSTH 22100, 23100
3 hrs 3 cr.
offered fall

MUSHL 30500 - Music History III (W)

PD/D
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.
prereq: MUSHL 20600, MUSTH 22100, 23100
3 hrs 3 cr.
offered spring

Any other 3-credit MUSHL at the 300-level

Music theory:

MUSTH 22000 - Music Theory I

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.
prereq: ability to read music as demonstrated by dept. exam, perm dept.
coreq: MUSTH 23000
3 hrs 3 cr.
offered fall

MUSTH 22100 - Music Theory II

Continuation of MUSTH 22000.
prereq: MUSTH 22000
coreq: MUSTH 23100
3 hrs 3 cr.
offered spring

MUSTH 23000 - Musicianship I

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.
coreq: MUSTH 22000
3 hrs 2 cr.
offered fall

MUSTH 23100 - Musicianship II
Continuation of MUSTH 23000.

prereq: MUSTH 23000
coreq: MUSTH 22100
3 hrs 2 cr.
offered spring

Performance:

MUSPF 22100 - College Choir

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.
3 hrs 1 cr.

MUSPF 23100 - Hunter Symphony

Rehearsal and performance of orchestral works. May be taken 8 times.

prereq: audition, perm instr.
3 hrs 1 cr.

Piano Proficiency Requirement

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

Music 42-Credit Major (BA)

This degree is designed for students planning to pursue professional careers in music. It provides basic training in all areas of music and serves as a foundation for graduate study of any aspect of the field. Requirements are:

Music history:

MUSHL 20100 - Introduction to Music Research

Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals, scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing issues specific to music.

coreq: MUSHL 20500
prereq or coreq: ENGL 12000
1 hr 1 cr.
offered fall

MUSHL 20500 - Music History I

PD/D
For music majors. Survey of the history of music in the European tradition to 1600.

prereq: elementary knowledge of music history and literature, demonstrated by dept. exam
coreq: MUSHL 20100
or coreq: MUSTH 22000, 23000, ENGL 12000, perm dept.
3 hrs 3 cr.
offered fall

**MUSHL 20600 - Music History II (W)**

PD/D
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600 to 1800.

*prereq: MUSHL 20100, 20500, ENGL 12000 prereq or coreq: MUSTH 22100, 23100
3 hrs 3 cr.
offered spring

**MUSHL 30500 - Music History III (W)**

PD/D
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.

*prereq: MUSHL 20600, MUSTH 22100, 23100
3 hrs 3 cr.
offered fall

And any other 3-credit MUSHL course at the 300-level

**Music theory:**

**MUSTH 20100 - Introduction to Music Technology**

An introduction to basic music technology skills: music notation software, MIDI sequencing, and digital audio editing.

*prereq or coreq: prereqs: MUSTH 22000 and 23000, or perm dept.
1 hr 1 cr.
offered spring

**MUSTH 22000 - Music Theory I**

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

*prereq: ability to read music as demonstrated by dept. exam, perm dept. coreq: MUSTH 23000
3 hrs 3 cr.
offered fall

**MUSTH 22100 - Music Theory II**

Continuation of MUSTH 22000.

*prereq: MUSTH 22000 coreq: MUSTH 23100
3 hrs 3 cr.
offered spring

**MUSTH 23000 - Musicianship I**

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.
coreq: MUSTH 22000
3 hrs 2 cr.
offered fall

MUSTH 23100 - Musicianship II

Continuation of MUSTH 23000.
prereq: MUSTH 23000 coreq: MUSTH 22100
3 hrs 2 cr.
offered spring

MUSTH 32000 - Music Theory III

Intermediate-level study of melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.
prereq: MUSTH 20100, MUSTH 22100 coreq: MUSTH 33000
3 hrs 3 cr.
offered fall

MUSTH 33000 - Musicianship III

Sight singing, ear training, and keyboard drill on materials studied in corequisite course. Individual work in the
Computer Assisted Instruction facility.
prereq: MUSTH 23100 coreq: MUSTH 32000
3 hrs 2 cr.
offered fall

and any other 3-credit MUSTH course at the 300-level

Performance:

MUSPF 40100 - Individual Instruction in Instrument or Voice

Limited to the 42-credit BA music major, the 25-credit BA music major, the BA/MA music major and the music minor.
Audition demonstrating performance skills equivalent to New York State School Music Association (NYSSMA) level
2 or higher. Students must make their own arrangements with department-listed teachers to receive credit for this
course. Jury examination required. The jury examination following the second and subsequent semesters of private
lessons must demonstrate performance skills equivalent to NYSSMA level 4 or higher.
May be taken 8 times.
prereq: perm dept.
1 hr 1 cr.

2 credits in large ensembles

MUSPF 22100 - College Choir

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.
3 hrs 1 cr.

MUSPF 23100 - Hunter Symphony
Rehearsal and performance of orchestral works. May be taken 8 times.

*prereq: audition, perm instr.*

3 hrs 1 cr.

2 credits in performance electives

**MUSPF 22100 - College Choir**

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.

3 hrs 1 cr.

**MUSPF 23100 - Hunter Symphony**

Rehearsal and performance of orchestral works. May be taken 8 times.

*prereq: audition, perm instr.*

3 hrs 1 cr.

**MUSPF 24900 - Jazz Ensemble**

Open to all instrumentalists by audition. Study and performance of popular forms of music, including dance, jazz, and musical comedy. May be taken 6 times.

2 hrs 1 cr.

**MUSPF 25000 - Popular Music Combo**

Study and performance within a small ensemble context of the popular music genres, such as Pop, Rock, Hip-Hop, R & B, Country/Bluegrass, and Jazz. May be taken 6 times.

*prereq or coreq: prereqs: audition, perm dept.*

2 hrs 1 cr.

**MUSPF 25100 - Jazz Vocal Workshop Ensemble**

Jazz performance and improvisation. May be taken 6 times.

*prereq: MUSPF 11100 or 21100 or 40100 in Voice, and audition*

2 hrs 1 cr.

**MUSPF 35300 - Chamber Singers**

Study and public performance of solo and chamber chorus works from all musical eras. May be taken 6 times.

*prereq: audition, perm instr.*

2 hrs 1 cr.

**MUSPF 35500 - Chamber Music Workshop**

Rehearsal and public performance of instrumental chamber works. May be taken 6 times.

*prereq: audition, perm instr.*

2 hrs 1 cr.
MUSPF 36500 - Topics in Piano Performance

Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

May be taken 4 times.
Coreq: MUSPF 40100 or 43100
2 hrs 1 cr.

MUSPF 36900 - Topics in Vocal Performance

Seminar in performance for advanced voice students, focusing on a different topic each semester. The seminar will involve study and performance of representative works of vocal repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

May be taken 4 times.
Prereq: ENGL 12000
Coreq: MUSPF 40100 or 43100
2 hrs 1 cr.

MUSPF 40100 - Individual Instruction in Instrument or Voice

Limited to the 42-credit BA music major, the 25-credit BA music major and the music minor. Audition demonstrating performance skills equivalent to New York State School Music Association (NYSSMA) level 2 or higher. Students must make their own arrangements with department-listed teachers to receive credit for this course. Jury examination required. The jury examination following the second and subsequent semesters of private lessons must demonstrate performance skills equivalent to NYSSMA level 4 or higher.

May be taken 8 times.
Prereq: perm dept.
1 hr 1 cr.

Electives:

- 4 credits in music courses above the 100-level

Piano Proficiency Requirement

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

Option in Social Studies within the Geography Major for Adolescent Education Teachers

Return to: Geography - BA

In cooperation with the School of Education, the Department of Geography provides opportunities for students to prepare for a career in teaching social studies in grades 7 – 12. In addition to mandatory course work provided by the School of Education, interested students must complete the course of study outlined below. At least 18 credits of these
courses or equivalents must be satisfactorily completed (grade of C or better) before the student enrolls in the social studies methods courses. Refer to the catalog section specific to programs in the School of Education.

Transfer students who enter Hunter College with more than 90 credits or who will exceed 90 credits in completing the prerequisites for this option in the Geography major, cannot apply for the Adolescent Education program of the School of Education. They may still complete this option within the Geography major but must complete a Master of Arts degree in Adolescent Education before certification as a New York State teacher. While New York State recognizes the regular major in Geography for certification in Childhood Education, students interested in becoming certified as Social Studies- Adolescent Education teachers in New York State must complete this interdisciplinary course of study.

Prerequisites for the Major 9 credits

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War. *Courses at the 300-level and above not offered to freshmen.*

Prereq or coreq: ENGL 12000
3 hrs 3 cr.

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present. *Courses at the 300-level and above not offered to freshmen.*

Prereq or coreq: ENGL 12000
3 hrs 3 cr.

**GEOG 15000 - World Regional Geography**

GER 2/B PD/A or D
A survey of the world’s major regions. Geographic concepts and principles are used to study the physical, economic, social and political conditions and problems in the culturally diverse world. Spatial expression of culture; specialized behavior patterns; adaptations and way of life in distinct environments. Regional interdependence; implications for development.

Prereq: ENGL 12000
3 hrs 3 cr.

*Offered fall and spring*

Requirements for the Major 36 credits

**ECO 10000 - Introduction to Economics**

GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics. *Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.*

3 hrs 3 cr.
**GEOG 24100 - Population Geography**

GER 3/B PD/B or C

Course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.

**prereq:** GEOG 10100 or GEOG 15000 or perm instr.

3 hrs 3 cr.

**GEOG 25100 - Geography of the United States and Canada**

GER 2/B

Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges.

**prereq:** GEOG 10100 or GEOG 15000 or perm instr.

3 hrs 3 cr.

**HIST 11100 - World History to 1500**

GER 2/B PD/A

The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional connections; the spread of civilization across the globe.

*Courses at the 300-level and above not offered to freshmen.*

3 hrs 3 cr.

**HIST 11200 - World History from 1500 to the Present**

GER 2/B

The transition from relatively isolated individual cultures to an interrelated global network; the impact of the democratic and scientific revolutions; the development of nationalism and internationalism among the nations of the world.

*Courses at the 300-level and above not offered to freshmen.*

3 hrs 3 cr.

1. Required courses (18 cr.)

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B

Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

**prereq or coreq:** ENGL 12000 or its equivalent

3 hrs 3 cr.
ECO 10000 - Introduction to Economics

GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics. 
Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.
3 hrs3 cr.

GEOG 24100 - Population Geography

GER 3/B PD/B or C
Course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.
prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs3 cr.

GEOG 25100 - Geography of the United States and Canada

GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges
prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs3 cr.

HIST 11100 - World History to 1500

GER 2/B PD/A
The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional connections; the spread of civilization across the globe.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 11200 - World History from 1500 to the Present

GER 2/B
The transition from relatively isolated individual cultures to an interrelated global network; the impact of the democratic and scientific revolutions; the development of nationalism and internationalism among the nations of the world.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

2. One 3-credit course in cultural anthropology (ANTHC) or Sociology (3 cr)
• One 3-credit course in cultural anthropology (ANTHC) or Sociology (SOC) selected with approval of the Geography Undergraduate Adviser.

3. Elective Courses in History (6 credits)

• Any two 3-credit 300-level courses in history with approval of the Geography Undergraduate Adviser.

4. Elective Courses in Geography (9 credits, at least 6 credits at the 300-level)

GEOG 27000 - Regional Geography of Mexico, Central America and the Caribbean

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Mexico, Central America and West Indies.
3 hrs 3 cr.

GEOG 27100 - Regional Geography of South America

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of South America.
3 hrs 3 cr.

GEOG 27500 - Regional Geography of Sub-Saharan Africa

GER 3/B PD/A
Analysis of the relationship of natural environment to economic, social and political life of Africa south of Sahara.
3 hrs 3 cr.

GEOG 27700 - Regional Geography of East Asia

GER 3/B PD/A
Analysis of East Asia's potentials in terms of natural resources, population, industry and agriculture, with emphasis on China.
3 hrs 3 cr.

GEOG 27800 - Regional Geography of Russia and Central Asia

GER 3/B PD/A or D
Analysis of the relationship of the natural environment to economic, social and political life of Russia, the former Soviet republics of Central Asia and Mongolia.
3 hrs 3 cr.

GEOG 32800 - Urban Environmental Problems: Evaluations and Solutions

GER 3/B
Open to Jr/Sr only. The special environmental problems of urban and metropolitan areas will be studied, including water supplies, waste management, environmental impact and waterfront use. Natural physical processes,
methodologies and techniques will be reviewed and applied to decision making. Transportation fee for field work may be required.

**GEOG 34100 - Urban Geography**

GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.

**prereq:** GEOG 101 or GEOG 150 or URBS 101 and Jr/Sr standing

3 hrs 3 cr.

**GEOG 34200 - Geography of International Migration and Ethnicity**

GER 3/B PD/B
Quantitative and qualitative examination of historic and contemporary international migration patterns. Spatial demographic impacts of immigration policy in the United States with a focus on major urban centers. Comparative analysis of ethnic and racial minorities in the United States.

**prereq:** GEOG 24100 or perm instr.

3 hrs 3 cr.

**GEOG 34700 - Cultural Geography**

GER 3/B
This course provides an overview of the field of cultural geography. It will cover the basics as well as recent developments in social and cultural geographic theory. The main focus is to understand relationships between cultures and environments through geographical analyses of processes, landscapes, and identities.

Open to Jr/Sr only.

**prereq:** GEOG 10100 or GEOG 15000 or perm instr.

3 hrs 3 cr.

**GEOG 35700 - Geography of New York City and Vicinity**

GER 3/B
Informed immersion in NYC is the main objective of this course. Students will learn by exploration and observation more than by media. The city is the laboratory to complement readings, lectures and discussion. Students will emerge from this class with an enhanced appreciation of the entire city. Study assignments include keeping a journal of walking assignments as well as readings. Field work will focus on the five boroughs of New York City. (Students with difficulties in walking or using public transportation or who have phobias regarding unfamiliar neighborhoods should consider this before registering.)

Open to Jr/Sr only.

**prereq:** GEOG 10100

3 hrs 3 cr.

Offered fall.

**GEOG 38000 - Seminar in Geographic Concepts and Methodology**

GER 3/B
An investigation of the evolution, conceptual framework, and methodological approaches of modern geography.
Course goals are: increase student competence and marketability as a teacher; review content of geography with teaching in mind; share strategies, ideas activities (as befits a seminar course); familiarization with national and state standards; develop and acquire appropriate classroom-ready materials; acquire a classroom-ready photo collection; explore links to other subjects; and develop appropriate bibliographies of children’s literature and websites.

**Option in Social Studies within the Geography Major for Childhood Education Teachers**

In cooperation with the School of Education, the Department of Geography provides opportunities for students to prepare for a career in teaching in grades 1-6. Students may choose to complete the Geography - BA, in addition to successful completion of the QUEST program. Interested students may also choose to complete the course of study outlined below. The option in Social Studies for Childhood Education is available only to students who are accepted into the QUEST program.

Students not accepted to the QUEST program, or students not eligible to apply to the QUEST program, should complete the traditional Geography major outlined above. They must complete a Master of Arts degree in Childhood Education before being certified as a New York State teacher.

**Program Prerequisites (9 credits)**

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.

Courses at the 300-level and above not offered to freshmen.

*prereq or coreq: ENGL 12000*

3 hrs3 cr.

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.

Courses at the 300-level and above not offered to freshmen.

*prereq or coreq: ENGL 12000*

3 hrs3 cr.

**GEOG 15000 - World Regional Geography**

GER 2/B PD/A or D
A survey of the world’s major regions. Geographic concepts and principles are used to study the physical, economic, social and political conditions and problems in the culturally diverse world. Spatial expression of culture; specialized behavior patterns; adaptations and way of life in distinct environments. Regional interdependence; implications for development.

*prereq: ENGL 12000*

3 hrs3 cr.

*Offered fall and spring*
Requirements for the Major (30 credits)

Required Courses (18 credits)

**HIST 11100 - World History to 1500**

GER 2/B PD/A  
The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional connections; the spread of civilization across the globe.  
*Courses at the 300-level and above not offered to freshmen.*  
3 hrs 3 cr.

**HIST 11200 - World History from 1500 to the Present**

GER 2/B  
The transition from relatively isolated individual cultures to an interrelated global network; the impact of the democratic and scientific revolutions; the development of nationalism and internationalism among the nations of the world.  
*Courses at the 300-level and above not offered to freshmen.*  
3 hrs 3 cr.

**GEOG 24100 - Population Geography**

GER 3/B PD/B or C  
The course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.  
*prereq: GEOG 10100 or GEOG 15000 or perm instr.*  
3 hrs 3 cr.

**GEOG 25100 - Geography of the United States and Canada**

GER 2/B  
The course seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges.  
*prereq: GEOG 10100 or GEOG 15000 or perm instr.*  
3 hrs 3 cr.

**GEOG 26000 - Geography of New York State**

GER 2/B  
The goals of the course are to learn about the geography of New York State – its physical environment, the distribution of its people and their activities, and the interrelationships between the people and the environment in NYS. and to apply geographic principles and reasoning to a real world situation where NYS is used as an example of regional...
analysis; and to explore, navigate through, and use the geographic information available on the Internet, especially the information provided by the State of New York. For those in the education sequence an addition goal is to gather and use information about NYS within the guidelines of the National Geography Standards for presentation at a grade-specific level.

prereq: GEOG 10100 or GEOG 15000 or perm instr.

3 hrs 3 cr.

POLSC 11000 - American Government: A Historical Introduction (W)

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

2. Elective Courses in Geography (6 credits)

Choose any two of the following:

GEOG 34100 - Urban Geography

GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.

prereq: GEOG 101 or GEOG 150 or perm instr, Jr/Sr only
3 hrs 3 cr.

GEOG 34200 - Geography of International Migration and Ethnicity

GER 3/B PD/B
Quantitative and qualitative examination of historic and contemporary international migration patterns. Spatial demographic impacts of immigration policy in the United States with a focus on major urban centers. Comparative analysis of ethnic and racial minorities in the United States.

prereq: GEOG 24100 or perm instr.
3 hrs 3 cr.

GEOG 34700 - Cultural Geography

GER 3/B
This course provides an overview of the field of cultural geography. It will cover the basics as well as recent developments in social and cultural geographic theory. The main focus is to understand relationships between cultures and environments through geographical analyses of processes, landscapes, and identities.

Open to Jr/Sr only.
prereq: GEOG 10100 or GEOG 15000 or perm instr,
3 hrs 3 cr.

GEOG 35700 - Geography of New York City and Vicinity
Informed immersion in NYC is the main objective of this course. Students will learn by exploration and observation more than by media. The city is the laboratory to complement readings, lectures and discussion. Students will emerge from this class with an enhanced appreciation of the entire city. Study assignments include keeping a journal of walking assignments as well as readings. Field work will focus on the five boroughs of New York City. (Students with difficulties in walking or using public transportation or who have phobias regarding unfamiliar neighborhoods should consider this before registering.)

Open to Jr/Sr only.

pre requisite: GEOG 10100

3 hrs 3 cr.

Offered fall.

**GEOG 38000 - Seminar in Geographic Concepts and Methodology**

GER 3/B

An investigation of the evolution, conceptual framework, and methodological approaches of modern geography.

Course goals are: increase student competence and marketability as a teacher; review content of geography with teaching in mind; share strategies, ideas activities (as befits a seminar course); familiarization with national and state standards; develop and acquire appropriate classroom-ready materials; acquire a classroom-ready photo collection; explore links to other subjects; and develop appropriate bibliographies of children’s literature and websites.

pre requisite: perm instr.

3 hrs 3 cr.

3. Elective Courses in History (6 credits)

Any two 3-credit 300-level courses in history with approval of the Geography Undergraduate Adviser.

**Philosophy - BA**

**Major**

The Philosophy Department offers two concentrations: 1) the Standard concentration and 2) the concentration in Philosophy, Politics and Society (PPS).

**Standard Concentration**

**Prerequisite**

One of the following:

**PHILO 10100 - Introduction to Philosophy**

GER 2/C

Examination of basic philosophical questions through study of selected philosophical classics.

3 hrs 3 cr.

offered each semester

-or-

- or -
PHILO 10300 - Introduction to Logic and Critical Thinking

GER 2/C
Recognizing arguments; traditional logic including concepts, propositions, categorical, hypothetical and disjunctive syllogisms; argument structure, natural language argumentation, fallacies.
3 hrs3 cr.
offered each semester

-or-

PHILO 10400 - Introduction to Ethics

GER 2/C
Examination of standards of right conduct and the good life through study of selected philosophical classics.
3 hrs3 cr.
offered each semester

-or-

PHILO 10600 - Philosophy, Politics and Society

GER 2/C PD/D
Introduction to social and political philosophy.
3 hrs3 cr.
offered each semester

Macaulay Honors students may take either

PHILO 20300 - Great Philosophers: Ancient and Medieval

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the dawn of philosophy in ancient Greece to the time of the Renaissance.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

-or-

PHILO 20400 - Great Philosophers: Modern and Contemporary

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the rise of modern philosophy in the 17th century to the present.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

Note:

None of these courses counts toward the major requirements, though any one is a prerequisite for declaring a major.

The Standard Concentration

consists of 30 credits distributed as follows:
1. 3 cr. in logic:

**PHILO 17100 - Introduction to Symbolic Logic**

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.

3 hrs 3 cr.

2. 9 cr. in history of philosophy:

**PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)**

GER 3/A PD/D

Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs 3 cr.

**PHILO 21500 - Foundations of Modern Philosophy (W)**

GER 3/A PD/D

Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs 3 cr.

**PHILO 21800 - Revolutions in Modern Philosophy (W)**

GER 3/A PD/D

Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs 3 cr.

3. 3 cr. in ethics, politics and aesthetics:

any course from

**PHILO 24400 - Moral Philosophy (W)**

GER 3/A

Study of selected problems in philosophical ethics and moral psychology.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs 3 cr.

**PHILO 24600 - Political Philosophy (W)**

GER 3/B

Study of selected philosophical problems in politics, law, economics and society.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 25800 - Aesthetics (W)

GER 3/A
Study of philosophical issues that arise in our understanding and criticism of the arts. Topics include nature of expression, purpose and standards of criticism and aesthetic value.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

4. 3 cr. in metaphysics and epistemology:

any course from

PHILO 36000 - Metaphysics (W)

GER 3/A
Study of major metaphysical views, such as materialism, idealism, nominalism and realism. The major question is: What is reality and how may it be known?
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 36200 - Theory of Knowledge (W)

GER 3/A
Study of origin, structure, methods and foundations of human knowledge.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 36400 - Philosophy of Language (W)

GER 3/A
Inquiry into the philosophical significance of language, its structure, meaning, reference and use.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 36600 - Philosophy of Mind (W)

GER 3/A
Examination of the concept of mind and the person. Topics include thinking, intention, consciousness, supervenience, emotion, self-knowledge.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 37900 - Philosophy of Science (W)

GER 3/B
Study of foundations of knowledge in natural and social sciences.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

5. 3 cr. in the intensive study of a major philosopher:

any course from

PHILO 38000 - Plato (W)

GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs 4 cr

PHILO 38100 - Aristotle (W)

GER 3/A
Close study of Aristotle's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38200 - Major Figure in Medieval Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the Middle Ages such as Augustine, Averroes, Maimonides, or Aquinas. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38400 - Kant (W)

GER 3/A
A study of some of Kant's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38500 - Plotinus (W)

GER 3/A
A study of the background, writings and legacy of Plotinus.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38600 - Hegel (W)

GER 3/A
Study of some of Hegel's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38700 - Nietzsche (W)

GER 3/A
Study of Nietzsche's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38800 - Wittgenstein (W)

GER 3/A
Development of Wittgenstein's thought through intensive study of his major works.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38900 - Heidegger (W)

GER 3/A
Detailed study of the central themes in Being and Time and their development in his later essays.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 39000 - Marx (W)

GER 3/A
Study of some of Marx's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

6. 9 additional cr.

- Chosen in consultation with an adviser. Students are required to select at least one course (3 cr.) at the 300-level. Also they are encouraged to select courses that acquaint them with philosophic traditions other than the dominant Western ones.

Concentration in Philosophy, Politics and Society

Prerequisite

Students are encouraged to take
PHILO 10600 - Philosophy, Politics and Society

GER 2/C PD/D
Introduction to social and political philosophy.
3 hrs 3 cr.
offered each semester

Macaulay Honors students may take either

PHILO 20300 - Great Philosophers: Ancient and Medieval

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the dawn of philosophy in ancient Greece to the time of the Renaissance.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.
-or-

PHILO 20400 - Great Philosophers: Modern and Contemporary

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the rise of modern philosophy in the 17th century to the present.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

Note:

None of these courses counts toward the major requirements.

The concentration in Philosophy, Politics and Society

consists of 30 credits distributed as follows:

9 credits in history of philosophy

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.
PHILO 21800 - Revolutions in Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

3 credits in political philosophy

PHILO 24600 - Political Philosophy (W)

GER 3/B
Study of selected philosophical problems in politics, law, economics and society.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

3 credits in social philosophy

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

-or-

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

3 credits in the intensive study of a major philosopher, preferably concerning their political and/or social ideas,

for example

PHILO 38000 - Plato (W)

GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs 4 cr

PHILO 38100 - Aristotle (W)
GER 3/A
Close study of Aristotle's major writings.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.*
3 hrs3 cr.

**PHILO 38300 - Major Figure in Early Modern Philosophy (W)**

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.*
3 hrs3 cr.

**PHILO 38400 - Kant (W)**

GER 3/A
A study of some of Kant's major writings.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.*
3 hrs3 cr.

**PHILO 38600 - Hegel (W)**

GER 3/A
Study of some of Hegel's major writings.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.*
3 hrs3 cr.

**PHILO 38700 - Nietzsche (W)**

GER 3/A
Study of Nietzsche's major writings.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.*
3 hrs3 cr.

**PHILO 39000 - Marx (W)**

GER 3/A
Study of some of Marx's major writings.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.*
3 hrs3 cr.

3 credits in the study of recent issues in political and social philosophy

**PHILO 34600 - Justice in Contemporary Society (W)**

GER 3/B
A study of concepts of justice developed in the 20th century and their relevance to problems of contemporary society, such as social welfare, property rights and democratic government.
9 credits in electives

chosen from 200- and 300-level PHIL courses (excluding PHILO 20300 and PHILO 20400, but including PHILO 17100); 6 credits of this requirement may be taken from the nondepartmental courses listed below. It is also recommended that 3 credits be taken on philosophical approaches to class, race, or gender; the following philosophy courses satisfy this recommendation: PHILO 22000 - Radical Philosophy (W), PHILO 22600 - African-American Philosophy (W), or PHILO 23000 - Feminism: Philosophical Theory and Practice (W)

Nondepartmental courses to satisfy elective requirement

**AFPRL 40100 - Pan-Africanism**

GER 3/B
Seminar traces development of Pan-Africanism through the 20th century.
*Not open to freshmen.*
*prereq: AFPRL 20200 or 20400 or 20600*
*3 hrs3 cr.*

**AFPRL 40200 - African American Political Thought**

GER 3/B
Comparative theorists; methods and ideological currents.
*prereq: AFPRL 20300 or 20400 or 20500*
*3 hrs3 cr.*

**HIST 33100 - European Culture in the 16th, 17th and 18th Centuries (W)**

GER 3/B
The impact of the Reformation, Counter-Reformation, the Scientific Revolution and related movements.
*Courses at the 300-level and above not offered to freshmen.*
*prereq or coreq: ENGL 12000*
*3 hrs3 cr.*

**HIST 33200 - Modern Culture from the 18th to the 20th Centuries**

GER 3/B
From the impact of the Scientific Revolution and the Enlightenment to recent literature, art, religion and science. European political and social thought.
*Courses at the 300-level and above not offered to freshmen.*
*3 hrs3 cr.*

**POLSC 20100 - Ancient to Early Modern Political Thought (W)**

GER 3/B PD/D
The study of selected writers from the ancient Greeks to the Renaissance (e.g., Plato to Machiavelli), focusing on the political dimensions of such ideas as rationality, virtue, community, human nature and historical change.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 20200 - Modern Political Thought (1600-1900) (W)

GER 3/B PD/D
The study of selected political writers (e.g., Hobbes to Nietzsche), with special emphasis given to the nature of and problems with, liberty, equality and justice in modern societies and states.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 20300 - Political Thought Since 1900 (W)

GER 3/B PD/D
Exploration of concepts and thinkers in political theory since 1900. Topics include such traditional issues of political theory as the nature and scope of political regimes, justice, equality and changing concepts of human nature.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 20400 - Contemporary Issues in Political Theory

GER 3/B
Topics vary each semester. They have included democracy in America, totalitarianism, liberty and authority.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 20900 - Women and Gender in Western Political Thought (W)

GER 3/B PD/C or D
Examines history of political thought from the perspective of gender relations and the treatment of women.
cross-listed WGS 20900 (W)
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 30100 - American Political Thought (W)

GER 3/B
Examination of ideas that have shaped American politics from the Revolution to the present, including Federalists and Anti-Federalists, Progressivism and responses to industrialization and recent debates over the welfare state, political inclusion and democracy.
prereq: ENGL 12000 or its equivalent; one course in political theory or perm. instr.
3 hrs 3 cr.

POLSC 30400 - Contemporary Issues in Political Theory

GER 3/B
Selected topics in political theory.
prereq: ENGL 12000 or its equivalent; one course in political theory subfield or perm instr
3 hrs 3 cr.
POLSC 30500 - Democratic Theory (W)

GER 3/B
A critical survey of different conceptions of democracy: issues include democracy as a political order, democracy and 'non-political' forms of life (e.g., business, family, religion), toleration, political representation, democracy and justice.

*prereq or coreq: ENGL 12000 or its equivalent; one course in political theory or perm instr.*

3 hrs 3 cr.

POLSC 30900 - Feminist Political Theory (W)

GER 3/B PD/C
Readings in feminist ideas, both historical and contemporary, on issues of power, justice and equality. The course will emphasize different perspectives, including those of liberal, radical, postmodernist, women of color, third world and 'global' feminists.

*cross-listed WGS 30900 (W)*

*prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.*

3 hrs 3 cr.

POLSC 31100 - Utopian Theory (W)

GER 3/B
Political theorists often imagine ideal worlds, both to explore ideals and to criticize political realities. This course will explore utopias and dystopias as theories that explore political possibilities and challenge existing realities.

*prereq: ENGL 12000 or its equivalent; one course in political theory or perm dept.*

3 hrs 3 cr.

POLSC 31600 - Political Theory of Human Rights (W)

GER 3/B
A critical analysis of the intersection of academic and practical discourse of human rights with the central concerns of political theory, particularly as it engages relationships between ethics and power as well as theory and practice.

*prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.*

3 hrs 3 cr.

SOC 22100 - Classical Sociological Theory

GER 3/B PD/D
Classical theorists and their contributions.

*prereq: SOC 10100*

3 hrs 3 cr.

SOC 22300 - Current Sociological Theory

GER 3/B
Significance of concepts and nature of evidence applied to leading theories. Theory construction.

*prereq: SOC 10100, SOC 22100, major*

3 hrs 3 cr.

Elective courses recommended for students with particular interests
Elective credits should be carefully chosen to focus students’ programs on their present interests and future needs. The following courses are recommended for students with particular interests.

**Graduate study in philosophy**

**PHILO 17100 - Introduction to Symbolic Logic**

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.

3 hrs3 cr.

**PHILO 24400 - Moral Philosophy (W)**

GER 3/A

Study of selected problems in philosophical ethics and moral psychology.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs3 cr.

**Admission to law school**

**PHILO 17100 - Introduction to Symbolic Logic**

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.

3 hrs3 cr.

**PHILO 24400 - Moral Philosophy (W)**

GER 3/A

Study of selected problems in philosophical ethics and moral psychology.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs3 cr.

**Careers in public administration**

**PHILO 25000 - Problems of Ethics and Society (W)**

GER 3/B

Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs3 cr.

**Careers in foreign service**

**PHILO 24800 - International Ethics (W)**

GER 3/B

Study of the ethical dimensions of problems in contemporary international relations, such as war and peace,
imperialism, national identity and development.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

**POLSC 31600 - Political Theory of Human Rights (W)**

GER 3/B
A critical analysis of the intersection of academic and practical discourse of human rights with the central concerns of political theory, particularly as it engages relationships between ethics and power as well as theory and practice.
*prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.*
3 hrs 3 cr.

An additional course relating philosophy to international relations

Careers in social welfare

**PHILO 25000 - Problems of Ethics and Society (W)**

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

**SOC 22100 - Classical Sociological Theory**

GER 3/B PD/D
Classical theorists and their contributions.
*prereq: SOC 10100*
3 hrs 3 cr.

**SOC 22300 - Current Sociological Theory**

GER 3/B
Significance of concepts and nature of evidence applied to leading theories. Theory construction.
*prereq: SOC 10100, SOC 22100, major*
3 hrs 3 cr.

**Note:**

*Certain new, ad hoc, or independent study courses may be taken in partial satisfaction of requirements listed above, if they are approved by the Philosophy, Politics and Society major concentration adviser.*

**Minors in Philosophy**

Students may declare an optional minor in Philosophy (the Standard concentration) or a minor in the Philosophy, Politics, Society concentration. In either case a minor in philosophy is comprised of 12 credits at the 200-level or above, including no fewer than 3 credits at the 300-level. Exceptions: PHILO 17100 may count toward the minor at the 200-level; and PHILO 20300 and PHILO 20400 shall not count. PHILO 20300 and 20400 are excluded from counting toward the minor, because they are, albeit advanced, introductory courses. A student must pass a minor in philosophy with a minimum GPA of 3.00.
When constructing a philosophy minor in either the standard or the PPS concentration, a student should always consult with a philosophy department advisor beforehand.

The Standard Minor

Students should follow their interests in choosing the courses taken to satisfy the minor. Usually this will involve choosing courses related to the student’s major. Ideally the minor will allow the student to study the philosophical issues associated with a field or period of history in increasing depth. Some suggested tracks are listed below:

Logic and Mathematics

four of

PHILO 17100 - Introduction to Symbolic Logic

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.
3 hrs 3 cr.

PHILO 27500 - Intermediate Symbolic Logic

GER 3/B
Sentential derivations, interpretations, symbolizations involving operator symbols, identity, definite descriptions, predicate derivations through logic of identity and definite descriptions.
cross-listed MATH 27500
prereq: PHIL 17100
3 hrs 3 cr.

PHILO 27900 - Inductive Logic

GER 3/B
Deductive vs. inductive logic, basic forms of inductive inference, Mill's methods and controlled experiments, the probability calculus, interpretations of probability, the problem of induction, confirmation and disconfirmation of hypotheses.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 36400 - Philosophy of Language (W)

GER 3/A
Inquiry into the philosophical significance of language, its structure, meaning, reference and use.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 37500 - Advanced Symbolic Logic

GER 3/B
A survey of the central results and techniques of meta-logic, principally mathematical induction, the soundness and completeness of theorems for first-order logic, the Skolem theorem and Church's theorem on undecidability.
prereq: PHIL 27500 or equiv.
3 hrs 3 cr.

PHILO 37600 - Philosophy of Mathematics (W)

GER 3/B
Study of such issues as the nature of demonstration or proof and the nature of mathematical knowledge and mathematical objects such as numbers and sets. cross-listed with MATH 376.
prereq: ENGL 12000; one PHIL course and one PHIL or MATH course (precalculus or beyond)
3 hrs 3 cr.

Natural and Social Sciences

four of

PHILO 17100 - Introduction to Symbolic Logic

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.
3 hrs 3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 26800 - Philosophical Psychology (W)

GER 3/B
Views of human nature underlying some major contemporary schools of psychology, such as Freudian psychoanalysis, behaviorism, existential psychoanalysis, Piaget's developmental psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 27000W - Philosophy, Science and Culture

GER 3/B
Issues relating to the impact of modern science on philosophy, religion and culture.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 27500 - Intermediate Symbolic Logic

GER 3/B
Sentential derivations, interpretations, symbolizations involving operator symbols, identity, definite descriptions, predicate derivations through logic of identity and definite descriptions.
cross-listed MATH 27500
PHILO 27900 - Inductive Logic

GER 3/B
Deductive vs. inductive logic, basic forms of inductive inference, Mill's methods and controlled experiments, the probability calculus, interpretations of probability, the problem of induction, confirmation and disconfirmation of hypotheses.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 37500 - Advanced Symbolic Logic

GER 3/B
A survey of the central results and techniques of meta-logic, principally mathematical induction, the soundness and completeness of theorems for first-order logic, the Skolem theorem and Church's theorem on undecidability.

prereq: PHIL 27500 or equiv.
3 hrs3 cr.

PHILO 37900 - Philosophy of Science (W)

GER 3/B
Study of foundations of knowledge in natural and social sciences.

prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

Psychology and Mind

four of

PHILO 20100 - Knowledge and Reality (W)

GER 3/A PD/D
Study of main problems of theory of knowledge and metaphysics such as personal identity, grounds of justified belief, existence of God, nature of free will and causality.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley
PHILO 26800 - Philosophical Psychology (W)

GER 3/B
Views of human nature underlying some major contemporary schools of psychology, such as Freudian psychoanalysis, behaviorism, existential psychoanalysis, Piaget's developmental psychology.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 36600 - Philosophy of Mind (W)

GER 3/A
Examination of the concept of mind and the person. Topics include thinking, intention, consciousness, supervenience, emotion, self-knowledge.

prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

Cognitive Psychology

four of

PHILO 20100 - Knowledge and Reality (W)

GER 3/A PD/D
Study of main problems of theory of knowledge and metaphysics such as personal identity, grounds of justified belief, existence of God, nature of free will and causality.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 26800 - Philosophical Psychology (W)

GER 3/B
Views of human nature underlying some major contemporary schools of psychology, such as Freudian psychoanalysis, behaviorism, existential psychoanalysis, Piaget's developmental psychology.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 36200 - Theory of Knowledge (W)
GER 3/A
Study of origin, structure, methods and foundations of human knowledge.
preq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 37900 - Philosophy of Science (W)

GER 3/B
Study of foundations of knowledge in natural and social sciences.
preq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
preq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38400 - Kant (W)

GER 3/A
A study of some of Kant's major writings.
preq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

English and the Arts
four of

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
preq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21800 - Revolutions in Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.
preq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22800 - Existentialism (W)
GER 3/A PD/D
Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 24400 - Moral Philosophy (W)

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25600 - Philosophical Ideas in Literature (W)

GER 3/A
Analysis of major philosophical themes in some classics of world literature.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25800 - Aesthetics (W)

GER 3/A
Study of philosophical issues that arise in our understanding and criticism of the arts. Topics include nature of expression, purpose and standards of criticism and aesthetic value.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 38000 - Plato (W)

GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs4 cr

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38600 - Hegel (W)

GER 3/A
Study of some of Hegel's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.
PHILO 38700 - Nietzsche (W)

GER 3/A
Study of Nietzsche's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

History of the modern world

four of

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21800 - Revolutions in Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22000 - Radical Philosophy (W)

GER 3/A PD/D
Study of 20th-century philosophers who were critical of industrial capitalist society, such as Lukc's and Marcuse, along with their historical precursors, including Rousseau and Marx.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22500 - American Philosophy (W)

GER 3/A PD/D
Historical survey of major American philosophers such as Edwards, Emerson, Thoreau, Peirce, James, Royce, Santayana and Dewey.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22600 - African-American Philosophy (W)

GER 3/A PD/B
Development of the African-American intellectual tradition. Study of the work of such figures as Equiano, Douglass, Cooper, Blyden, Du Bois and Hurston.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.
PHILO 22800 - Existentialism (W)

GER 3/A PD/D
Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.
 prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 24600 - Political Philosophy (W)

GER 3/B
Study of selected philosophical problems in politics, law, economics and society.
 prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
 prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
 prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
 prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38400 - Kant (W)

GER 3/A
A study of some of Kant's major writings.
 prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38600 - Hegel (W)
GER 3/A
Study of some of Hegel's major writings.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38700 - Nietzsche (W)

GER 3/A
Study of Nietzsche's major writings.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38800 - Wittgenstein (W)

GER 3/A
Development of Wittgenstein's thought through intensive study of his major works.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38900 - Heidegger (W)

GER 3/A
Detailed study of the central themes in Being and Time and their development in his later essays.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 39000 - Marx (W)

GER 3/A
Study of some of Marx's major writings.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

History of the classical and medieval world

four of

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
*prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21400 - Medieval Philosophy (W)

GER 3/A PD/D
Study of major writings by medieval Arabic, Christian and Jewish philosophers such as Averroes, Aquinas and Maimonides.
prereq: ENGL 12000 and one previous course in philosophy.  
3 hrs 3 cr.

PHILO 22300 - Neoplatonism (W)

GER 3/A PD/D  
A study of the main thinkers and ideas in ancient and medieval Neoplatonism, emphasizing Plotinus and Augustine.  
prereq: ENGL 12000 and one previous course in philosophy.  
3 hrs 3 cr.

PHILO 38000 - Plato (W)

GER 3/A  
Close study of major Platonic dialogues.  
prereq: Two courses in philosophy, at least one of which is at the 200 level.  
4 hrs 4 cr

PHILO 38100 - Aristotle (W)

GER 3/A  
Close study of Aristotle's major writings.  
prereq: Two courses in philosophy, at least one of which is at the 200 level.  
3 hrs 3 cr.

PHILO 38200 - Major Figure in Medieval Philosophy (W)

GER 3/A  
A study of the works and legacy of one of the major philosophers of the Middle Ages such as Augustine, Averroes, Maimonides, or Aquinas. The course may be repeated as different figures are offered.  
prereq: Two courses in philosophy, at least one of which is at the 200 level.  
3 hrs 3 cr.

PHILO 38500 - Plotinus (W)

GER 3/A  
A study of the background, writings and legacy of Plotinus.  
prereq: Two courses in philosophy, at least one of which is at the 200 level.  
3 hrs 3 cr.

American history or culture

four of

PHILO 22500 - American Philosophy (W)

GER 3/A PD/D  
Historical survey of major American philosophers such as Edwards, Emerson, Thoreau, Peirce, James, Royce, Santayana and Dewey.  
prereq: ENGL 12000 and one previous course in philosophy.  
3 hrs 3 cr.
PHILO 22600 - African-American Philosophy (W)

GER 3/A PD/B
Development of the African-American intellectual tradition. Study of the work of such figures as Equiano, Douglass, Cooper, Blyden, Du Bois and Hurston.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs3 cr.

PHILO 23000 - Feminism: Philosophical Theory and Practice (W)

GER 3/A PD/C
Analyses of feminist theories and their practical implications.
*cross-listed WGS 23000 (W)*
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs3 cr.

PHILO 32000 - Twentieth-Century Philosophy (W)

GER 3/A
Survey of such movements as pragmatism, process philosophy, analytic philosophy, existentialism, phenomenology, feminism and post modernism through consideration of such representative figures as Dewey, Moore, Whitehead, Russell, Husserl, Heidegger, Wittgenstein, Ayer, Sartre, De Beauvoir, Quine, Rorty and Rawls.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.*
3 hrs3 cr.

Law

PHILO 24600 - Political Philosophy (W)

GER 3/B
Study of selected philosophical problems in politics, law, economics and society.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs3 cr.

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs3 cr.

PHILO 25200 - Problems of Law and Morality

GER 3/B
Philosophy of law and the relation of legal to ethical issues.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs3 cr.

PHILO 34600 - Justice in Contemporary Society (W)
A study of concepts of justice developed in the 20th century and their relevance to problems of contemporary society, such as social welfare, property rights and democratic government.

3 hrs3 cr

Ethics

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 24400 - Moral Philosophy (W)

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25200 - Problems of Law and Morality

GER 3/B
Philosophy of law and the relation of legal to ethical issues.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25400 - Ethical Issues in Biology and Medical Care (W)

GER 3/B
Treats issues such as abortion, euthanasia, extraordinary means, confidentiality, human experimentation, genetic control and allocation of limited life-saving therapy.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 34400 - Ethics in Contemporary Life (W)

GER 3/A
A study of concepts of ethics developed in the 20th century and their relevance to problems of contemporary life, such as personal development, social responsibility, and cultural difference.
3 hrs 3 cr

Religion

four of

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21400 - Medieval Philosophy (W)

GER 3/A PD/D
Study of major writings by medieval Arabic, Christian and Jewish philosophers such as Averroes, Aquinas and Maimonides.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22300 - Neoplatonism (W)

GER 3/A PD/D
A study of the main thinkers and ideas in ancient and medieval Neoplatonism, emphasizing Plotinus and Augustine.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22800 - Existentialism (W)

GER 3/A PD/D
Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 26200 - Philosophy of Religion (W)
GER 3/A
Philosophical examination of some religious questions and beliefs.
prereq: one course in philosophy or religion (see statement under Program Prerequisites)
3 hrs3 cr.

PHILO 36000 - Metaphysics (W)
GER 3/A
Study of major metaphysical views, such as materialism, idealism, nominalism and realism. The major question is: What is reality and how may it be known?
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38000 - Plato (W)
GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs4 cr

PHILO 38200 - Major Figure in Medieval Philosophy (W)
GER 3/A
A study of the works and legacy of one of the major philosophers of the Middle Ages such as Augustine, Averroes, Maimonides, or Aquinas. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38500 - Plotinus (W)
GER 3/A
A study of the background, writings and legacy of Plotinus.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38700 - Nietzsche (W)
GER 3/A
Study of Nietzsche's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

Minor in Philosophy, Politics and Society (PPS)
A student must take, as a **prerequisite to the minor**, PHILO 10600. This course does not count toward the PPS minor.

The PPS minor consists in taking 4 courses or 12 credits from the philosophy courses listed in the PPS major. Non-philosophy courses counting toward the PPS major concentration may **not** count toward the minor in philosophy.

**Major Adviser**

The Philosophy Department offers extensive advising services to majors, including: guidance for course selection and sequencing and devising a course of study; tracking progress and compliance with college, CUNY, and state regulations; career advice; planning for graduate and professional school applications; and information about special opportunities for philosophy students. Minors may also make use of these services.

**Mentoring**

Philosophy majors are encouraged to establish a relationship with a faculty mentor of their choice. This relationship can be distinct from the departmental advising relationship.

**Honors**

To be eligible for graduation with departmental honors in philosophy, a major must have at least a 3.50 GPA in philosophy, at least a 3.0 overall GPA. The student must register for the 3- or 6-credit PHILO 49400, which is taken in addition to and is not part of the 30 credits for the major. The student must write a substantial paper under the direction of a full-time faculty member. To receive departmental honors the completed paper must be submitted to a three-member committee who will judge whether it merits departmental honors. This committee will consist of the director of Honors Tutorial and two other full-time philosophy faculty members appointed by the director.

**PHILO 49400 - Honors Tutorial in Philosophy**

Open to Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision. Successful completion is one requirement for departmental honors at graduation.

**prereq:** 3.0 cum GPA and 3.50 major GPA; philosophy majors only, minor with perm instr; two 300-level PHIL courses, one of which may be taken concurrently; perm dept.

3 or 6 cr.

**Independent Study**

Students may engage in independent study under the supervision of a member of the Philosophy department by receiving permission to take the following.

**PHILO 49200 - Independent Study in Philosophy**

Independent study of philosophical works under faculty supervision.

**prereq:** one PHILO course at 300-level, perm instr. (see Program Prerequisites)

1-6 cr.

**Physics - BA**
Major

One of the following 3 options (concentrations) may be taken.

- Physics Option 1
- Physics Option 2
- Physics Option 3

Graduate Study

The Department of Physics and Astronomy offers a number of advanced courses, listed in the graduate catalog, which give credit toward the degree of master of arts. Qualified undergraduate students may be admitted to these courses with the approval of the department chair.

Minor in Physics

A minor in Physics consists of a minimum of 12 credits of PHYS courses, including two courses numbered above 200 or one course numbered above 300.

Students who wish to enroll in the Physics Minor must have completed MATH 15000 and MATH 15500. The prerequisites for the 300-level courses include MATH 25000 and/or MATH 25400.

Honors Work

The opportunity for students to do individual research (experimental or theoretical) is offered in courses

**PHYS 45300 - Introduction to Research**

Independent theoretical or experimental research or independent study of approved topic.

`prereq: PHYS 33000, 33400, 33500, and 42700 or perm chair`

1-3 cr.

**PHYS 45400 - Introduction to Research**

Independent theoretical or experimental research or independent study of approved topic.

`prereq: PHYS 45300 or perm chair`

1 to 3 cr.

Articulation Agreements

Articulation Agreement for Queensborough AAS Degree in Laser Technology

An articulation agreement is in place for AAS graduates from Queensborough Community College with a degree in Laser Technology. Consult the physics department for further information.
Articulation Agreement with New York City College of Technology

An agreement is in place for students from New York City College of Technology (CUNY) who successfully complete an associate degree in science in Liberal Arts (LAS) with at least a 2.0 overall grade-point average to be accepted into the Hunter College BA program in Physics. Consult the physics and astronomy department for further information.

Physics Option 1

Return to Programs and Courses in Physics & Astronomy

For students in the BA/MA program, students intending to teach grades 7-12, and students intending to enter the medical profession. The requirements consist of 8 credits of introductory physics courses

PHYS 11100 and PHYS 12000 preferred

and a 22-credit concentration in physics courses at the 200 level and higher:

PHYS 22100
PHYS 22200
PHYS 33000
PHYS 33400
PHYS 23000
PHYS 23500
PHYS 33500

Additionally, 15-24 credits of allied courses (mathematics and chemistry) are also required. Together, the introductory physics and the Option 1 concentration (30 credit total) satisfy the major requirement for initial certification as a teacher of physics in grades 7-12. Option 1, together with the MA (see the Accelerated BA/MA Program in Physics), is recommended for students planning to pursue a PhD in physics.

Preparation for Teaching

The Option 1 major in physics satisfies the requirements for NY State initial certification of at least 30 credits for teachers in adolescent education: physics (grades 7-12). Students planning to become physics teachers at the secondary level should take the 23-credit sequence in secondary education.

Students preparing to teach physics are advised to include the following courses or their equivalents in their undergraduate program:

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.

prereq: MATH 25000
3 hrs 3 cr.
CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
preq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
preq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
preq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

ASTRO 10100 - Basic Concepts of Astronomy with Laboratory Exercises

GER 2/E with lab
An introductory, one-semester astronomy course designed for non-science majors. Topics include: basic observational features of the night sky, and their explanations; Kepler’s laws of planetary motion; Newton's laws of motion and gravitation. Properties of light, and how it reveals the nature of its source. Origin, properties, and evolution of our solar system. The origin and evolution of stars, including giants, dwarfs, supernovae, neutron stars, and black holes. Structure of The Milky Way and other type of galaxies. Cosmology, Hubble's Law and the expanding universe, from the Big Bang to the present; future scenarios.

The lab consists of traditional hardware experiments and virtual online experiments.
*Students taking this course will be required to submit online and hard-copy laboratory reports.*

5 hrs 4 cr.

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab) 4.5 cr.
Offered fall and spring.
BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

Physics Option 2

Return to Programs and Courses in Physics & Astronomy

(Biophysics concentration) is recommended for students planning to pursue graduate studies and industrial R&D in biological related areas in physics, chemistry, bioengineering, and material sciences. This concentration is designed to allow the students to gain a solid foundation in physics and biology, together with a specially-designed course in biophysics which demonstrates the disciplinary interface between the two. The concentration requirements consist of courses in physics (26 cr), mathematics (12 cr), chemistry (15 cr) and biology (18 cr) and 8 credits of electives (at least 4 must be in physics).

Courses in Physics (26 credits)

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100prereq or coreq: MATH 25000
4 hrs4 cr.

PHYS 33400 - Intermediate Electricity and Magnetism
Electrostatics, currents, magnetism, and introduction to electromagnetic theory of light.

**prereq:** PHYS 12000 or 12100
**prereq or coreq:** MATH 25000
**4 hrs 4 cr.**

**PHYS 33600 - Thermodynamics and Statistical Mechanics**

Study of fundamental ideas of heat, reversibility, and entropy. Introduction to statistical nature of some physical laws.

**prereq:** PHYS 12000 or 12100; MATH 25000
**4 hrs 4 cr.**

**PHYS 42000 - Introduction to Biophysics**

A comprehensive introduction to the interface between physics and biology and the application of the techniques of physics to understanding biological systems, focusing on developing an understanding of the thermodynamics of living systems, on the physical kinematics of macromolecules and other biological structures and on the theory of physical techniques that are used in the study of biological systems.

**prereq or coreq:** PHYS 33000, PHYS 33600, BIOL 30000, CHEM 37600.
**4 hrs 4 cr.**

**Mathematics (12 cr)**

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

**prereq:** grade of C or better in MATH 12500 or appropriate score on placement exam.
**4 hrs 4 cr.**

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

**prereq:** grade of C or better in MATH 15000
**4 hrs 4 cr.**

**MATH 25000 - Calculus with Analytic Geometry III**

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

**prereq:** MATH 15500
**4 hrs 4 cr.**

**Chemistry (15 cr)**

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**Biology (18 cr)**

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only
BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

and 8 cr of electives

At least 4 credits must be in physics

Physics Option 3

Return to Programs and Courses in Physics & Astronomy

(Laser and fiber optics concentration) is recommended for those interested in a career in the telecommunications industry, as it includes a foundation in lasers and fiber optics.

Eight (8) credits of introductory physics are required

Recommended
PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.

prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

May be taken instead

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.

prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.

prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

No more than 8 credits toward the major can be obtained from these courses. It is recommended that the following be taken, if the PHYS 110-120 sequence is taken instead of the PHYS 111-121 sequence.

PHYS 19000 - Tutorial in Mathematical Physics

Applications of differential and integral calculus to selected topics chosen from the major subfields of physics. Completion of this course and its prerequisites is equivalent to completion of the calculus-based general physics sequence, PHYS 11100 and 12100.

prereq: MATH 15500, PHYS 12000
3 hrs (2 lec, 1 rec)2 cr.

(15 cr) are required in addition to one year of high school chemistry or college chemistry
MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
**prereq:** grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
**prereq:** grade of C or better in MATH 15000
4 hrs 4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
**prereq:** MATH 15500
4 hrs 4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
**prereq:** MATH 25000
3 hrs 3 cr.

All four courses of the sequence are required

No more than 4 credits of the sequence PHYS 231-234 may be used toward the major.

PHYS 23100 - Fundamentals of Laser and Fiber Optics

GER 3/B
Topics in optics related to lasers and optical fiber and devices for modulating and directing signals from such devices. Geometrical optics with emphasis on ray tracing. Matrix methods in optics. Lenses thick and thin, mirrors, prisms and other passive optical elements and systems. Propagation of light in materials. Dispersion and its effects. Special topics in geometric and wave optics. Laboratory complements classwork.
**prereq:** PHYS 12000 or 12100 or equiv; MATH 12500
5 hrs 4 cr.

PHYS 23200 - Laser and Electro-Optics Technology

GER 3/B
Wave optics, interference, coherence, polarization, birefringence, diffraction, gratings in two and three dimensions, power and energy measurements, basics of laser safety, ultra-fast pulse technology measurements, basics of laser safety, ultra-fast pulse technologies, electro-optics and acoustooptics switches, optical materials, non-linear optics.
Laboratory complements classwork.

prereq: PHYS 23100
7 hrs5 cr.

**PHYS 23300 - Laser Electro-Optics Devices, Measurements and Applications**

GER 3/B
Laser as a device, principle of operation, cavity modes and their control (tuning elements, Q switching, mode-locking) and detection, laser design, types of lasers, includes discussion of laser types for medical, ranging and tracking, material processing, pollution monitoring, and optical memory applications, semiconductor laser. Laboratory complements class work.
prereq: PHYS 23100
6 hrs4 cr.

**PHYS 23400 - Fiber Optics Devices, Measurements, and Applications**

GER 3/B
prereq: PHYS 23100
6 hrs4 cr.

**Political Science - BA**

**Major**

30 cr for students declaring after September 1, 2009

Majors are required to take at least one course in each of the four following subfields of the discipline: American government, political theory, comparative politics and international relations. Students may distribute their remaining courses in the major as they see fit. However, students contemplating graduate work are encouraged to specialize appropriately in consultation with the department’s faculty members. One political science course used to satisfy Stage 1 (Like POLSC 11000) and one political science course used to satisfy Stage 2 (like POLSC 20000) of the Core Requirement of the GER may also be used to satisfy the major requirement. Majors may not use a political science course to satisfy Stage 3, unless they have a double-major.

For students declaring after September 1, 2009, no more than two introductory (100-level) courses can be applied toward the major. Majors must complete at least three courses at the 300-level or above in any subfield.

**No more than 6 credits in internship, independent study, and/or experiential courses** (such as Model United Nations) may be used to satisfy the 30 credits in the major. Also, such credits may not be used to satisfy the distribution requirements in the four fields. Courses taken for Credit/No Credit may not be applied toward the major.

**Minor in Political Science**

Students minoring in political science must complete 12 credits in political science. No more than three credits can be at the 100-level. No more than three credits in independent study can be used to satisfy the minor. Internship credits may not be applied toward the minor.
Interdepartmental Fields

Political Science department faculty are actively involved in many interdisciplinary programs at Hunter College. Students who want to do work in political science as part of the following interdepartmental programs should refer to the appropriate programs in this catalog.

Asian American Studies Minor,

Human Rights,

Jewish Studies - BA,

Latin American and Caribbean Studies - BA,

Public Policy

Women and Gender Studies - BA

Honors

To complete the requirements for departmental honors in Political Science at graduation, students must have at least 30 credits in Political Science and be eligible for graduation in the semester that they formally complete department honors. At least 21 of these credits (or in exceptional cases, 18) must be taken in the Political Science Department at Hunter College. In the case of transfer students, the student’s faculty supervisor must recommend an exception to this policy; however, in no case should a student who has taken fewer than 15 credits in academic coursework (excluding internships or other experiential education courses) in political science at Hunter College be recommended for departmental honors.

In addition, students must 1) have a GPA in the major of not less than 3.5; 2) have completed at least two credits (but not more than 6) in coursework specifically designated for honors (POLSC 492xx); 3) work on the thesis with one Supervisor who must be a full-time political science faculty member.

The thesis should be a major paper of approximately 25 pages in length that reflects serious scholarship in an honors course. Students should enroll in POLSC 49202-49203 under the supervision of a faculty member with whom the student has done prior coursework and who has agreed to supervise the student’s honors project. Students seeking to graduate with departmental honors should begin to plan the sequence of honors work at least two semesters in advance of their expected graduation date.

Approval for Honors will come from the Supervisor. Once students have received the approval of the Sponsor, the thesis can be submitted for departmental honors. Successful completion of departmental honors includes a formal presentation of the thesis to the Honors Committee. Final papers must be deposited in the department office.

Pi Sigma Alpha

Students interested in joining this honor society should consult with Professor Leonard Feldman, 1702 Hunter West, (212)396-6246, lfeldman@hunter.cuny.edu.

Writing Corequisite and Prerequisites

Introductory, intermediate and advanced political science courses require significant expository writing and ENGL 12000 as a co- or prerequisite. To assure that students are ready for these courses, they should be enrolled in ENGL
12000 (or its equivalent) or have successfully completed the course. For all 100-level courses, ENGL 12000 (or its equivalent) is a prerequisite or co-requisite; for all 200-level, 300-level and 400-level courses, ENGL 12000 (or its equivalent) is a prerequisite.

Seminar/Internship Program in New York Government

This university-wide program is designed to bridge the gap between academic study and the practical world of government. Each year approximately 300 students are selected as CUNY interns. Hunter College students participate by enrolling in POLSC 22200/22300. Interns spend eight to ten hours a week in agencies, political offices or community groups working on administrative or research assignments related to urban affairs and services.

They attend a weekly classroom seminar at Hunter and monthly meetings of the entire program at the CUNY Graduate School. Prominent government officials, political leaders, community representatives and academic experts participate in both the weekly and monthly meetings. Students are advised to have taken prior coursework in American politics and to have at least a 3.0 GPA prior to being admitted to this program. For further information, consult the Department of Political Science.

Other Internships

Students may wish to consider internships in any field of political science, and receive credit through POLSC 29801-29806. The department does not offer internship credits to students in their first semester at Hunter College or to students who have never taken a political science course at Hunter. Up to 6 credits in internship work (POLSC 29801-29806) may be used to satisfy requirements for the major. As a general rule, a student who takes POLSC 29801-29806 must be supervised by a full-time faculty member with whom the student has done prior coursework and who has agreed to supervise the student’s internship. Additional internship credits may be used as electives toward graduation.

Preparation for Graduate Study

Many political science majors go on to graduate study. Students considering graduate work should consult members of the political science faculty.

Awards and Prizes

The Political Science Department confers recognition on its outstanding graduates through prizes and awards. The Katherine Duffy Prize and The Edgar Dawson Prize are presented annually to graduating political science majors.

Scholarships

The Political Science Department may award the Joan Pincus Scholarship to students majoring in political science who have achieved at least sophomore status, have an excellent academic record and have demonstrated financial need. For additional information, see the department chair or a departmental adviser.

Psychology - BA

Special Programs
Field Placement Program

Offered for one semester (PSYCH 30600) or as a 2-semester sequence, Psychological Services I and II (PSYCH 30600 and PSYCH 30700) give enrolled students practical supervised career experience one day per week in an approved mental health or community service setting in conjunction with a class that meets once each week. Students may also gain field experience in conjunction with academic work through Independent Study (PSYCH 20100) with a faculty sponsor. Permission of the instructor is required for these courses and students should start making arrangements by the preceding term before they plan to take the course (e.g., midspring for the fall term). The undergraduate adviser can inform students of the instructor who will be teaching PSYCH 30600 and PSYCH 30700, for which field placement referrals are made by the instructor. Students wishing to take PSYCH 20100 in conjunction with a field experience should meet with the college internship coordinator (by appointment in Career Development, Room 805 Hunter East) and with prospective faculty sponsors.

The COR Program (Career Opportunities in Research and Education)

The departments of psychology, anthropology and sociology jointly offer a program called COR (Career Opportunities in Research and Education). This interdisciplinary research training program for academically talented minority juniors and seniors is funded by the National Institute of Mental Health. Participants receive a monthly stipend and are granted tuition and fee remission. Students take a special curriculum and get individualized research training in a variety of areas under the supervision of a faculty mentor. The program has several levels of participation and underrepresented minority students, especially sophomores, intending to pursue a research-related career in the participating disciplines are urged to apply to the program. Additional details and descriptive literature are available from the COR program director, Professor Regina Miranda regina.miranda@hunter.cuny.edu, (212) 772-4809, or Judith Diaz-Minaya, program manager (uddiaz@hunter.cuny.edu, (212) 772-4562).

The MIDARP Program (Minority Institutional Drug Abuse Research Development Program)

The overall goal of MIDARP is to develop the capacity of Hunter College to support drug abuse research through the following objectives: (1) provide underrepresented minority faculty with drug abuse research knowledge and skill development through the conduct of research projects and other professional development activities, (2) encourage underrepresented minority students to pursue drug abuse research careers by providing them with educational enrichment and research experiences; and (3) strengthen the underlying institutional infrastructure needed to support drug abuse research. Undergraduate students supported by MIDARP are highly qualified students from underrepresented populations. They must be interested in pursuing careers in drug abuse research and in working in the laboratory of a MIDARP investigator.

Exemptions

A student may be exempt from PSYCH 10000 by earning a score of 4 or 5 on the Advanced Placement Test taken in conjunction with a high school course in psychology or by passing the CLEP examination (College Level Education Program). Exemption from Child Psychology (PSYCH 21000) may be earned by a passing grade on the CLEP examination in Developmental Psychology. CLEP examinations are given at various testing centers. Interested students can obtain information and application forms at http://www.collegeboard.com or by contacting the Office of Student Services. A passing grade on either CLEP examination provides 3 credits. Information on exemption from the mathematics course requirement and on test administration is available from the Testing Center, North 150 (http://admissions.hunter.cuny.edu/Testing.htm).

The Psychology Major
Preparation

The psychology major is designed to provide students with training in both the evaluation and the generation of research data. For this reason, the core sequence of Psychological Statistics and Experimental Psychology is central to the program and is a prerequisite for all upper-level psychology courses. Performance in the Psychological Statistics/Experimental Psychology sequence will be greatly facilitated by proper preparation in mathematics and laboratory science and the development of excellent writing skills.

**PSYCH 24800 - Statistical Methods in Psychological Research**

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

*PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

**prereq:** PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or an appropriate score on math placement exam
**coreq:** Writing Intensive
**prereq or coreq:** ENGL 12000

4 hrs 4 cr.

**PSYCH 24900 - Experimental Psychology: Social**

GER 3/B
Introduction to the principles of research methodology and experimental techniques. Required research reports involve laboratory and field exercises concerned with a variety of social psychological phenomena. (Students may take either PSYC 249 or 250, but not both.)

*PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

**prereq:** ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade; PSYC 24800 with a minimum grade of C
**prereq or coreq:** Writing Intensive

6 hrs (2 lec, 4 lab) 4 cr.

**PSYCH 25000 - Experimental Psychology: General**

GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

*PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

**prereq:** ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade;
PSYCH 24800 with a minimum grade of C
prereq or coreq: Writing Intensive
6 hrs (2 lec, 4 lab) 4 cr.

Course of Study

Completion of ENGL 12000 prior to declaration of the major in psychology is strongly recommended. ENGL 12000 is a pre or co-requisite for all 200-level classes below 24900. For any classes numbered 24900 and above, ENGL 12000 is a prerequisite. Students whose career goals include professional work in psychology, social work, or counseling should take the following courses, as appropriate. Note that each may be used only once to satisfy major requirements.

PSYCH 20100 - Independent Study in Psychology

May be applied to major once. Designed to meet the needs of individual students under the direction of a particular faculty sponsor. The course may involve independent readings, tutorials, work as an advising assistant or peer counselor, field placement, an individual research project, or participation in ongoing faculty research, any of these culminating in a written report.

prereq: PSYCH 10000 and any other 3 cr PSYCH course, perm dept.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 30600 - Seminar in Psychological Services I (A)

Open to declared majors only. An integration of personality and abnormal psychology, the helping process and the role of the helper. Seminar and one day per week placement in mental health/community service setting.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000, PSYCH 2200 or 32300, PSYCH 24900 or 25000, perm instr.
8 hrs 4 cr.

PSYCH 30700 - Seminar in Psychological Services II (A)

Integration of personality and abnormal psychology. Seminar and one day per week placement in mental health/community service setting.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000, PSYCH 30600, perm instr.
3 hrs 3 cr.

PSYCH 39500 - Independent Research in Psychology

May be applied to the major once. Designed to meet the needs and interests of individual students under the direction of a particular instructor at a more advanced level than PSYCH 20100. Such study may involve independent reading, tutorials, independent research projects, or participation in ongoing faculty research, any of these culminating in an
APA-style research report or literature review. Field Placements (internships) cannot be granted credit as PSYC 39500; however, supervised field placement taken in conjunction with PSYCH 36100 - Psychological Tests (A) will be granted credit as PSYC 395.

**prereq:** ENGL 12000. PSYCH 24900 or 25000, perm instr.
3 hrs 3 cr.

-or-

**PSYCH 39600 - Honors in Psychology**

Independent, sponsored, empirical research and seminar. Students are expected to attend the regularly scheduled seminar. An APA-style research report or its equivalent (to be filed in the department) is a requirement of this course. To graduate with departmental honors, the student must receive a grade of A in PSYCH 39000. Honors in Psychology is typically a one-semester course; however, when a PSYCH 39600 research project extends beyond a single semester, the student may (with permission) register for a second semester as PSYCH 39800. If taken, the student must receive a grade of A in both PSYCH 39600 and 39800 to graduate with departmental honors.

**prereq:** ENGL 12000. PSYCH 24900 or 25000; 3.5 major GPA; 3.00 cumulative GPA; perm instr.
3 hrs 3 cr.

**Declaration of Major**

To declare a psychology major, the student must have completed Introduction to Psychology PSYCH 10000 and any other 100-level psychology course with a minimum grade of B, a required mathematics course with a minimum grade of C or CR and have a minimum GPA of 2.00. The mathematics requirement may be satisfied by the following, or by earning exemption from the mathematics requirement. The major must be declared in person with an undergraduate psychology adviser. (Refer to website http://hunter.cuny.edu/psychology for schedule.) The student must bring his/her Hunter transcript (and where relevant, transcripts from all other colleges attended) when meeting with the adviser to declare a psychology major.

**STAT 11300 - Elementary Probability and Statistics**

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

**prereq:** MATH 10100 or appropriate score on placement exam
**prereq or coreq:** ENGL 12000
3 hrs 3 cr.

-or-

**MATH 12500 - Precalculus**

GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.

**prereq:** grade of C or better in MATH 10100 or appropriate score on placement exam
4 hrs 4 cr.
Psychology Major

The major consists of 26 credits in psychology above the 100 level, including PSYCH 24800 - Statistical Methods in Psychological Research and PSYCH 24900 - Experimental Psychology: Social or PSYCH 25000 - Experimental Psychology: General. The major also requires at least one course in each of the following content areas:

- applications of psychology;
- biopsychology;
- cognitive processes;
- and developmental/social psychology.

(If a course meets requirements for more than one content area, the student may apply the course to only one of them.)

All of the content-area courses must be at or above the 200 level and at least 2 of the content-area courses must be at or above the 300 level. Two additional (elective) courses in psychology, at the 200 level or higher, must be completed. Two semesters of laboratory science must also be completed. (See the Science Requirement for Graduation below.)

Qualified undergraduates in their last semester may register for graduate-level psychology courses with the permission of the instructor and the graduate adviser. Most psychology majors intending to attend graduate school take more than the minimum 26 credits in psychology and design their course of study in close consultation with a faculty mentor. Students should obtain a copy of “Psychology Major Requirements and Policies” from the undergraduate advising office as soon as they declare the major for up-to-date information on department resources, activities and faculty research interests.

Beginning in the spring 1998 semester, psychology courses taken on a Credit/No Credit basis may not be applied toward the major; PSYCH 24800, PSYCH 24900, PSYCH 25000 may not be taken on a Credit/No Credit basis.

Courses Taken on Permit and Courses Transferred into Hunter

Once the psychology major is declared, students may not take any psychology course that they wish to count toward the major on permit at another college. In contrast, psychology courses that were taken before the student enrolled at Hunter and that are deemed equivalent to a Hunter College course may count toward the major. The assessment of course equivalency is made by the Office of Admissions and by the undergraduate psychology advising office.

Prerequisites

Course prerequisites are strictly enforced. Students are responsible for meeting all course prerequisites, including satisfactory completion of courses in progress at the time of enrollment. Students enrolling in courses without necessary prerequisites will be dropped from the class by the registrar. The department screens for prerequisites and students may be dropped after the course begins. (See specific prerequisites for each course in Course Listings section.)

**Prerequisites for** PSYCH 24800 - Statistical Methods in Psychological Research. All students must have received at least a C or CR in STAT 11300 or MATH 12500 or earned mathematics exemption and must have declared psychology as their major in the Psychology Department Advising Office at Hunter.

**Prerequisites for** PSYCH 24900 - Experimental Psychology: Social and PSYCH 25000 - Experimental Psychology: General. All students must be declared Psychology majors and have passed ENGL 12000 with C or higher, STAT 11300 or MATH 12500 with C or higher (or earned mathematics exemption), PSYC 24800 with C or higher, and 1 semester of laboratory science (see Science Requirement for Graduation, below).

As of fall 2011, only PSYCH 25000 will be offered

Science Requirement for Graduation
In order to graduate, psychology majors must have completed two semesters in laboratory science that were approved by the department. Students must take at least one semester of laboratory science before taking PSYCH 24900 or PSYCH 25000. Students may complete the laboratory science courses at any point in their studies, and the courses need not be taken in sequence. The science requirement may be met by any of the following courses, all of which meet the General Education Requirement Stage 2/E, Laboratory Science, requirement:

**ANTHP 10100 - Human Evolution**

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.
*6 hrs (3 hrs lec, 3 hrs lab)4 cr.*
*offered every sem.*

**ANTHP 10200 - Human Variation**

GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.
*6 hrs (3 hrs lec, 3 hrs lab)4 cr.*
*offered every sem.*

**ASTRO 10100 - Basic Concepts of Astronomy with Laboratory Exercises**

GER 2/E with lab
An introductory, one-semester astronomy course designed for non-science majors. Topics include: basic observational features of the night sky, and their explanations; Kepler's laws of planetary motion; Newton's laws of motion and gravitation. Properties of light, and how it reveals the nature of its source. Origin, properties, and evolution of our solar system. The origin and evolution of stars, including giants, dwarfs, supernovae, neutron stars, and black holes. Structure of The Milky Way and other type of galaxies. Cosmology, Hubble's Law and the expanding universe, from the Big Bang to the present; future scenarios.

*The lab consists of traditional hardware experiments and virtual online experiments.*
*Students taking this course will be required to submit online and hard-copy laboratory reports.*

*5 hrs4 cr.*

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
*$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.*
*prereq: MATH 10100 or equivalent*
*7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.*
*fall only*

**BIOL 10200 - Principles of Biology II**
GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

BIOL 12000 - Anatomy and Physiology I

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.
Not accepted for credit toward the biology major.
prereq: CHEM 10000, 10100coreq: CHEM 12000, 12100
6 hrs (3 lec, 3 lab)4.5 cr.
fall only

BIOL 12200 - Anatomy and Physiology II

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.
Not accepted for credit toward the biology major.
prereq: BIOL 12000 or equiv.
6 (3 hrs lec, 3 hrs lab)4.5 cr.
spring only

BIOL 12500 - Human Biology

GER 2/E
An introductory laboratory course for non-biology majors. Explores the biology that underlies current health and disease topics (including diabetes, cancer, sexually transmitted diseases, nutrition). Using a topics approach, the course provides a survey of human anatomy and physiological function, along with the biological principles of genetics and cellular interactions that comprise our current understanding of the human organism. Laboratory exercises will introduce students to a scientific approach in studying human disease and physiology. The credits from this course will not count towards the Biology Major.
6 hrs4.5 cr.

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.
Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
4 hrs (3 lec, 1 rec)3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
*5 hrs (4 lec, 1 rec) 4 cr.*

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
*5 hrs (4 lec, 1 rec) 4 cr.*

CHEM 10500 - General Chemistry Laboratory II

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.
*Offered for transfer students who have completed only one semester of General Chemistry Laboratory.*
*prereq: One semester of General Chemistry Laboratory, prereq or coreq: CHEM 10400*
*4 hrs (3 lab, 1 rec) 1.5 cr.*

CHEM 11100 - Chemical Principles

GER 2/E
In-depth introduction to chemical principles including measurement, stoichiometric calculations, inorganic nomenclature, gas laws, equilibrium, acids, bases and buffers. Emphasis is placed on problem-solving, oral presentations, and collaborative work. Laboratory and coursework emphasize analysis and evaluation of data.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500 or equiv. MATH 12600*
*10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop) 5.5 offered fall*

CHEM 11200 - Thermodynamics and Solution Chemistry

GER 2/E
The study of quantum theory, atomic structure, periodic properties of the elements, kinetics, electrochemistry, and thermodynamics.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 11100*
*10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop) 5.5 offered spring*

CHEM 12000 - Essentials of Organic Chemistry Lecture

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.

**CHEM 12100 - Essentials of Organic Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.

Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.

 prerequisites: CHEM 10000
4 hrs (3 lec, 1 rec)3 cr.

**GEOL 10100 - Fundamentals of Geology**

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab)4.5 cr.
Offered fall and spring.

**GEOL 10200 - Plate Tectonics and the Earth’s Evolution**

GER 2/E
The second course in geology offered to non-geology majors. It is designed to familiarize students with the main concepts used in deciphering and interpreting earth’s evolution from the spatial and temporal perspective. Topics to be covered include: geologic time; geological principles; earth materials as recorders of past geologic processes; depositional environments and sedimentary rock record; igneous and metamorphic geologic environments and their rock records; evolution of the solar system; plate tectonics and life on earth; origin of the universe; life on earth and the fossil record; Precambrian, Paleozoic, Mesozoic, and Cenozoic life, history and tectonics. Field trips may be required; transportation fee.

 prerequisites: GEOL 10100
5 hrs (3 lec, 2 lab)4 cr.
Offered fall.

**PGEOG 13000 - Weather and Climate**

GER 2/E
Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.

 prerequisites: GEOL 10100
5 hrs (3 lec, 2 lab)4 cr.
Offered in the Fall and Spring.

**PGEOG 23100 - Physical Geography II: Principles of Geomorphology**
See GEOL 23100

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

**PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

**Additional Information**

For transfer students, the laboratory science requirement may be met by courses taken at previous institutions only if they have been assigned the Hunter College course numbers in the above list. Transfer students should check with the psychology adviser after their courses have been formally evaluated by Hunter College to determine whether the science requirement has been met.

*Note: Students who declared a psychology major before January 1, 1998 are exempt from the science requirement within the Department of Psychology.*

**Minor**

As of the spring of 2009, Hunter no longer requires that students have a minor. Those students wishing to do a minor should go directly to the department in which they are interested in doing a minor and declare it with that department.

**Minor in Psychology**

**Declaring a Minor in Psychology**

The minor in psychology is designed to expose students to a variety of content areas in the field of psychology and to provide the student with the ability to evaluate psychological research as a consumer.

To declare a psychology minor, the student must have completed PSYCH 10000 and any other 100-level psychology course with a minimum grade of C and a required mathematics course with a minimum grade of C or CR. The mathematics requirement may be satisfied by STAT 11300 or MATH 12500, or by an appropriate score on the mathematics placement test.

The minor in Psychology consists of 15 credits in Psychology as follows:

**PSYCH 10000 - Introduction to Psychology**
GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs 3 cr.

100 and any other 3cr. 100 level PSYCH course

PSYCH 21500 - Introduction to Research Methods in Psychology (W)

GER 3/B
Evaluation of published research; research principles and the concepts which underlie them; how to evaluate and select research strategies.
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

and any two 200-level PSYCH courses.

The total number of credits to fulfill all minor requirements, including credits for all prerequisites is 18. Fifteen credits in PSYCH courses and 3 credits in STAT 113 or MATH 125.

Concentration

- Psychology: Concentration in Behavioral Neuroscience

Psychology: Concentration in Behavioral Neuroscience

Purpose

The Behavioral Neuroscience Concentration within Psychology provides interdisciplinary training for students preparing for academic or professional careers in neuroscience-related areas. The concentration brings together students from Psychology and Biology in a set of core courses and offers mentored research experience in faculty laboratories, opportunities for student research presentations and talks by distinguished visiting neuroscientists. The neuroscience concentration is a particularly good option for students who plan to do graduate study in neuroscience or neurosciencerelated fields or attend medical school for neurology, neurosurgery, or psychiatry specialties. Because of the large number of required courses in the concentration, it is very important that interested students meet with the concentration adviser as early in their college career as possible-no later than the start of their Sophomore year. The concentration adviser is Prof. Philip Zeigler, ((212) 772-5363; Room 626 Hunter North).

Admission Requirements

Admission is by application at the end of the sophomore year. Applicants will need to have completed or be currently taking the following courses with a minimum GPA overall of 3.0 and of 3.5 in the major. Selection will be based upon a combination of grades and an interview, and the identification of a faculty sponsor in whose laboratory the student’s research will be carried out. Application forms and names of faculty contacts may be obtained from the Psychology adviser’s office.

BIOL 10000 - Principles of Biology I
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

prereq: MATH 10100 or equivalent

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

BIOL 10200 - Principles of Biology II

Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

CHEM 10200 - General Chemistry I

In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

Primarily for pre-med, medical laboratory sciences and science majors.

prereq or coreq: MATH 12500, 12600 or equiv.

5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10400 - General Chemistry II

In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

Primarily for premed, medical laboratory sciences and science majors.

prereq: CHEM 10200 or CHEM 10000 with perm chair

5 hrs (4 lec, 1 rec) 4 cr.

PSYCH 10000 - Introduction to Psychology

An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

3 hrs 3 cr.

PSYCH 18000 - Brain and Behavior

Brain structure, function and relation to behavior. Topics include the neural basis of perception, learning and memory, consciousness, motivation, emotion.

prereq: PSYC 10000

3 hrs 3 cr.
PSYCH 24800 - Statistical Methods in Psychological Research

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: PSYC 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or or appropriate score on math placement exam
coreq: Writing Intensive

4 hrs 4 cr.

Course Requirements for the Undergraduate Concentration in Behavioral Neuroscience

In addition to completion of the psychology major and the introductory sequences in chemistry and biology, students in the concentration will take the introductory course in calculus, additional courses in biology and chemistry and an interdisciplinary Behavioral Neuroscience Seminar. A year of laboratory research is required and an undergraduate thesis based on this research will be eligible for consideration for Departmental Honors. Completion of the concentration meets the requirements for the minor in Biology. For continuation in the concentration, students must maintain the GPA required for entry.

Required Courses/Credits

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs 3 cr.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior, ecology.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

*Primarily for pre-med, medical laboratory sciences and science majors.*

prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

*Primarily for premed, medical laboratory sciences and science majors.*

prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10500 - General Chemistry Laboratory II**

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.

*Offered for transfer students who have completed only one semester of General Chemistry Laboratory.*

prereq: One semester of General Chemistry Laboratory, prereq or coreq: CHEM 10400
4 hrs (3 lab, 1 rec)1.5 cr.

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*
4 hrs4 cr.

**PSYCH 18000 - Brain and Behavior**

GER 2/B
Brain structure, function and relation to behavior. Topics include the neural basis of perception, learning and memory, consciousness, motivation, emotion.

*prereq: PSYC 10000*
3 hrs3 cr.

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

PSYCH 24800 - Statistical Methods in Psychological Research

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or or appropriate score on math placement exam
coreq: Writing Intensive
prereq or coreq: ENGL 12000
4 hrs4 cr.

PSYCH 25000 - Experimental Psychology: General

GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade; PSYCH 24800 with a minimum grade of C
prereq or coreq: Writing Intensive
6 hrs (2 lec, 4 lab)4.5 cr.

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.

$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

PSYCH 39600 - Honors in Psychology

Independent, sponsored, empirical research and seminar. Students are expected to attend the regularly scheduled seminar. An APA-style research report or its equivalent (to be filed in the department) is a requirement of this course. To graduate with departmental honors, the student must receive a grade of A in PSYCH 39000. Honors in Psychology is typically a one-semester course; however, when a PSYCH 39600 research project extends beyond a single semester, the student may (with permission) register for a second semester as PSYCH 39800. If taken, the student must receive a
grade of A in both PSYCH 39600 and 39800 to graduate with departmental honors.

prereq: ENGL 12000. PSYCH 24900 or 25000; 3.5 major GPA; 3.00 cumulative GPA; perm instr.
3 hrs 3 cr.

**PSYCH 39800 - Honors in Psychology**

Independent sponsored research and seminar. Attendance at regularly scheduled seminar and research report required. If taken, the student must receive a grade of A in both PSYCH 39600 and 39800 to graduate with departmental honors.

prereq: PSYCH 39600, perm instr.
3 hrs 3 cr.

**BIOL 47100 - Special Topics in Biology**

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 300
3 hrs (lec) 3 cr. per sem.

**Electives**

(9 credits, at least 3 of which must be Biology)

**PSYCH 30000 - Physiological Psychology (B)**

GER 3/B
Neural and endocrine mechanisms involved in learning, emotion, perception and other psychological processes.
PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

**PSYCH 30100 - Sensation and Perception (B; C)**

GER 3/B
Open to declared majors only. Methods, theories and empirical data relating to stimulus detection, encoding and perception as a function of variables including current stimuli and past history.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

**PSYCH 30900 - Sex and Behavior (B; D/S)**
GER 3/B PD/C
Research and attitudes about sex-related behavior in human and nonhuman animals emphasizing evolutionary and neuroendocrinological processes and social-psychological processes; male-female differences and similarities, therapeutic strategy in sex-behavior pathology and sexual behavior and the law.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 32700 - Motivation (B; C)

GER 3/B
The problem of how behavior is initiated, maintained, directed and terminated. Human and non-human research evaluated.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 36900 - Drugs and Behavior (B)

GER 3/B
Neurochemical substrate of brain functioning; historical context and social ramifications of drug use.

prereq: ENGL 12000, PSYCH 24900 or 25000, PSYCH 30000 or perm instr.
3 hrs 3 cr.

BIOL 37000 - Physiology of the Nervous System

GER 3/B
A comprehensive introduction to neuroscience. Topics include how nerve cells (neurons) transmit electrical impulses, how neurons communicate with each other through synapses and how nerve pathways and networks determine many functions of the brain. The last portion of the course shall explore how developing neurons seek out targets and establish synapses.

prereq: BIOL 30000 or perm instr.
4 hrs (lec) 4 cr.
spring only

BIOL 37600 - Endocrinology

GER 3/B
Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of metabolism and reproduction; integration of endocrine responses by the central nervous system.

prereq: BIOL 20200 or perm instr.
3 hrs (lec) 3 cr.
spring only
BIOL 38000 - Molecular Neurobiology

GER 3/B
Molecular components and molecular mechanisms involved in the cell biology of neurons and glia, neuronal signaling, neuronal development, learning, memory and diseases of the nervous system.

prereq: BIOL 30000 or perm instr.
3 lec hrs3 cr.
fall alternate years

Additional Information

For questions or further information see the concentration adviser: Prof. P. Zeigler, tel: (212) 772-5363, hzeigler@hunter.cuny.edu

QUEST Four-Semester Sequence for Transfer Students

Semester I

QSTA 40000 - The Art of Effective Teaching

This course is designed to orient elementary school teacher candidates to the world of urban education and their roles as quality educators. An introduction to the basic pedagogical practices of teaching, the connection between theory and practice as it relates to the role of teachers, instructional methods for teaching diverse student populations, effective classroom management practices, organizational strategies, motivation techniques and methods of assessment.

3 hrs3 cr.

QSTB 20200 - Child Growth and Development

The biological, cognitive, emotional, linguistic, moral, physical and social aspects of development will be addressed with respect to their role in children's experiences in school. The critical application of developmental theories and research to diverse populations will be emphasized. Contextual influences on children's development, including family, peers and the media will be included.

coreq: QSTA 40100, QSTAB 30000
prereq or coreq: CSCI 11500, QSTA 40000
2 hrs2 cr.

QSTA 40100 - Developmental Reading

Theoretical and practical aspects of literacy with particular emphasis on teaching literacy to diverse populations. In addition, the role of family and community involvement and the use of technology for literacy development will be stressed.

coreq: QSTB 20200, QSTAB 30000
prereq or coreq: QSTA 40000, CSCI 11500
2 hrs2 cr.

QSTAB 30000 - Fieldwork I: Fieldwork for Child Development and Developmental Reading
Supervised experiences in classroom applications of QSTA 40100: Developmental Reading and QSTB 20200: Child Growth and Development. Students will complete 6 per week of fieldwork for a minimum of 75 contact per semester. Students will develop guided observation skills, acquire practical knowledge of the design and management of instruction and the classroom environment, and work effectively with individual students and small work groups. Students receiving a grade of C in fieldwork must apply to the chairperson for permission to re register for the course. Fieldwork may be repeated only once. Students who receive a grade lower than C may not repeat the course and may not continue in the program.

coreq: QSTA 40100, QSTB 20200
prereq or coreq: QSTA 40000
75 hrs1 cr.

**CSCI 11500 - Computer Technology in Childhood Education**

Open only to students in QUEST program. Students learn to use a number of software tools and applications that can be infused into the curriculum of the elementary school. Includes a focus on information retrieval using Internet resources and use of such application packages as Miosoft Excel, Miosoft Power Point, Inspiration and Timeliner.

**prereq or coreq:** QSTA 40000

3 hrs (1 lec, 2 lab)2 cr.

**Total ED Credits 8**

**Fieldwork 75 hours**

**Semester II**

**QSTA 41000 - Literacy Across the Content Areas**

Theoretical, methodological, practical, and technological aspects of teaching literacy to elementary school students with an emphasis on meeting the literacy needs of diverse student populations.

**prereq:** QSTA 40100, QSTB 20200, QSTAB 30000, CSCI 11500

**coreq:** QSTA 41200, QSTAB 30100

2 hrs2 cr.

**QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools**

Teaching social studies through literature, the arts, and technology in grades 1-6. Literature selections will include original documents, essays, historical fiction, novels, diaries, journals, poetry, drama and folktales. Instructional strategies will include interdisciplinary curriculum and differentiated learning, teaching, and assessment strategies for English language learners and students with disabilities. Diverse activities will include utilizing the community, particularly museums, as a laboratory for student learning.

**prereq:** QSTA 40100, QSTB 20200, QSTAB 30000

**coreq:** QSTA 41000, QSTAB 30100

2 hrs2 cr.

**QSTAB 30100 - Fieldwork II: Fieldwork for Literacy Across the Content Areas and Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools**
Supervised experiences in classroom applications of QSTA 41000 - Literacy Across the Content Areas and QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools. Students will complete 6 of fieldwork per week for a minimum of 75 contact per semester. Students will develop the ability to apply theoretical concepts and deliver instruction to individuals and small groups of children. Students will design or adapt curriculum that meet the needs of diverse learners, including children with special needs and English language learners.

**QSTA 40100, QSTB 20200, QSTAB 30000**

Coreq: QSTA 41000, 41200

**QSTB 40300 - Social Foundations of Urban Education**

Contemporary issues and themes in the social foundations of childhood education viewed from an interdisciplinary perspective. Special emphasis on the role of family and community in the educational process.

**QSTA 41000, QSTB 20200, QSTAB 30000**

3 hrs 3 cr.

**Total ED Credits 8**

**Fieldwork 75 hours**

**Semester III**

**QSTB 41300 - Psychology of Teaching and Learning**

The critical application of psychological theories and principles to classroom instruction, including: learning styles; instructional models; effective teaching; motivation; student diversity; students with special needs; classroom management; and formal and informal assessment.

**QSTA 41000, 41200, QSTAB 30100**

Coreq: QSTB 41300, QSTAB 30200

2 hrs 2 cr.

**QSTA 40600 - Mathematics Teaching and Learning in Elementary School**

Modern methods for teaching mathematics through understanding in the elementary grades.

Transfer students may be allowed to enroll in QSTA 40600 after completing MATH 10400 and registering for MATH 10500 if their progress through the QUEST program would be delayed by the MATH 10500 prerequisite requirement.

**QSTAB 30200 - Fieldwork III: Fieldwork for Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning**

Supervised experiences in classroom applications of QSTA 40600: Mathematics Teaching and Learning in Elementary School and QSTB 41300: Psychology of Teaching and Learning. Students will complete 6 of fieldwork per week for a semester minimum of 75 contact to demonstrate the ability to apply knowledge acquired in the Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning courses to effectively deliver instruction.
in the content areas to individual children, small work groups, and large groups of children.

prereq: QSTA 41000, 41200, QSTAB 30100
coreq: QSTA 40600, QSTB 41300
75 hrs1 cr.

QSTA 40700 - The Arts: An Interdisciplinary Learning Experience

Offered in collaboration with Lincoln Center Institute, this course is designed to introduce teacher candidates to the role of arts in learning across the curriculum. Teacher candidates will experience the creative process through hands-on study of works of art (visual arts, music, theatre, and dance) to enhance the aesthetic sensibilities of students in grades 1-6.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000
3 hrs3 cr.

HED 31400 - Health Education for the Classroom Teacher

The preparation of the elementary educator to assist children in grades 1-6 in making decisions for optimum health and wellness, including nutrition education and fitness; mental/emotional health and conflict resolution; drug education; stress management; safety education including fire safety; family living/sex education including HIV/AIDS education and orientation issues; personal safety and the role of the classroom teacher as a mandated reporter of child abuse and neglect; environmental health; and violence prevention.

prereq: QSTB 20200, QSTF 30100prereq or coreq: QSTF 30200
3 hrs3 cr.

Total ED Credits 8

Fieldwork 75 hours

Semester IV

QSTA 41400 - Teaching Science in Elementary Schools

This course is inquiry-based or process-oriented. Focuses on the doing part of science more than the facts part of science. Includes analysis of local, state and national science standards, working with students from culturally diverse backgrounds, using multimedia technology effectively, and working with parents and the community. Students will be observed in science teaching activities during their co-requisite student teaching in science.

prereq: QSTA 40600, 41000, 41200, QSTAB 30100coreq: QSTA 41500
2 hrs2 cr.

QSTA 41500 - Student Teaching

Supervised student teaching experience in an elementary school setting at one grade level from grades 1-6. Requirements include four full days per week of student teaching for a minimum of 50 days, 30 hours of seminars + conferences, and attendance at professional development workshops.

prereq: QSTA 40600, 40700, QSTB 41300, QSTAB 30200, HED 31400coreq: QSTA 41400
2 per week of seminar plus student teaching4 cr.
Total ED Credits 6

Fieldwork 60 days

Total Credits 30

Note(s)

QSTA is a designation for courses offered by the Department of Curriculum and Teaching; QSTB is a designation for courses offered by the Department of Educational Foundations; QSTF is a designation for fieldwork attached to two courses.

**QUEST Six-Semester Sequence for Students Who Enter Hunter College as First-Year Students**

**Semester I**

**QSTA 40000 - The Art of Effective Teaching**

This course is designed to orient elementary school teacher candidates to the world of urban education and their roles as quality educators. An introduction to the basic pedagogical practices of teaching, the connection between theory and practice as it relates to the role of teachers, instructional methods for teaching diverse student populations, effective classroom management practices, organizational strategies, motivation techniques and methods of assessment.

3 hrs 3 cr.

**CSCI 11500 - Computer Technology in Childhood Education**

Open only to students in QUEST program. Students learn to use a number of software tools and applications that can be infused into the curriculum of the elementary school. Includes a focus on information retrieval using Internet resources and use of such application packages as Miosoft Excel, Miosoft Power Point, Inspiration and Timeliner.

prereq or coreq: QSTA 40000

3 hrs (1 lec, 2 lab) 2 cr.

**Total ED Credits 3**

**Semester II**

**QSTB 20200 - Child Growth and Development**

The biological, cognitive, emotional, linguistic, moral, physical and social aspects of development will be addressed with respect to their role in children's experiences in school. The critical application of developmental theories and research to diverse populations will be emphasized. Contextual influences on children's development, including family, peers and the media will be included.

coreq: QSTA 40100, QSTAB 30000
prereq or coreq: CSCI 11500, QSTA 40000
2 hrs 2 cr.

QSTA 40100 - Developmental Reading

Theoretical and practical aspects of literacy with particular emphasis on teaching literacy to diverse populations. In addition, the role of family and community involvement and the use of technology for literacy development will be stressed.

coreq: QSTB 20200, QSTAB 30000
prereq or coreq: QSTA 40000, CSCI 11500
2 hrs 2 cr.

QSTAB 30000 - Fieldwork I: Fieldwork for Child Development and Developmental Reading

Supervised experiences in classroom applications of QSTA 40100: Developmental Reading and QSTB 20200: Child Growth and Development. Students will complete 6 per week of fieldwork for a minimum of 75 contact per semester. Students will develop guided observation skills, acquire practical knowledge of the design and management of instruction and the classroom environment, and work effectively with individual students and small work groups. Students receiving a grade of C in fieldwork must apply to the chairperson for permission to re register for the course. Fieldwork may be repeated only once. Students who receive a grade lower than C may not repeat the course and may not continue in the program.

coreq: QSTA 40100, QSTB 20200prereq or coreq: QSTA 40000, CSCI 11500
75 hrs 1 cr.

Total ED Credits 5

Fieldwork 75 hours

Semester III

QSTA 41000 - Literacy Across the Content Areas

Theoretical, methodological, practical, and technological aspects of teaching literacy to elementary school students with an emphasis on meeting the literacy needs of diverse student populations.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000, CSCI 11500coreq: QSTA 41200, QSTAB 30100
2 hrs 2 cr.

QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools

Teaching social studies through literature, the arts, and technology in grades 1-6. Literature selections will include original documents, essays, historical fiction, novels, diaries, journals, poetry, drama and folktales. Instructional strategies will include interdisciplinary curriculum and differentiated learning, teaching, and assessment strategies for English language learners and students with disabilities. Diverse activities will include utilizing the community, particularly museums, as a laboratory for student learning.
QSTAB 30100 - Fieldwork II: Fieldwork for Literacy Across the Content Areas and Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools

Supervised experiences in classroom applications of QSTA 41000 - Literacy Across the Content Areas and QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools. Students will complete 6 of fieldwork per week for a minimum of 75 contact per semester. Students will develop the ability to apply theoretical concepts and deliver instruction to individuals and small groups of children. Students will design or adapt curriculum that meet the needs of diverse learners, including children with special needs and English language learners.

QSTB 41300 - Psychology of Teaching and Learning

The critical application of psychological theories and principles to classroom instruction, including: learning styles; instructional models; effective teaching; motivation; student diversity; students with special needs; classroom management; and formal and informal assessment.

QSTA 40600 - Mathematics Teaching and Learning in Elementary School

Modern methods for teaching mathematics through understanding in the elementary grades.

Transfer students may be allowed to enroll in QSTA 40600 after completing MATH 10400 and registering for MATH 10500 if their progress through the QUEST program would be delayed by the MATH 10500 prerequisite requirement.

QSTAB 30200 - Fieldwork III: Fieldwork for Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning

Supervised experiences in classroom applications of QSTA 40600: Mathematics Teaching and Learning in Elementary School and QSTB 41300: Psychology of Teaching and Learning. Students will complete 6 of fieldwork per week for a
semester minimum of 75 contact to demonstrate the ability to apply knowledge acquired in the Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning courses to effectively deliver instruction in the content areas to individual children, small work groups, and large groups of children.

prereq: QSTA 41000, 41200, QSTAB 30100
coreq: QSTA 40600, QSTB 41300
75 hrs1 cr.

Total ED Credits 5

Fieldwork 75 hours

Semester V

QSTB 40300 - Social Foundations of Urban Education

Contemporary issues and themes in the social foundations of childhood education viewed from an interdisciplinary perspective. Special emphasis on the role of family and community in the educational process.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000
3 hrs3 cr.

QSTA 40700 - The Arts: An Interdisciplinary Learning Experience

Offered in collaboration with Lincoln Center Institute, this course is designed to introduce teacher candidates to the role of arts in learning across the curriculum. Teacher candidates will experience the creative process through hands-on study of works of art (visual arts, music, theatre, and dance) to enhance the aesthetic sensibilities of students in grades 1-6.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000
3 hrs3 cr.

HED 31400 - Health Education for the Classroom Teacher

The preparation of the elementary educator to assist children in grades 1-6 in making decisions for optimum health and wellness, including nutrition education and fitness; mental/emotional health and conflict resolution; drug education; stress management; safety education including fire safety; family living/sex education including HIV/AIDS education and orientation issues; personal safety and the role of the classroom teacher as a mandated reporter of child abuse and neglect; environmental health; and violence prevention.

prereq: QSTB 20200, QSTF 30100prereq or coreq: QSTF 30200
3 hrs3 cr.

Total ED Credits 6

Semester VI

QSTA 41400 - Teaching Science in Elementary Schools
This course is inquiry-based or process-oriented. Focuses on the doing part of science more than the facts part of science. Includes analysis of local, state and national science standards, working with students from culturally diverse backgrounds, using multimedia technology effectively, and working with parents and the community. Students will be observed in science teaching activities during their co requisite student teaching in science.

**prereq:** QSTA 40600, 41000, 41200, QSTAB 30100  
**coreq:** QSTA 41500  
2 hrs 2 cr.

**QSTA 41500 - Student Teaching**

Supervised student teaching experience in an elementary school setting at one grade level from grades 1-6. Requirements include four full days per week of student teaching for a minimum of 50 days, 30 hours of seminars + conferences, and attendance at professional development workshops.

**prereq:** QSTA 40600, 40700, QSTB 41300, QSTAB 30200, HED 31400  
**coreq:** QSTA 41400  
2 per week of seminar plus student teaching4 cr.

**Total ED Credits 6**

**Fieldwork minimum of 60 days**

**Total Credits 30**

**Note(s)**

*QSTA is a designation for courses offered by the Department of Curriculum and Teaching; QSTB is a designation for courses offered by the Department of Educational Foundations; QSTF is a designation for fieldwork attached to two courses.*

**Religion - BA**

Return to: Religion Program Information

**Major (24 cr)**

At least 18 credits are to be taken from Courses in Religion categories I-IV:

I. Introduction to the field of religion;

II. Theoretical studies in religion;

III. Issues in religion;

IV. Religious traditions.

Both introductory courses (REL 11000, REL 11100) must be taken and followed by at least one course in theoretical studies, one in religious issues and one in religious traditions;

V. Related courses. No more than two courses from this category may be applied toward the major.
On becoming a major the student, in consultation with the director, will select one member of the program in Religion staff as his or her major adviser. Each religion major is required to consult with this adviser at least twice a year.

Religion Program Courses

Introduction to the Field of Religion

REL 11000 - Nature of Religion (W)

GER 2/C
Study of basic facets of religion: God, ethics, worship, faith, myth, ritual, symbolism, etc.
3 hrs3 cr.

REL 11100 - Approaches to Religion (W)

GER 2/C
Different understandings of religion: sociological, anthropological, psychological, philosophical, theological.
prereq: ENGL 12000
3 hrs3 cr.

Theoretical Studies in Religion

ANTHC 30700 - Anthropology of Religion

GER 3/B PD/A
Emphasis on non-Western societies; theories of religion, magic; functions and symbolic meaning.
3 hrs3 cr.

PHILO 26200 - Philosophy of Religion (W)

GER 3/A
Philosophical examination of some religious questions and beliefs.
prereq: one course in philosophy or religion (see statement under Program Prerequisites)
3 hrs3 cr.

REL 27000 - Religion and Psychology (W)

GER 2/C PD/D
An examination of ways in which psychology understands, describes, values (or devalues) religion using the media of text, story and film.
prereq: ENGL 12000
3 hrs3 cr.

SOC 20500 - Religion

GER 3/B
Comparative study of religion in human societies. Analysis of beliefs, myths and sacred attitudes.
prereq: SOC 10100
3 hrs3 cr.
REL 39000 - Modern Theories in Religion (W)

GER 3/A PD/D
An advanced methodology course surveying key issues and main approaches under discussion in the current study of religion when standard methods of interpretation are being subjected to exhaustive critique and revision and new theories are being proposed.

prereq: ENGL 12000, REL 11100 or equiv; at least one other course in religion or a theoretical course offered by participating department, such as ANTHC 30700, PHILO 26200 or SOC 20500; perm instr.

3 hrs3 cr.

REL 26000 - Special Topics: Theoretical Studies in Religion

Specialized study of a methodological approach to the study of religion. Different topic each time offered.

3 hrs3 cr.

REL 36000 - Special Topics: Theoretical Studies in Religion

GER 3/A
Specialized study of a methodological approach to study of religion. Different topic each time offered.

3 hrs3 cr.

Issues in Religion

REL 20400 - Religious Experience (W)

GER 2/C PD/D
Cross-cultural analysis of religious experiences: Biblical, ancient Greek, Asian, modern Western.

prereq: ENGL 12000

3 hrs3 cr.

REL 20500 - Faith and Disbelief (W)

GER 2/C PD/D
Examination of questions of faith and disbelief in modern Western thought.

prereq: ENGL 12000

3 hrs3 cr.

REL 20600 - Ideas of God in Contemporary Western Thought (W)

GER 2/C PD/D
Survey of representative schools of current Western religious thought: Christian theism, metaphysical protest, process theology, feminist theology, liberation theology, beyond theism thought.

prereq: ENGL 12000

3 hrs3 cr.

REL 20700 - Religious Sources for Morality (W)

GER 2/C PD/D
Religious reasons for determining good and evil; religious sources for ethical decisions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 20800 - Religion and Social Justice (W)

GER 2/B PD/D
An exploration into religious perspectives on such social issues as war, race, the economy and gender relations.
prereq: ENGL 12000
3 hrs 3 cr.

REL 30700 - Religious Ideas in Modern Literature (W)

GER 3/A PD/D
Exploration of religious themes in modern literature.
prereq: ENGL 12000
3 hrs 3 cr.

REL 30800 - Religion and the Arts (W)

GER 3/A PD/D
Examination of religious themes in art, music, theatre, cinema, or literature. Different topics each time offered.
prereq: ENGL 12000
3 hrs 3 cr.

REL 30900 - The Religious Meaning of Love and Sex (W)

GER 3/A PD/D
Interdisciplinary investigation of the major ways humankind has understood the relation between the sexually erotic and religious realities.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31000 - The Religious Meaning of Death (W)

GER 3/A PD/D
Consideration of the meaning of death in major world religions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31100 - Women and Religion (W)

GER 3/A PD/C
An examination of the role of women and the concept of the feminine in world religions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31200 - Religion and Politics (W)

GER 3/A PD/D
The role of political ideology in the shaping of religious belief and theology's influence on politics in Western and non-
Western traditions, both conservative and radical.

**REL 31300 - Spirit and Nature (W)**

GER 3/A PD/D
An exploration of the ideas of nature and animal life in a representative sampling of the religious traditions of the world, inquiring into the implications for environmental policy and the treatment of animals.

*prereq: ENGL 12000
3 hrs 3 cr.*

**REL 31500 - The Problem of Evil (W)**

GER 3/A PD/D
Exploration of the religious meaning of evil in different cultures.

*prereq: ENGL 12000
3 hrs 3 cr.*

**REL 33400 - Mysticism (W)**

GER 3/A PD/D
Cross-cultural exploration of mystical experience and mystical doctrines, as well as an exploration of the various methods of studying them.

*prereq: ENGL 12000
3 hrs 3 cr.*

**REL 33500 - Myth and Ritual (W)**

GER 3/A PD/D
Cross-cultural exploration of myth and ritual and their place in various cultures; methodologies for analysis.

*prereq: ENGL 12000
3 hrs 3 cr.*

**REL 34000 - Homosexuality in World Religions (W)**

GER 3/A PD/C
A survey and analysis of typical ways in which homosexuality has been understood, evaluated and in some cases institutionalized in a variety of religious traditions, attending especially to implicit constructions of gender.

*prereq: ENGL 12000
3 hrs 3 cr.*

**REL 26100 - Special Topics: Issues in Religion**

Study of particular religious topics or thinkers. Different subject each time offered.

*3 hrs 3 cr.*

**REL 36100 - Special Topics: Issues in Religion**
GER 3/A
Study of particular religious topics or thinkers. Different subject each time offered.
3 hrs 3 cr.

Religious Traditions

Eastern Religions

**REL 25100 - Eastern Religions (W)**

GER 2/C PD/A
Study of Hinduism, Buddhism, Jainism, Taoism and Confucianism.
*prereq: ENGL 12000*
3 hrs 3 cr.

**REL 32000 - Hinduism (W)**

GER 3/A PD/A
Study of Hinduism, its development, history, literature, philosophy and religious practices.
*prereq: ENGL 12000*
3 hrs 3 cr.

**REL 32100 - Buddhism (W)**

GER 3/A PD/A
Study of Buddhism, its development, history, literature, philosophy and religious practices.
*prereq: ENGL 12000*
3 hrs 3 cr.

**REL 33600 - Zen (W)**

GER 3/A PD/A
An inquiry into the teachings of Chinese and Japanese Zen in light of their Buddhist and Daoist backgrounds.
*prereq: ENGL 12000*
3 hrs 3 cr.

**PHILO 21900 - Asian Philosophies**

GER 3/A PD/A
Readings from classics of Indian, Chinese and Japanese philosophy drawn from traditions of Buddhism, Hinduism, Taoism and Confucianism.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

African and Afro-American Religions

**REL 25600 - Afro-Caribbean Religions (W)**
GER 2/C PD/B
An introduction to the diversity of African-based religions in the Caribbean and beyond.
*prereq: ENGL 12000
3 hrs 3 cr.

**AFPRL 22000 - African Spirituality in the Diaspora**

GER 2/C PD/A or B
The nature and expressions of the spiritual ethos enabling the survival of classical African human values in dehumanizing circumstances during and after enslavement in North America, South America and the Caribbean.
3 hrs 3 cr.

**AFPRL 32200 - African World View: Philosophy and Symbolic Thought (W)**

GER 3/A PD/A
Examination of African religious systems, metaphysical conceptions and philosophy.
*prereq: AFPRL 22200 or perm instr.
3 hrs 3 cr.
*offered every other sem.*

**AFPRL 32300 - Islam and Christianity in Africa (W)**

GER 3/A
Examination of relationship of Islam and Christianity to primary African religion and their political role in African history.
*prereq: AFPRL 201 or 202 or 222 or perm instr.
3 hrs 3 cr.*

**AFPRL 36200 - Puerto Rican and Caribbean Religious Practices (W)**

GER 3/A PD/A or B
Reading knowledge of Spanish suggested. Analysis of roots of folk religion in Indian, African and Spanish cultures. Religious syncretisms, popular imagery and ritual practices.
*prereq: AFPRL 14100 or 24300
3 hrs 3 cr.*

**AFPRL 42000 - The Black Church and Social Change**

GER 3/B
In-depth study of the sociopolitical role of Black church in political struggle of Black people with special emphasis on America.
*prereq: AFPRL 20300 or 20400 or 20500 or perm instr.
3 hrs 3 cr.*

Western Religions

**REL 25200 - Ancient Near Eastern Religions (W)**

GER 2/C PD/A
Study of Egyptian religion, religions of Sumer and Babylonia, religion of the early Hebrews (including the Old
REL 25300 - Western Religions (W)

GER 2/C PD/D
Survey of major Western religions – Christianity, Judaism, Zoroastrianism and Islam.
prereq: ENGL 12000
3 hrs 3 cr.

REL 25500 - Religions of Two Gods (W)

GER 2/C PD/A
A survey of historical varieties of dualistic religion both classical and modern which inquires into the moral grounds for their recurring appeal.
prereq: ENGL 12000
3 hrs 3 cr.

HEBR 24000 - Introduction to the Old Testament

GER 2/C PD/A
Survey of the books of the Old Testament, their form, content and cultural background. Introduction to the tools and methods of modern biblical criticism.
3 hrs 3 cr

HEBR 25900 - Old Testament Religion

GER 2/C PD/A
Comprehensive survey of ancient Israelite religious practice, expression and thought as reflected in Hebrew Bible.
3 hrs 3 cr

HEBR 28600 - Ancient Near Eastern Literature and the Bible

GER 3/A PD/A
Comparative study of ancient Near Eastern literature and the Hebrew Bible.
3 hrs 3 cr

HEBR 29200 - The Hebrew Prophets

GER 2/C PD/A
Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical and religious thought.
3 hrs 3 cr

HEBR 29400 - Job, Ecclesiastes and the Human Predicament

GER 3/A PD/A
Study of form, content and religious significance of these two enigmatic masterworks.
3 hrs 3 cr
HIST 21000 - History of Judaism

GER 2/B
Survey of the Jewish religious tradition with attention to interactions between Judaism and other religions and to the role of Judaism in the formation of Christianity and Islam.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 30900 - Jewish History in the Ancient World

GER 3/B PD/A
The Jewish people from its origins in late antiquity; social and intellectual developments from biblical to Talmudic times.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 31000 - Jewish History in the Medieval and Early Modern Periods

GER 3/B PD/D
The Jewish people from late antiquity to 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 32000 - Jewish History in the Modern World (W)

GER 3/B PD/D
From the 18th century to the present: Enlightenment, Jewish emancipation and nationalism, a Jewish state; anti-Semitism and the Holocaust; recent trends.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

CLA 30300 - Religion of Ancient Greece (W)

GER 3/A
The Ancient Greek religious experience: official rites, mystery cults, oracles, personal religious belief, and practice.
prereq: ENGL 12000, CLA 10100 or 20100
3 hrs 3 cr.

CLA 30400 - Pagans and Christians (W)

GER 3/A PD/D
Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

REL 33000 - New Testament Religion (W)
GER 3/A PD/D
Prereq: ENGL 12000
3 hrs 3 cr.

REL 32300 - Christianity (W)

GER 3/A PD/D
Analysis of the Christian religion which employs methodologies of the academic study of religion and which aims to uncover the unity of Christian faith embodied in its various expressions.
Prereq: ENGL 12000
3 hrs 3 cr.

REL 33300 - Christian Theology (W)

GER 3/A PD/D
An examination of key doctrines in Christian thought such as trinity, incarnation, existence of God and grace.
Prereq: ENGL 12000
3 hrs 3 cr.

HIST 31400 - Ancient and Medieval Christianity (W)

GER 3/B PD/D
The development of Christianity from Jesus to Luther; theology and mysticism, lay and monastic spirituality; the papacy and dissidents; gender and sexuality; relations with Judaism and Islam.
Courses at the 300-level and above not offered to freshmen.
Prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 31500 - Christianity in Modern Times

GER 3/B
Not offered to freshmen. Transformation of Christianity since the Reformation, Enlightenment and modern political and intellectual challenges.
3 hrs 3 cr.

HIST 31600 - History of Religion in the United States

GER 3/B
Changing European churches and indigenous American sects; their architecture, leaders and ideas.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

REL 32200 - Islam (W)

GER 3/A PD/A
Study of Islam, its development, history, literature, philosophy and religious practices.
Prereq: ENGL 12000
3 hrs 3 cr.
REL 32400 - Islam and Buddhism (W)

GER 3/A PD/A
Study of Islam and Buddhism, their founders, development, beliefs, rituals and interaction.
prereq: ENGL 12000
3 hrs 3 cr.

REL 33700 - Sufism (W)

GER 3/A PD/A
A course on the esoteric or mystical dimension of Islam, known among Muslims as ta'awwuf, attending to the history, doctrine and metaphysics of the Sufi path.
prereq: ENGL 12000
3 hrs 3 cr.

Tribal Religions

REL 25400 - Tribal Religions: From Australia to the Americas (W)

GER 2/C PD/A or B
Study of indigenous religions of Pacific Islanders and North American Indians.
prereq: ENGL 12000
3 hrs 3 cr.

Special Topics in Traditions

REL 26200 - Special Topics: Religious Traditions

Specialized study of specific religious traditions or groups of traditions. Different topic each time offered.
3 hrs 3 cr.

REL 36200 - Special Topics: Religious Traditions

GER 3/A
Specialized study of specific religious tradition or groups of traditions. Different topic each time offered.
3 hrs 3 cr.

Independent Study

REL 41000 - Independent Study in Religion

Open to majors only. Individual research and writing on topic in religion under supervision of a religion professor.
prereq: perm chair
hrs TBA 1-6 cr.

Honors

To qualify for departmental honors, a student must take either of the following completing either with a grade of B or above and achieving a final GPA in religion major courses of at least 3.5 and a final cumulative GPA of at least 3.0.
REL 45000 - Honors Seminar in Religion

Specialized study in religion. For religion majors or other advanced religion students. Different topic each time offered. May be taken a second or third time with another subject. One topic offered under REL 45000 or 49000 satisfies the course requirements for departmental honors.

prereq: five courses in religion or a major/CUNY-BA focus in religion and perm instr. or program director
3 hrs 3 cr.

REL 49000 - Honors Tutorial in Religion

Open to majors only. Individual research and writing on topic in religion under supervision of Religion Honors Committee. REL 49000 or one topic offered under REL 45000 satisfies the course requirements for departmental honors.

prereq: perm chair
hrs TBA 3-6 cr.

Related Courses

AFPRL 14100 - Puerto Rican Folklore

GER 2/C PD/A or B
Study of Puerto Rican folklore: traditional beliefs, legends, religious rites and typical music.
3 hrs 3 cr.

AFPRL 22200 - African Civilization

GER 2/C PD/A
Introduction to study of African civilization.
3 hrs 3 cr.

CHIN 11100 - Chinese Culture I

GER 2/C PD/A
Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English.
3 hrs 3 cr.

CHIN 11200 - Chinese Culture II

GER 2/C PD/A
Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.
3 hrs 3 cr.

CLA 10100 - Classical Mythology

GER 2/C PD/D
Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and theories.
3 hrs 3 cr.
CLA 30200 - Comparative Backgrounds of Classical Mythology (W)

GER 3/A PD/D
Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hittite, Ugaritic, and Celtic myths.
prereq: ENGL 12000; CLA 10100
3 hrs 3 cr.

HEBR 21400 - Maimonides' Guide to the Perplexed

GER 3/A PD/D
Study of this work in English with reference to Maimonides' influence on development of medieval Aristotelianism.
3 hrs 3 cr

HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)

GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.
3 hrs 3 cr

HEBR 28400 - Images of Women in the Old Testament, in Translation

GER 3/A PD/C
Depiction of women in ancient Israelite prose and poetry. Close reading and analysis of texts in terms of literary techniques, cultural background and ideological implications.
3 hrs 3 cr.

HEBR 28800 - Ancient Hebraic Folklore

GER 2/C PD/A
Analysis and comparative study of folk beliefs, practices and literature reflected in Hebrew Bible, apocalyptic literature and rabbinic Aggada.
3 hrs 3 cr

HEBR 29000 - Biblical Archaeology

GER 2/C PD/A
Study of Biblical sources in translation in relation to major archaeological discoveries in Israel and Near East.
3 hrs 3 cr

HEBR 29500 - Ancient Hebrew Law

GER 2/C PD/A
Historical and comparative study of Biblical and rabbinic law.
3 hrs 3 cr

HEBR 29600 - The Dead Sea Scrolls in English

GER 3/A PD/A
Readings in the various genres of the scrolls; historical background of Qumran sect; significance of the scrolls for study
of Judaism and Christianity.
3 hrs 3 cr

ANTHC 30600 - Folklore and Myth

GER 3/B
Cultural and psychological functions and symbolic meanings.
3 hours 3 credits

Minor in Religion

The Minor in Religion consists of four courses for a total of 12 credits.

The following two courses are required:

REL 11000 - Nature of Religion (W)

GER 2/C
Study of basic facets of religion: God, ethics, worship, faith, myth, ritual, symbolism, etc.
3 hrs 3 cr.

REL 11100 - Approaches to Religion (W)

GER 2/C
Different understandings of religion: sociological, anthropological, psychological, philosophical, theological.
prereq: ENGL 12000
3 hrs 3 cr.

Also required for the Minor in Religion:

a) one course to be chosen from those listed under the category “Religious Traditions”; and

b) one course from the category “Issues in Religion” reflecting a theme central to the religious tradition in which the student has chosen to focus, to be selected in consultation with a Religion Program adviser.

At least one course presented in satisfaction of the minor must be a 300-level course.

Romance Languages - BA

Honors

Students qualified to graduate with departmental honors must take an honors course or equivalent approved by the departmental advisers. Departmental honors will be conferred upon a recommendation from the appropriate departmental committee. Candidates must present a paper of at least 7,000 typewritten words in the language of specialization. Consult the department for further information.

Graduate Study
Qualified seniors with a minimum GPA of 3.5 in their discipline may be admitted to graduate level courses. Permission must be secured from the chair and then forwarded to the dean. Consult the graduate catalog for requirements and regulations.

Major (36 cr)

Intended for students who want to specialize in two Romance languages.

- Required: 34100 and 34200 in each of two chosen languages (12 cr)
- and -

- 9 credits in advanced literature in each of the two languages (18 cr)
- 3 credits in culture or translation in each of the two languages (6 cr)

Minor (12 cr)

Students majoring in one or more Romance languages take as a minor 12 credits in one field of study that leads to a BA degree, which must be approved by the departmental adviser.

Minor for Non-Majors

Students wishing to minor in a Romance Languages major must consult with their major departmental adviser for course approval of their 12 minor credits.

Study Abroad

All study abroad programs are open to students from Hunter College and other accredited institutions. Majors and minors in the Department of Romance Languages are strongly encouraged to participate in study abroad programs (see adviser for GPA requirements).

Qualified students can apply for financial aid and STOCS grants.

Russian - BA

Return to: Classical and Oriental Studies

Major

The Russian major consists of no fewer than 24 credits chosen among courses in the language beyond RUSS 10100 and RUSS 10200.

I. Russian language sequence: for students who want to acquire native fluency in spoken and written Russian and a thorough knowledge of Russian literature.

II. Russian language and culture sequence: for students whose interests lie in the arts rather than in language. With the permission of the division head, a limited number of courses in translation may be applied to the major sequence.
III. Concentration in Russian and East Central European Studies (RECE): This new concentration within the Russian program draws on a variety of disciplines in combination with courses from the Division of Russian and Slavic Studies. Requirements for RECE include Russian or Slavic language proficiency or a pre-or corequisite of 6 credits in Russian or Slavic language at the 20200 (intermediate) level or above and 18 credits distributed as follows: Russian or East Central European history (3 cr.); RECE area political science (3 cr.); Russian or East Central European literature, culture or arts (3 cr.); and three additional 200- or 300-level courses chosen from two of the following categories: anthropology, economics, geography, history, political science and literature, culture or arts. Students should select courses in consultation with their RECE adviser. In addition to their 18-to 24-credit concentration, students are strongly urged to choose 12 minor credits from disciplines related to RECE.

Electives

All courses offered by the Russian Division are open to qualified students for elective credit.

Preparation for teaching in Grades 7-12

In cooperation with the School of Education, the program in Russian provides opportunities for students to prepare for a career in teaching Russian in grades 7-12. Students preparing to teach Russian must complete a 33-credit major option for teaching that includes the 24-credit sequence taken by non-teaching majors plus 9 additional credits: RUSS 39900 and 6 additional credits in Russian language and literature at the 300 or 400 level. Students interested in teaching Russian in New York Schools should take the 23-credit pedagogical sequence for grades 7-12. This sequence may count toward the course requirements for New York State Certification, but will not by itself be sufficient for certification. Students interested in a teaching career should consult with the School of Education.

Minor in Russian

The minor in Russian consists of no fewer than 12 credits. Courses taken toward the Russian minor could follow two tracks: the Russian language minor or the Russian literature and culture minor.

Students wishing to minor in Russian should either pass a proficiency test or take the language sequences of

**RUSS 10100 - Elementary Russian**

Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 101 not credited without RUSS 102.

2 sems, 3 hrs 3 cr. each sem.

**RUSS 10200 - Elementary Russian**

Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 10100 not credited without RUSS 10200.

2 sems, 3 hrs 3 cr. each sem.

**RUSS 20100 - Intermediate Russian I**
Selected readings in prose. Continued practice in written and spoken Russian. Grammar review.  
*prereq: RUSS 10200 or 10300*  
3 hrs3 cr.

**RUSS 20200 - Intermediate Russian II**

Selected readings in Russian literature. Practice in oral and written expression.  
*prereq: RUSS 20100  
3 hrs3 cr.*  
-or-  
**RUSS 10300 - Elementary Russian for Heritage Speakers (Intensive)**

Intensive study of the Russian language for heritage speakers who seek to gain literacy in the language. Two semesters in one.  
6 hrs6 cr.

**RUSS 20300 - Intermediate Russian for Heritage Speakers (Intensive)**

Intensive study of the Russian language for heritage students who seek to improve literacy in the language. Not open to students who have taken RUSS 20100 RUSS 20200 sequence. Two semesters in one.  
*prereq: RUSS 10300 or instructor's permission.*  
6 hrs6 cr.

**Track I: Russian Language Minor**

Prerequisite  
**RUSS 20200 - Intermediate Russian II**

Selected readings in Russian literature. Practice in oral and written expression.  
*prereq: RUSS 20100  
3 hrs3 cr.*  

Students are expected to take  
**RUSS 30100 - Advanced Russian I**

Speaking, writing and reading Russian. Sentence structure; oral and written reports.  
*prereq: RUSS 20200 or equiv.*  
3 hrs3 cr.

**RUSS 30200 - Advanced Russian II**

GER 3/A  
Reading and critical analysis of selected literary and journalistic texts. Consideration of levels of style, problems of
idiom and syntax. Written and oral reports.

*prereq: RUSS 20200 or equiv
3 hrs3 cr.

**RUSS 31700 - Practical Aspects of Translation**

Introduction to techniques of translation. Translations of political, journalistic, commercial, scientific and literary texts.

*prereq: RUSS 20200 or equiv.
3 hrs3 cr.

-or-

**RUSS 31800 - Advanced Translation**

Continuation of RUSS 317 on an advanced level. Further development of skills in translating diverse materials from Russian to English and from English to Russian.

*prereq: ENGL 12000, RUSS 31700 or equiv; RUSS 20200 or equiv.
3 hrs3 cr.

-or-

**RUSS 31900 - Business Russian**

Increase mastery of Russian vocabulary, style and syntax for translating and composing diverse business materials in such fields as finance, insurance, litigation, advertising and labor relations. Conducted in Russian.

*prereq: RUSS 20200 or equiv.
3 hrs3 cr.

plus one literature course taught in Russian.

**Track II: Russian Literature and Culture Minor**

Prerequisite

**RUSS 20200 - Intermediate Russian II**

Selected readings in Russian literature. Practice in oral and written expression.

*prereq: RUSS 20100
3 hrs3 cr.

**RUSS 30100 - Advanced Russian I**

Speaking, writing and reading Russian. Sentence structure; oral and written reports.

*prereq: RUSS 20200 or equiv.
3 hrs3 cr.

**RUSS 30200 - Advanced Russian II**

GER 3/A
Reading and critical analysis of selected literary and journalistic texts. Consideration of levels of style, problems of idiom and syntax. Written and oral reports.
prereq: RUSS 20200 or equiv
3 hrs3 cr.

and two literature or culture courses conducted either in Russian or in English. Literature courses may be
substituted for language courses in the Literature and Culture Minor with permission by the head of the
program.

Courses in Russian and Slavic Studies

POL 10100 - Elementary Polish

2 sems, 6 hrs6 cr.

POL 20100 - Intermediate Polish I

prereq: POL 10200
3 hrs3 cr.

POL 20200 - Intermediate Polish II

prereq: POL 20100
3 hrs3 cr.

POL 25000 - Topics in Polish Literature

PD/D
Example: the 19th century Polish novel.
3 hrs3 cr.

POL 30000 - Independent Study in Polish Language and Literature

3 hrs3 cr.

RUSS 10100 - Elementary Russian

Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 101 not credited without
RUSS 102.
2 sems, 3 hrs3 cr. each sem.

RUSS 10200 - Elementary Russian

Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 10100 not credited without
RUSS 10200.
2 sems, 3 hrs3 cr. each sem.

RUSS 10300 - Elementary Russian for Heritage Speakers (Intensive)

Intensive study of the Russian language for heritage speakers who seek to gain literacy in the language. Two semesters
in one.
6 hrs 6 cr.

**RUSS 15500 - The Culture of Old Russia**

GER 2/C PD/D
Religion, art, architecture and daily life in medieval Russia.
*prereq: ENGL 12000*  
3 hrs 3 cr.

**RUSS 15600 - Culture of Imperial Russia: the Age of Empresses**

GER 2/C PD/C  
Major cultural movements of the Empire baroque, classicism, romanticism and their effect on the cultural fabric of Russia from Regent Sophia through the reign of Peter to Catherine the Great.  
cross-listed WGS 15600  
*prereq: ENGL 12000*  
3 hrs 3 cr.

**RUSS 15700 - The Age of the Great Masters**

GER 2/C PD/D  
Russian culture as shaped by the great masters of Russian literature, art and music in the late 19th and early 20th centuries.  
*prereq: ENGL 12000*  
3 hrs 3 cr.

**RUSS 15800 - Contemporary Russian Culture**

GER 2/C  
Survey of Russian culture from Stalin to present exploring the relationship between the arts and the state apparatus. Consideration of such figures as Pasternak, Solzhenitsyn, Yevtushenko, Prokofiev, Tarkovsky and the Taganka Theatre.  
*prereq: ENGL 12000*  
3 hrs 3 cr.

**RUSS 20100 - Intermediate Russian I**

Selected readings in prose. Continued practice in written and spoken Russian. Grammar review.  
*prereq: RUSS 10200 or 10300*  
3 hrs 3 cr.

**RUSS 20200 - Intermediate Russian II**

Selected readings in Russian literature. Practice in oral and written expression.  
*prereq: RUSS 20100*  
3 hrs 3 cr.

**RUSS 20300 - Intermediate Russian for Heritage Speakers Intensive**
Intensive study of the Russian language for heritage students who seek to improve literacy in the language. Not open to students who have taken RUSS 20100 RUSS 20200 sequence. Two semesters in one.

prereq: RUSS 10300 or instructor’s permission.
6 hrs 6 cr.

RUSS 24500 - Russian Folklore: Slavic Myths and Traditions

Common Slavic myths, traditions and social structures.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 24600 - Special Topics in Slavic Literature and Cultures

Sample topic: fairy tales, satire.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 25000 - 19th Century Russian Literature in English Translation (W)

GER 2/C PD/D
Pushkin's Eugene Onegin, Lermontov's Hero of Our Time, Gogol's Dead Souls, Turgenev's Fathers and Sons and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25100 - Tolstoy and Dostoevsky in English Translation (W)

GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Dostoevsky's The Brothers Karamazov and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25200 - Modern Russian Literature in English Translation (W)

GER 2/C PD/D
Gorky, Mayakovskiy, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25300 - Russian Theater in English Translation (W)

GER 2/C PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Chekhov, Pushkin, Gogol and others.
prereq: ENGL 12000
3 hrs 3 cr.
RUSS 25400 - The Silver Age of Russian Literature in English Translation (W)

GER 2/C PD/D
Major writers and movements of the years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.

prereq: ENGL 12000
3 hrs3 cr.

RUSS 25500 - Russian Folklore, in Translation (W)

GER 2/C PD/D
Common Slavic myths and traditions.

prereq: ENGL 12000
3 hrs3 cr.

RUSS 25600 - Special Topics in Slavic Literatures and Cultures in English Translation

PD/D
Examples: the Russian cinema, Nabokov.

prereq: ENGL 12000
3 hrs3 cr.

RUSS 25700 - Masterpieces of Russian Literature in English Translation

Examples: Chekhov's short stories or plays, Nabokov.

prereq: ENGL 12000
1 hr1 cr.

RUSS 25800 - Masterpieces of Russian Literature in English Translation

Example: Pasternak's Dr. Zhivago.

prereq: ENGL 12000
1 hr1 cr.

RUSS 25900 - Masterpieces of Russian Literature in English Translation

Examples: Solzhenitsyn's Gulag, Pushkin stories, Gogol stories.

prereq: ENGL 12000
1 hr1 cr.

RUSS 26000 - Russian Women Writers in English Translation (W)

GER 3/A PD/C

cross-listed WGS 26000 (W)

prereq: ENGL 12000
3 hrs3 cr.
RUSS 27000 - Soviet and Post-Soviet Cinema and Society (W)

GER 2/C
Exploration of how Soviet cinema affected the cultural aesthetic sensibilities of the Russian people through its influence on Russian literature, theater and painting. Analysis of works of film directors, film theoreticians, writers, theatrical directors and artists.
3 hrs3 cr.

RUSS 29300 - Folklore in Translation: A Comparative Study

PD/A
Folklore of Australia, Oceania, Europe, Africa, North and South America and the Near East will be read in juxtaposition to Russian folklore.
prereq: ENGL 120
3 hrs3 cr.

RUSS 29400 - Folklore and Literature (W)

GER 3/A PD/D
Students will be introduced to basic concepts of literature and folklore to increase, through a comparative study, their understanding and appreciation of both art forms. Works in English of major Russian writers such as Pushkin, Gogol and Pilnyak will be read in juxtaposition with folklore genres in search of how literary texts mirror folklore subjects. European, African and South American literature and folklore will be introduced for comparative purposes.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 29500 - The Vampire in Lore and Literature

GER 2/C
Comparative study of the vampire in various folk and literary traditions from ancient Greece to the 21st century.
prereq: ENGL 22000
3 hrs3 cr.

RUSS 29600 - Vladimir Nabokov Between Two Cultures

GER 3/A
Nabokov as a bilingual writer, including major works originally written in Russian and in English: Priglashenie na kazn' (Invitation to a Beheading); Dar (The Gift); Drugie Berega (Other Shores); Speak, Memory; Pnin; Lolita and Pale Fire.
prereq: ENGL 22000 or perm dept.
3 hrs3 cr.

RUSS 29700 - The Russian Urban Novel in English Translation (W)

GER 3/A
The interaction of a theme (the city) and a genre (the novel). Crime and Punishment, The Master and Margarita, We and others in their comparative context.
prereq: ENGL 22000 or perm dept.
3 hrs3 cr.
RUSS 30100 - Advanced Russian I

Speaking, writing and reading Russian. Sentence structure; oral and written reports.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 30200 - Advanced Russian II

GER 3/A
Reading and critical analysis of selected literary and journalistic texts. Consideration of levels of style, problems of idiom and syntax. Written and oral reports.
prereq: RUSS 20200 or equiv
3 hrs 3 cr.

RUSS 31200 - Advanced Russian Conversation I

Conversation and oral exercises; discussions based on readings of social and cultural interest. Introduction to oral interpreting.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31300 - Advanced Russian Conversation II

Literary, political, social, scientific vocabulary. Scholarly reports and practical exchanges on selected topics.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31400 - Advanced Russian Grammar

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31500 - Advanced Russian Grammar and Stylistics

Practice in written composition; consideration of verbal aspects, cases, syntax and idiomatic language.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31700 - Practical Aspects of Translation

Introduction to techniques of translation. Translations of political, journalistic, commercial, scientific and literary texts.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31800 - Advanced Translation

Continuation of RUSS 317 on an advanced level. Further development of skills in translating diverse materials from Russian to English and from English to Russian.
prereq: ENGL 12000, RUSS 31700 or equiv; RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31900 - Business Russian

Increase mastery of Russian vocabulary, style and syntax for translating and composing diverse business materials in such fields as finance, insurance, litigation, advertising and labor relations. Conducted in Russian.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 32100 - Russian Short Story and Novella

GER 3/A PD/D
Analysis of various texts and readings from Gogol, Chekhov, Babel, Solzhenitsyn.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 32200 - Classical Russian Poetry

GER 3/A PD/D
Major poets from the late 18th to mid-19th century, including Lomonosov, Derzhavin, Pushkin, Lermontov and Nekrasov.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 32300 - Modern Russian Poetry

GER 3/A PD/D
Major poets of the late 19th and 20th centuries, including Fet, Tютчев, Blok, Mayakovskiy, Esenin, Pasternak, Yevtushenko.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 32400 - Literature of Kievan Rus' and Early Russian Literature through the Age of Classicism

GER 3/A
Major literary works of the Kievan period, 968 to 1237: The Primary Chronicle, The Tale of Igor's Campaign.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34000 - 19th Century Russian Literature

GER 3/A
Pushkin's Eugene Onegin, Lermontov's Hero of Our Time, Gogol's Dead Souls, Turgenev's Fathers and Sons and others.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34100 - Tolstoy and Dostoevsky
GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Anna Karenina, Dostoevsky's The Brothers Karamazov and others.
_prereq:_ RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34200 - Modern Russian Literature

GER 3/A PD/D
Gorky, Mayakovsky, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.
_prereq:_ RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34400 - Russian Theater

GER 3/A PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Pushkin, Gogol, Chekhov and others.
_prereq:_ RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34400 - The Silver Age of Russian Literature

GER 3/A PD/D
Major writers and movements of years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.
_prereq:_ RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 36000 - Russian Women Writers

GER 3/A PD/C
_cross-listed_ WGS 36100
_prereq:_ RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 37000 - Independent Study in Slavic Literatures and Cultures

_prereq:_ ENGL 120
3 hrs 3 cr.

RUSS 39900 - Second Language Acquisition

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.
_prereq:_ at least three courses at the 300 level in the language, ENGL 120
3 hrs 3 cr.
RUSS 49100 - Honors Project

Open to Russian majors only. Essay.

prereq: RUSS 20200 or equiv.

3 hrs 3 cr.

UKR 30000 - Independent Study in Ukrainian Language and Literature

3 hrs 3 cr.

Social Studies (BA): Additional Required Coursework and Student Teaching

Return to: Adolescent Education, Grades 7-12

Return to: Geography Major, Social Studies Option

Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool- community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

3 hrs 3 cr.

SEDF 20400 - Adolescent Development

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

2 hrs per week plus 36 hrs fieldwork 2 cr.

SEDF 20500 - Educational Psychology: Applications in Grades 7-12

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

prereq: SEDF 20300, 20400

2 hrs per week plus 36 hrs fieldwork 2 cr.

SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.
prereq: SEDF 20500, SEDC 21000
2 per week plus lab2 cr.

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.
3 hrs3 cr.

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.
prereq: SEDF 20300, 20400
1 hr1 cr.

**Note**

*Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.*

**Additional Required Coursework and Student Teaching**

**SEDC 21500 - Methods I: Classroom Organization, Management, and Instruction in Social Studies, Grades 7-12**

Rationales and methodologies for teaching social studies based on current theories of the nature of students, the social sciences and secondary schooling.
prereq or coreq: SEDF 20300, 20400
3 hrs3 cr.

**SEDC 32500 - Methods II: Teaching Diverse Learners in Social Studies, Grades 7-12**

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in the social studies. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.
prereq: SEDC 21500prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork2 cr.

**SEDC 45500 - Student Teaching in Social Studies, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified social studies teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.
prereq: SEDC 32500
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

Sociology - BA

Major

The department recommends a GPA of at least 2.3 when declaring the major. Prospective majors should also have already taken several sociology courses at Hunter.

In addition to the following, the sociology major consists of 27 credits

SOC 10100 - Introduction to Sociology

GER 2/B
Development of sociological imagination through introduction and application of basic concepts incorporating global and comparative perspectives.
3 hrs3 cr.

Six of these credits must include

SOC 24000 - Introduction to Research Methods

GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.
prereq: SOC 10100
3 hrs3 cr.

SOC 24100 - Social Statistics

GER 3/B
Application of elementary statistical techniques. Introduction to statistical inference and sampling theory.
prereq: SOC 10100
3 hrs3 cr.

Six credits must be in

SOC 22100 - Classical Sociological Theory

GER 3/B PD/D
Classical theorists and their contributions.
prereq: SOC 10100
3 hrs3 cr.

SOC 22300 - Current Sociological Theory
GER 3/B
Significance of concepts and nature of evidence applied to leading theories. Theory construction.
prereq: SOC 10100, SOC 22100, major
3 hrs 3 cr.

Of the remaining 15 credits, at least 6 must be in courses at the 300 level or above.

No more than 3 credits from the following may be used to satisfy this requirement.

**SOC 33100 - Field Placement in Social Work Agencies**

GER 3/B
Supervised work in social service agency, weekly seminar, preparation of weekly assignments and term paper.
prereq: SOC 10100, perm instr.
8 hrs per week 3 cr.

**SOC 33200 - Advanced Field Placement in Social Work Agencies**

GER 3/B
Supervised work in social service agency, weekly seminar, agency-based research project.
prereq: SOC 10100, SOC 33100 or documented equiv. experience in social work agency, perm instr.
8 hrs per week 3 cr.

**SOC 37101 - Independent Study**

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.
prereq: SOC 10100, perm instr.
1 hr 1 cr

**SOC 37200 - Independent Study**

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.
prereq: SOC 10100, perm instr.
3 cr. each sem

**SOC 47100 - Honors/Independent Study**

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

**SOC 47200 - Honors/Independent Study**
GER 3/B  
Advanced independent research project under direction of full-time member of department.  
*prereq: SOC 10100, perm instr.*  
3 cr. each sem

**SOC 49800 - Internship**

GER 3/B  
Open to advanced majors only. Placement of qualified sociology majors off campus in professional nonsocial service internship settings. Credits are based on analytic internship report, number of hours worked and by written evaluation by agency/company intern supervisor.  
*prereq: SOC 22100 or 22300 and SOC 24000; major; perm supervising full-time faculty*  
hrs TBA3-6 cr.

**Minor**

Students choosing to minor in sociology should consult a sociology adviser to determine their selection of courses.  
Students minoring in sociology must take

**SOC 10100 - Introduction to Sociology**

GER 2/B  
Development of sociological imagination through introduction and application of basic concepts incorporating global and comparative perspectives.  
3 hrs3 cr.  
and

**SOC 22100 - Classical Sociological Theory**

GER 3/B PD/D  
Classical theorists and their contributions.  
*prereq: SOC 10100*  
3 hrs3 cr.  
as well as one additional course on the 200-level and one recommended on the 300-level

**Special Programs**

**The COR Program**

The departments of psychology, anthropology, and sociology jointly offer a program called COR (Career Opportunities in Research and Education). This interdisciplinary research training program for talented minority juniors and seniors is funded by the National Institute of Mental Health. Participants receive a monthly stipend, tuition and fee remittance; they take a special curriculum, and get individualized research training in a variety of areas under the supervision of a faculty mentor. The program has several levels of participation, and all minority students - especially freshmen and sophomores - intending to pursue a research-related career in the participating disciplines are urged to register with the program. Additional details and descriptive literature are available from the COR program adviser.

**Independent Study**
Students may pursue independent study through

**SOC 37101 - Independent Study**

GER 3/B  
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.  
*prereq: SOC 10100, perm instr.*  
1 hr 1 cr

**SOC 37200 - Independent Study**

GER 3/B  
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.  
*prereq: SOC 10100, perm instr.*  
3 cr. each sem  
 or

**SOC 47100 - Honors/Independent Study**

GER 3/B  
Advanced independent research project under direction of full-time member of department.  
*prereq: SOC 10100, perm instr.*  
3 cr. each sem

**SOC 47200 - Honors/Independent Study**

GER 3/B  
Advanced independent research project under direction of full-time member of department.  
*prereq: SOC 10100, perm instr.*  
3 cr. each sem

**Additional Information**

These options allow students to initiate and carry out a course of study of their own choosing under the guidance of a full-time faculty sponsor. Students must have a written proposal and a general plan of study to submit to the potential faculty mentor.

**Honors**

In order to graduate with departmental honors in sociology, students must have a 3.0 GPA overall and a 3.5 GPA in sociology; at least 21 of the credits toward the major should have been courses taken at Hunter College.

Students must complete either an Honors Seminar

**SOC 47300 - Honors Seminar**
GER 3/B
Honors paper.
prereq: SOC 10100, perm instr.
3 cr. each sem

**SOC 47400 - Honors Seminar**

GER 3/B
Honors paper.
prereq: SOC 10100, perm dept.
3 cr. each sem

or an Honors Independent Study

**SOC 47100 - Honors/Independent Study**

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

**SOC 47200 - Honors/Independent Study**

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

or a graduate course

**SOC 42500 - Seminar in Selected Problems of Sociology**

GER 3/B
Advanced seminar: reading, discussion, and papers on significant problems in sociology and in applied social research; in most cases cross-listed with graduate social research course or seminar.
prereq: SOC 10100, perm instr.
3 hrs3 cr

**Additional Information**

Students whose GPAs are within this range are urged to consult their adviser before planning senior year programs of study, since honors seminars are generally offered only once per year, usually in the fall semester. In addition, students qualifying for departmental honors are eligible for membership in Alpha Kappa Delta, the International Sociology Honor Society. See adviser for more information.

**Internships**
Provided students secure approval of a full-time faculty member, internships can be carried out for 3 to 6 credits in the areas of marketing, media, and politics, with other areas provided faculty supervision can be secured. Interested students must meet the requirements listed under the SOC 49800 entry.

Awards

The Department of Sociology offers two prestigious awards to outstanding students in sociology and applied social research. The Norman Hecht Award of up to $300 is provided on an irregular basis for the best research concept developed by an undergraduate or graduate student studying applied social research. It can be granted to an individual student or a group of students. Once a year at the end of the spring term the Benjamin Ringer Award, carrying a cash stipend of $100, is granted for the best undergraduate paper in the areas of ethnic and race relations. The endowed Rosalyn Tough Award is granted with a cash stipend to outstanding sociology or social research students. Two Suzanne Keller Awards with a stipend of $250 each are granted at the end of the academic year. One goes to the graduating sociology major with the best academic record. The second Keller award is given to the best BA/MS graduate entering the field of applied social research. The annual Chicago Award with a $100 stipend is given to a work-study student or research assistant whose contribution to a faculty member’s work is acknowledged in the faculty member’s publication. For more information about the awards contact the departmental advisers.

Career Opportunities

Applied Social Research

Students interested in careers in research-related fields such as media and marketing research, policy analysis and evaluation, advertising, consumer behavior, and public opinion polling, as well as students who are contemplating graduate studies in sociology, are encouraged to gain research experience through selected coursework and independent research carried out under faculty supervision.

In addition to the following, which are required for the major,

**SOC 24000 - Introduction to Research Methods**

GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.

*prereq: SOC 10100*  
3 hrs 3 cr.

**SOC 24100 - Social Statistics**

GER 3/B
Application of elementary statistical techniques. Introduction to statistical inference and sampling theory.

*prereq: SOC 10100*  
3 hrs 3 cr.

Students interested in research should consider
SOC 35000 - Qualitative Research Methods (W)

GER 3/B
An introduction to the most prevalent qualitative research approaches used in applied social research and sociology, including documentary analysis, participatory observation, ethnography, in-depth interviews, focus groups and related methods.

prereq: SOC 22100 or 22300
3 hrs 3 cr.

Select electives from the following:

SOC 25900 - Mass Media, Communication and Public Opinion (W)

GER 3/B
Impact of mass media on public opinion and government action.

prereq: SOC 10100 ENGL 12000
3 hrs 3 cr.

SOC 31100 - Population Dynamics

GER 3/B
Comparative analysis of fertility, mortality, migration trends, and related social factors.

prereq: SOC 10100
3 hrs 3 cr.

SOC 31300 - Consumer Behavior

GER 3/B
Individual and social perspectives on consumer decision making. Social patterns of consumption and consumer social movements.

prereq: SOC 10100
3 hrs 3 cr.

SOC 36300 - Social Change

GER 3/B
Process of development of institutions, communities, and nations.

prereq: SOC 10100
3 hrs 3 cr.

SOC 44100 - Advanced Research Methods

GER 3/B
Evaluates strategies and instruments available to sociologists such as socio-geographic mapping.

prereq: SOC 24000, 24100
3 hrs 3 cr.

Additional Information
The department has also participated in a number of programs that place qualified minority students in summer research internships at leading universities. See advisers for more information.

**Social Work**

Students interested in careers in social work or other human services are strongly encouraged to consult the pre-social work adviser (Prof. Poppendieck, Room 1603 Hunter West, (212) 772-5583, jpoppend@hunter.cuny.edu). The presocial work advising office offers information about graduate study in social work as well as help with program planning.

**Pre-social work**

Pre-social work students without work experience in the human services should plan to take the following courses that provide supervised field experience.

**SOC 33100 - Field Placement in Social Work Agencies**

GER 3/B
Supervised work in social service agency, weekly seminar, preparation of weekly assignments and term paper.
prereq: SOC 10100, perm instr.
8 hrs per week3 cr.

**SOC 33200 - Advanced Field Placement in Social Work Agencies**

GER 3/B
Supervised work in social service agency, weekly seminar, agency-based research project.
prereq: SOC 10100, SOC 33100 or documented equiv. experience in social work agency, perm instr.
8 hrs per week3 cr.

Ideally, this coursework should be completed by the end of the junior year, and students must meet with the instructor in the previous semester to arrange a placement.

**Directly related to social work**

While virtually all sociology courses are relevant to the practice of social work, several courses are directly related to social work

**SOC 23100 - Introduction to Social Work Profession**

GER 3/B
Introduction to and critical analysis of the social work profession in American society.
prereq: SOC 10100
3 hrs3 cr.

**SOC 23500 - Community Organization and Action**

GER 3/B
Evaluation of specific local and national action programs.
prereq: SOC 10100
3 hrs3 cr.

SOC 23700 - Social Welfare Policy

GER 3/B
Development of welfare institutions. Consequences of welfare services for client and community.
prereq: SOC 10100
3 hrs3 cr.

SOC 23900 - Child Welfare (W)

GER 3/B
Historical and contemporary perspectives on the impact of poverty on children and the social policies that deal with it.
cross-listed WGS 23900 (W)
prereq: SOC 10100, ENGL 12000
3 hrs3 cr.

Graduate Courses

Qualified undergraduates seeking more advanced or specialized work may, with the permission of the instructor, be permitted to take graduate courses. Consult the graduate catalog for course listings.

Major Areas of Study

Students may design their own areas of concentration but they are not required to do so.

1. Interpersonal Processes and Relations

SOC 20100 - The Family

GER 3/B PD/C
Family functions and interaction. Factors affecting stability and instability.
cross-listed WGS 22300
prereq: SOC 10100
3 hrs3 cr.

SOC 25100 - Interpersonal Behavior

GER 3/B
Study of interactional processes and the emergence and maintenance of selves and identities.
prereq: SOC 10100
3 hrs3 cr.

SOC 25300 - Deviance and Social Control

GER 3/B
Theories of causation and analysis of particular types of deviance: sexual, criminal, political.
2. Social Inequality

SOC 21700 - Race and Ethnicity

GER 3/B PD/B
Dominant-subordinate relations among selected groups: Asians, Blacks, Hispanics, Jews, Indians, White ethnics.

prereq: SOC 10100
3 hrs 3 cr.

SOC 21800 - Social Inequality

GER 3/B
Examination of social inequality in contemporary society from various empirical and theoretical perspectives focusing on class, ethnic, gender, and other determinants of stratification.

prereq: SOC 10100
3 hrs 3 cr.

SOC 21900 - American Society (W)

GER 3/B
Analysis of social structures and culture of the contemporary USA.

prereq: SOC 10100, ENGL 12000
3 hrs 3 cr.

SOC 25700 - Sex and Gender Roles

GER 3/B PD/C
Sex role differentiation: femininity, masculinity, marriage, child rearing.

cross-listed WGS 25700

prereq: SOC 10100
3 hrs 3 cr.

SOC 31700 - Class, Status, and Power

GER 3/B
Inquiry into the empirical and conceptual relation between the fundamental sociological constructs of 'class', 'status', and 'power' through a case study of the upper class in the United States. Review of current research and relevant theoretical approaches.

prereq: SOC 10100
3 hrs 3 cr.

3. Social Welfare and Policy

SOC 23100 - Introduction to Social Work Profession
GER 3/B
Introduction to and critical analysis of the social work profession in American society.
*prereq: SOC 10100*
3 hrs 3 cr.

**SOC 23500 - Community Organization and Action**

GER 3/B
Evaluation of specific local and national action programs.
*prereq: SOC 10100*
3 hrs 3 cr.

**SOC 23700 - Social Welfare Policy**

GER 3/B
Development of welfare institutions. Consequences of welfare services for client and community.
*prereq: SOC 10100*
3 hrs 3 cr.

**SOC 23900 - Child Welfare (W)**

GER 3/B
Historical and contemporary perspectives on the impact of poverty on children and the social policies that deal with it.
*cross-listed* WGS 23900 (W)
*prereq: SOC 10100, ENGL 12000*
3 hrs 3 cr.

4. International Studies

**SOC 31300 - Consumer Behavior**

GER 3/B
Individual and social perspectives on consumer decision making. Social patterns of consumption and consumer social movements.
*prereq: SOC 10100*
3 hrs 3 cr.

**SOC 31800 - Sociology of Human Rights in Latin America**

GER 3/B
Types of societies in which human rights are respected or violated with special emphasis on Latin American regimes in the last two decades. Human rights and diversity the rights of women and minorities. Movements to protect human rights. The emphasis is on actual social conditions which foster or impede the observance and protection of human rights.
*prereq: SOC 10100*
3 hrs 3 cr.

**SOC 36100 - Development and Modernization (W)**
GER 3/B PD/A
Examinations of models of social change with a special focus on developing countries.
prereq: SOC 10100
3 hrs 3 cr.

SOC 36200 - Sociology of Islam (W)

GER 3/B
Introduction to Islam as religion and culture with emphasis on how misconceptions have permeated our understanding of Islam. Analysis from a historical perspective which serves as a framework for comprehending Islam's dogma, rituals, and legal system.
prereq: SOC 10100
3 hrs 3 cr.

5. Applied Social Research

SOC 24000 - Introduction to Research Methods

GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.
prereq: SOC 10100
3 hrs 3 cr.

SOC 24100 - Social Statistics

GER 3/B
Application of elementary statistical techniques. Introduction to statistical inference and sampling theory.
prereq: SOC 10100
3 hrs 3 cr.

SOC 31100 - Population Dynamics

GER 3/B
Comparative analysis of fertility, mortality, migration trends, and related social factors.
prereq: SOC 10100
3 hrs 3 cr.

SOC 31300 - Consumer Behavior

GER 3/B
Individual and social perspectives on consumer decision making. Social patterns of consumption and consumer social movements.
prereq: SOC 10100
3 hrs 3 cr.

SOC 34100 - Research Practicum

GER 3/B
Evaluates strategies and instruments available to sociologists such as socio-geographic mapping.
SOC 35000 - Qualitative Research Methods (W)

GER 3/B
An introduction to the most prevalent qualitative research approaches used in applied social research and sociology, including documentary analysis, participatory observation, ethnography, in-depth interviews, focus groups and related methods.

prereq: SOC 22100 or 22300
3 hrs3 cr.

6. Theory

SOC 22100 - Classical Sociological Theory

GER 3/B PD/D
Classical theorists and their contributions.

prereq: SOC 10100
3 hrs3 cr.

SOC 22300 - Current Sociological Theory

GER 3/B
Significance of concepts and nature of evidence applied to leading theories. Theory construction.

prereq: SOC 10100, SOC 22100, major
3 hrs3 cr.

7. Fieldwork and Experiential Learning

SOC 33100 - Field Placement in Social Work Agencies

GER 3/B
Supervised work in social service agency, weekly seminar, preparation of weekly assignments and term paper.

prereq: SOC 10100, perm instr.
8 hrs per week3 cr.

SOC 33200 - Advanced Field Placement in Social Work Agencies

GER 3/B
Supervised work in social service agency, weekly seminar, agency-based research project.

prereq: SOC 10100, SOC 33100 or documented equiv. experience in social work agency, perm instr.
8 hrs per week3 cr.

SOC 37101 - Independent Study

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.
prereq: SOC 10100, perm instr.
1 hr 1 cr

SOC 37200 - Independent Study

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47100 - Honors/Independent Study

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47200 - Honors/Independent Study

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 49800 - Internship

GER 3/B
Open to advanced majors only. Placement of qualified sociology majors off campus in professional nonsocial service internship settings. Credits are based on analytic internship report, number of hours worked and by written evaluation by agency/company intern supervisor.
prereq: SOC 22100 or 22300 and SOC 24000; major; perm supervising full-time faculty hrs TBA 3-6 cr.

Spanish - BA

Preparation for Teaching French, Spanish or Italian Adolescent Education (grades 7-12)

Students pursuing adolescent education must complete the 30 or 36 credit major in one of these languages and, in addition, complete the course in second language acquisition (3 cr). The 23-credit pedagogical sequence in adolescent education will serve as the minor. See the School of Education section of the catalog for further information.

Major

The Spanish major provides two concentrations:

a. Spanish Literature (36 cr)
b. Major concentration in Spanish-English/English-Spanish translation and interpretation (36 cr)

Honors

Students qualified to graduate with departmental honors must take an honors course or equivalent approved by the departmental advisers. Departmental honors will be conferred upon a recommendation from the appropriate departmental committee. Candidates must present a paper of at least 7,000 typewritten words in the language of specialization. Consult the department for further information.

Minor in Spanish

1. Spanish Minor

The Spanish minor consists of 15 credits of courses that are taught entirely in Spanish and combines language, civilization, and literature.

The prerequisite for a Spanish minor consists of either

**SPAN 20200 - Intermediate Spanish II**

Language lab mandatory.

*Spanish for English speakers.*

prereq: SPAN 20100 or three yrs high school Spanish

3 hrs 3 cr.

-or-

**SPAN 20800 - Advanced Spanish for Native Speakers**

*Spanish for native speakers.*

prereq: SPAN 20700 or perm dept.

3 hrs 3 cr.

or equivalent proficiency

2. Minor in Spanish Cultures and Literatures

The following courses are required for a minor in Spanish Cultures and Literatures:

Two language courses

Two language courses (6 credits) above the SPAN 20200 (non-heritage speakers) or SPAN 20800 (heritage speakers) level, at least one of which must be a 300-level course. Recommended courses are:

**SPAN 21100 - Spanish Grammar and Composition**

Not recommended for fluent speakers of Spanish. Study of grammatical and syntactical patterns. Practice in reading, writing and speaking Spanish.

prereq: SPAN 20200 or 20300

3 hrs 3 cr.
SPAN 22100 - Spanish for Oral Communication

Not for fluent Spanish speakers.
prereq: SPAN 20200 or equiv. and perm adviser
3 hrs3 cr.

SPAN 27000 - Spanish Composition for Spanish Speaking Students

prereq: SPAN 20800 or perm adviser
3 hrs3 cr.

SPAN 31100 - The Structure of Modern Spanish

prereq: SPAN 20200, 20300, 20800, 21100 or equiv.
3 hrs3 cr.

SPAN 31200 - Advanced Spanish Writing

Applying morphosyntactical patterns through intensive composition. Exploration of various writing forms. Required of all Spanish majors.
prereq: SPAN 31100 or equiv.
3 hrs3 cr.

One civilization course

One civilization course (3 credits) chosen from

SPAN 33500 - Spanish Civilization

GER 3/A PD/D
prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

-or-

SPAN 33600 - Latin American Civilization

GER 3/A
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in Spanish.
prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

Two literature courses

Two literature courses (6 credits) on Spanish or Latin American literature. Recommended courses include:
**SPAN 27500 - Readings in Modern Spanish Literature**

PD/D
Representative writers: Unamuno, Lorca, Cela.
*prereq: SPAN 20200, 20300, 20800, 21100 or four yrs high school Spanish or dept. perm
3 hrs 3 cr.*

**SPAN 27600 - Readings in Modern Spanish American Literature**

Representative writers: Borges, Neruda, Cortazar, Garcia Mirquez.
*prereq: SPAN 20200, 20300, 20800, 21100 or four yrs high school Spanish or dept. perm
3 hrs 3 cr.*

Alternately, students may take 300-level Spanish and Latin American literature courses from the following list by special permission of adviser:

**SPAN 34300 - Spanish Literature of the Middle Ages**

GER 3/A PD/D
After exploring Al Andalus poetry, prose and philosophy written by Muslim and Jewish authors; the Castilian epic *Poema de Mio Cid*, the beginning of the Christian cult of Virgin Mary (*Milagros de Nuestra Señora*), the origins of the short stories (*Libro de Conde Lucanor*), and the elegy will be studied. Special attention will be given to the position of women since the 12th Century, especially in *Libro de buen amor*.
*prereq: SPAN 34100
3 hrs 3 cr.*

**SPAN 34500 - Spanish Drama of the Golden Age**

GER 3/A PD/D
Theatre of 16th and 17th centuries, Lope de Vega and Calderon.
*prereq: SPAN 34100
3 hrs 3 cr.*

**SPAN 34600 - Cervantes**

GER 3/A PD/D
Don Quijote.
*prereq: SPAN 34100
3 hrs 3 cr.*

**SPAN 34900 - Spanish Prose of the Golden Age**

GER 3/A PD/D
Principal themes and genres of prose production in Spain in the 16th and 17th centuries, with emphasis on such authors as Rojas, Santa Teresa, Cervantes, Zayas and Quevedo.
*prereq: SPAN 34100
3 hrs 3 cr.*

**SPAN 35000 - Spanish Poetry of the Golden Age**
GER 3/A PD/D
Principal forms and issues of poetic composition in Spain in the 16th and 17th centuries, with emphasis on major poets such as Garcilaso, Fray Luis, San Juan de la cruz, Lope, Quevedo and Gongora.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35300 - Spanish Neoclassicism and Romanticism

GER 3/A PD/D
Representative works of Neoclassical and Romantic periods, including costumbrismo.

prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35500 - Spanish Literature from Realism to World War I

GER 3/A PD/D
From Realism and Naturalism through the Generation of 1898 and Modernism.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35700 - Early 20th Century Spanish Literature

GER 3/A PD/D
Presentation of the major writers and works of the first 40 years of 20th century Spanish literature.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35800 - Post-Civil War Spanish Literature

GER 3/A PD/D
Major trends and writers since the Spanish Civil War, with particular attention to the social, cultural and political context.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36000 - Spanish-American Literature of the Colonial Period

GER 3/A
Masterpieces from the 16th to the late 18th centuries; from the age of exploration to the period of independence.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36200 - Spanish-American Romanticism, Realism and Naturalism

GER 3/A
Representative works of 19th century Spanish-American literature.
prereq: SPAN 34100
3 hrs 3 cr.
SPAN 36400 - Spanish-American Modernism and Post-modernism

GER 3/A
Modernist and post-modernist authors.
_prereq: SPAN 34100
3 hrs3 cr.

SPAN 36500 - Survey of Spanish-American Teatro

GER 3/A
Survey of major trends in Spanish-American dramatic literature from colonial days to the present, with emphasis on the second half of the 20th century.
_prereq: SPAN 34100
3 hrs3 cr.

SPAN 36600 - Contemporary Latin American Poetry

GER 3/A
Major trends, such as Vanguardia, Brazilian Modernismo, Caribbean poetry, Anti-Poetry, Exteriorismo and popular poetry.
_prereq: SPAN 34100
3 hrs3 cr.

SPAN 36700 - Latin American Essay

GER 3/A
Exploration of the essay as an aesthetic form and its role in the social and cultural struggles that have marked Latin-American history.
_prereq: SPAN 34100
3 hrs3 cr.

SPAN 36800 - Contemporary Latin American Narrative

GER 3/A
Major trends, such as the Indianist novel, Mexican Revolution, social and psychological realism, novel of the 'boom', novel of the dictator.
_prereq: SPAN 34100
3 hrs3 cr.

SPAN 37000 - Special Topics in Spanish Literature

GER 3/A PD/D
May be repeated with different topic.
_prereq: SPAN 34100; permission of adviser.
3 hrs3 cr.

Note:

Students may use transfer credits and credits from the Hunter programs in Spain and Argentina up to a maximum of 6 credits. At least 9 credits of the minor must be completed in residence at Hunter.
Graduate Study

Qualified seniors with a minimum GPA of 3.5 in their discipline may be admitted to graduate level courses. Permission must be secured from the chair and then forwarded to the dean. Consult the graduate catalog for requirements and regulations.

Study Abroad

All study abroad programs are open to students from Hunter College and other accredited institutions. Majors and minors in the Department of Romance Languages are strongly encouraged to participate in study abroad programs (see adviser for GPA requirements).

Qualified students can apply for financial aid and STOCS grants.

Spanish in Spain is offered during June, July, or both months at the Universidad Antonio de Nebrija in Madrid. Spanish in Argentina is offered during the winter break in Mar del Plata (Argentina) at the Universidad Nacional de Mar del Plata.

Spanish Literature (36 cr)

Spanish Literature

**SPAN 31100 - The Structure of Modern Spanish**


*prereq: SPAN 20200, 20300, 20800, 21100 or equiv.*

3 hrs 3 cr.

**SPAN 31200 - Advanced Spanish Writing**

Applying morphosyntactical patterns through intensive composition. Exploration of various writing forms. Required of all Spanish majors.

*prereq: SPAN 31100 or equiv.*

3 hrs 3 cr.

**SPAN 34100 - Introduction to Hispanic Literature I**

GER 3/A PD/D

Prerequisite or corequisite to most courses in major sequence. Basic interpretive and research skills for Spanish majors and other qualified students through study of key works of Spanish and Spanish-American authors.

*prereq or coreq: SPAN 31100 or dept. perm*

3 hrs 3 cr.

**SPAN 34200 - Introduction to Hispanic Literature II**
GER 3/A PD/D
prereq: SPAN 34100  coreq: SPAN 31200
3 hrs 3 cr.

In addition, 6 credits in literature before the 19th century

choose from:

**SPAN 34300 - Spanish Literature of the Middle Ages**

GER 3/A PD/D
After exploring Al Andalus’ poetry, prose and philosophy written by Muslim and Jewish authors; the Castilian epic Poema de Mio Cid, the beginning of the Christian cult of Virgin Mary (Milagros de Nuestra Señora), the origins of the short stories (Libro de Conde Lucanor), and the elegy will be studied. Special attention will be given to the position of women since the 12th Century, especially in Libro de buen amor.
prereq: SPAN 34100
3 hrs 3 cr.

**SPAN 34500 - Spanish Drama of the Golden Age**

GER 3/A PD/D
Theatre of 16th and 17th centuries, Lope de Vega and Calderon.
prereq: SPAN 34100
3 hrs 3 cr.

**SPAN 34600 - Cervantes**

GER 3/A PD/D
Don Quijote.
prereq: SPAN 34100
3 hrs 3 cr.

**SPAN 34900 - Spanish Prose of the Golden Age**

GER 3/A PD/D
Principal themes and genres of prose production in Spain in the 16th and 17th centuries, with emphasis on such authors as Rojas, Santa Teresa, Cervantes, Zayas and Quevedo.
prereq: SPAN 34100
3 hrs 3 cr.

**SPAN 35000 - Spanish Poetry of the Golden Age**

GER 3/A PD/D
Principal forms and issues of poetic composition in Spain in the 16th and 17th centuries, with emphasis on major poets such as Garcilaso, Fray Luis, San Juan de la uz, Lope, Quevedo and Góngora.
prereq: SPAN 34100
3 hrs 3 cr.

**SPAN 35300 - Spanish Neoclassicism and Romanticism**
GER 3/A PD/D
Representative works of Neoclassical and Romantic periods, including costumbrismo.

*prereq: SPAN 34100
3 hrs 3 cr.

9 credits in Latin American literature
choose from:
(At least 3 credits from this category must be in contemporary literature)

SPAN 36000 - Spanish-American Literature of the Colonial Period

GER 3/A
Masterpieces from the 16th to the late 18th centuries; from the age of exploration to the period of independence.
*prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36200 - Spanish-American Romanticism, Realism and Naturalism

GER 3/A
Representative works of 19th century Spanish-American literature.
*prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36400 - Spanish-American Modernism and Post-modernism

GER 3/A
Modernist and post-modernist authors.
*prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36500 - Survey of Spanish-American Teatro

GER 3/A
Survey of major trends in Spanish-American dramatic literature from colonial days to the present, with emphasis on the second half of the 20th century.
*prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36600 - Contemporary Latin American Poetry

GER 3/A
Major trends, such as Vanguardia, Brazilian Modernismo, Caribbean poetry, Anti-Poetry, Exteriorismo and popular poetry.
*prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36700 - Latin American Essay
GER 3/A
Exploration of the essay as an aesthetic form and its role in the social and cultural struggles that have marked Latin-American history.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36800 - Contemporary Latin American Narrative

GER 3/A
Major trends, such as the Indianist novel, Mexican Revolution, social and psychological realism, novel of the 'boom', novel of the dictator.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 37100 - Special Topics in Spanish-American Literature

GER 3/A
May be repeated with different topic.
prereq: SPAN 34100; permission of adviser.
3 hrs3 cr.

Three additional credits must be taken from either one of the following courses:

SPAN 33500 - Spanish Civilization

GER 3/A PD/D
prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

SPAN 33600 - Latin American Civilization

GER 3/A
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in Spanish.
prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

The remaining 6 credits

Students may choose the remaining 6 credits in any course in literature from Spain or Hispanic America numbered above 342. Students planning to teach in grades 7-12 must also complete 3 credits in Second Language Acquisition:

SPAN 39900 - Second Language Acquisition

prereq: at least three courses at the 300-level in the language; ENGL 12000
3 hrs3 cr.
SPAN 49500 - Independent Study in Hispanic Literature

PD/D
prereq: perm dept.
1-3 cr.

SEDC 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

The nature of language, and language acquisition/learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.
prereq or coreq: SEDF 20300, 20400
3 hrs3 cr.
  • SEDC 712 (see graduate catalog)

Statistics - BA

The study of statistics provides the student with analytical tools that may find application in various fields within the sciences and social sciences. Bioinformatics is a rapidly developing area open to students in statistics with a working knowledge of computing and biological sciences. Actuarial science is one area open to students in statistics who also have backgrounds in such subjects as computer science, mathematics and economics. The BA/MA in Statistics and Applied Mathematics offered by the department provides enrichment for undergraduate statistics majors.

To enter the major the student must have completed MATH 15000 and MATH 15500. Normally, the statistics major consists of 32 credits as follows: 29 credits of core curriculum courses and any additional 3-credit statistics, mathematics, or computer science course approved by the statistics adviser. Modifications are permitted with the consent of the statistics adviser. For example, a student may elect to replace STAT 21200 with a more advanced course. With permission of the adviser, a student may take graduate courses in statistics and applied mathematics. Students interested in bioinformatics take the additional courses listed in the concentration in quantitative biology.

Major

Major Core Curriculum (29 cr)

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs3 cr.
MATH 35400 - Dynamical Systems and Chaos

GER 3/B
Linear flows, qualitative theory of low-dimensional nonlinear systems, introduction to chaos in discrete one-dimensional dynamical systems.

prereq: MATH 25000, 26000
3 hrs 3 cr.

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.

prereq: MATH 15600 prereq or coreq: MATH 25000
4 hrs 4 cr.

STAT 21200 - Discrete Probability

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs 3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

STAT 21400 - Data Analysis Using Statistical Software

GER 3/B
Familiarity with the Windows computing environment encouraged. Analysis of variance, simple and multiple regression, nonparametric statistics, statistical model building.

prereq: STAT 21300 or MATH 12500 and STAT 11300 with grade of C or better in each course.
3 hrs 3 cr.

STAT 31100 - Probability Theory

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.
STEM 31200 - Stochastic Processes

GER 3/B
Discrete and continuous stochastic processes including Markov chains, birth processes, queues and Brownian motion.
prereq: STAT 31100
3 hrs 3 cr.

STEM 31300 - Introduction to Mathematical Statistics

GER 3/B
Estimation, hypothesis testing, confidence limits for normal, binomial, Poisson and exponential random variables.
prereq: STAT 31100
3 hrs 3 cr.

Statistics Minor

A minor in statistics consists of at least 12 credits selected from STAT courses offered by the department. Statistics minors are required to take all necessary prerequisites. Students should consult the catalog to determine prerequisites necessary for them to enroll in courses that count toward the minor. It is recommended that prospective statistics minors consult with an undergraduate adviser concerning course selection.

Actuarial Sequence

A student interested in actuarial work should take the following courses. Students are also encouraged to take courses in accounting, economics and computer science. For information concerning examinations and prizes given to undergraduates by the Society of Actuaries, consult the departmental adviser.

STEM 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

STEM 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

STEM 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
prereq: MATH 15600
prereq or coreq: MATH 25000
4 hrs 4 cr.

STAT 31100 - Probability Theory

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.
prereq: MATH 25000.
3 hrs 3 cr.

STAT 31300 - Introduction to Mathematical Statistics

GER 3/B
Estimation, hypothesis testing, confidence limits for normal, binomial, Poisson and exponential random variables.
prereq: STAT 31100
3 hrs 3 cr.

Concentration

- Statistics Major with a Concentration in Quantitative Biology

Honors

A student majoring in mathematics or statistics may become a candidate for departmental honors by successfully completing MATH 49000, by presenting a major GPA of at least 3.6 and by achieving a satisfactory rating on a comprehensive examination.

Statistics Major with a Concentration in Quantitative Biology

For students intending to pursue research careers in biomedical sciences. It provides students with a working knowledge of computing and biological sciences for bioengineering careers in bioinformatics, the pharmaceutical industry, and the biotechnology industry.

Students interested in this concentration in the statistics major should consult the adviser. Information at http://www.hunter.cuny.edu/qubi/statistics-majors

For this concentration, the student must complete the entry requirement for the statistics major (MATH 15000 and MATH 15500). This major consists of the following core curriculum and additional required courses:

Major Core Curriculum (29 credits)

MATH 25000 - Calculus with Analytic Geometry III
GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
*prereq: MATH 15500*
*4 hrs4 cr.*

**MATH 25400 - Ordinary Differential Equations**

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
*prereq: MATH 25000*
*3 hrs3 cr.*

or

**MATH 35400 - Dynamical Systems and Chaos**

GER 3/B
Linear flows, qualitative theory of low-dimensional nonlinear systems, introduction to chaos in discrete one-dimensional dynamical systems.
*prereq: MATH 25000, 26000*
*3 hrs3 cr.*

**MATH 26000 - Linear Algebra**

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
*prereq: MATH 15600prereq or coreq: MATH 25000*
*4 hrs4 cr.*

**STAT 21200 - Discrete Probability**

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

*prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.*
*3 hrs3 cr.*

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

*prereq: MATH 12500 or appropriate score on placement exam.*
*3 hrs3 cr.*

**STAT 21400 - Data Analysis Using Statistical Software**
GER 3/B
Familiarity with the Windows computing environment encouraged. Analysis of variance, simple and multiple regression, nonparametric statistics, statistical model building
prereq: STAT 21300 or MATH 12500 and STAT 11300 with grade of C or better in each course.
3 hrs3 cr.

STAT 31100 - Probability Theory
GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.
prereq: MATH 25000.
3 hrs3 cr.

STAT 31200 - Stochastic Processes
GER 3/B
Discrete and continuous stochastic processes including Markov chains, birth processes, queues and Brownian motion.
prereq: STAT 31100
3 hrs3 cr.

STAT 31300 - Introduction to Mathematical Statistics
GER 3/B
Estimation, hypothesis testing, confidence limits for normal, binomial, Poisson and exponential random variables.
prereq: STAT 31100
3 hrs3 cr.

Additional Required Courses (30 credits)

CSCI 13200 - Practical UNIX and Programming, with Lab
GER 2/E
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition.
This course cannot be counted towards the CSCI major.
prereq: none
3 hrs3 cr.

CSCI 23200 - Relational Databases and SQL Programming, with Lab
GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.
Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.
prereq: CSCI 13200
3 hrs3 cr.
CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. 
Primary for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primary for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primary for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.
(or equivalent)

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy
transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.

$10 materials fee required.

prereq: BIOL 20200, CHEM 22200, 22300
coreq: CHEM 22400

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

fall only

or

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.

$10 materials fee required.

prereq: BIOL 30000

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

spring only

BIOL 42500 - Computational Molecular Biology

GER 3/B
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of in silico biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and predication of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting. Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.

Studio Art - BA

- Studio Art 24-Credit Major (BA)
- Studio Art 42-Credit Major (BA)

Electives

All courses, unless otherwise specified, are open to qualified students majoring in other areas.

Honors

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Student must submit 35mm slides of an advanced studio project or independent study course.
**ARTCR 36000 - Special Projects**

Advanced students only. Advanced projects are announced prior to registration each term. Recent examples of Special Projects courses: Color Photo; Advanced Photo Darkroom Process; Collage and Assemblage; Color as Communication; Computer Graphics; Projects in Clay; Advanced Watercolor Painting; Experiment: Photography and Graphics; Site-Specific Painting; Projects in 2-D., Digital Art, Advanced Digital Art, Video for Artists, Installation Art, Sculpture: Methods & Materials, Advanced 2-D studio Seminar, Politics & Painting, Unconventional Approaches: Drawing, 2-D, 3-D, 4-D Seminar, Advanced Painting Tech. & Concepts

*prereq: See department*

3 hrs 3 cr. + 5 hrs open studio

**ARTCR 40200 - Independent Study in Studio Art**

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

*prereq: perm instr.*

1-3 hrs 1-3 cr. per semester

**Graduate Study**

The Department of Art offers a number of courses, listed in the Graduate Catalog, that may be credited toward the degree of master of arts. Qualified students in the senior year may be admitted to these courses with the approval of the graduate art history adviser.

**Studio Art 24-Credit Major (BA)**

Return to Programs and Courses in Art

The standard major is available to the student interested in a liberal arts education. It consists of eight courses in the major subject, normally one 3-credit course per semester and begins with ARTLA 10100, upon completion continues with ARTCR 22100, followed by an additional 18 credits selected from 200- and 300-level ARTCR courses. The department recommends that the optional minor associated with the 24-credit studio major consist of 12 credits in art history. No courses can be repeated.

**Honors**

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Student must submit 35mm slides of an advanced studio project or independent study course.

**Studio Art 42-Credit Major (BA)**

Return to Programs and Courses in Art

An intensive major is available for the student who prefers a greater concentration in studio art and particularly for the student who plans to do graduate study in art. It consists of ARTLA 10100 and ARTCR 22100, with a concentration of 9 credits in one study area (e.g., painting, sculpture, drawing, graphics, ceramics, photography, combined media) and 18 credits of other studio art courses to be determined in consultation with a departmental adviser (a total of 30 credits...
of studio art). Nine credits of study in art history are required. (It is recommended that students declare their major within 41 credits.)

Students should consult with a department adviser for guidance in the selection of 200-level courses. The plan for the area of concentration should be submitted to an adviser for tentative approval at the beginning of the junior year and for final approval in the lower senior term.

Please note: A maximum of 30 credits in studio art may be applied toward the BA degree.

Prerequisite sequence

**ARTLA 10100 - Introduction to Study of Visual Experience**

Introduction to conceiving and formulating ideas for visual experience. Students work in 3 different areas in day session, 2 in evening session.

6 hrs 3 cr. + 3 cr. hrs open studio

**ARTCR 22100 - Drawing**

Basic principles in various media and subjects. Eye/hand coordination, perceptual acuity, spatial organization; interpretation of directly observed subjects.

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

prereq: ARTC 10100

4 hrs 3 cr. + 5 hrs open studio

Creative art

3 courses in one study area
(e.g., painting, sculpture, drawing, graphics, ceramics, photography or combined media.) 9 cr.

6 other studio courses, to be determined in consultation with adviser

(Note: ARTLA 36018 may be substituted for ARTCR course with permission of the adviser) 18 cr.

**Art History**

3 courses of ARTH 9 cr.

**Honors**

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Student must submit 35mm slides of an advanced studio project or independent study course.

**Theatre - BA**

**Honors**
Open to any qualified junior or senior with a 3.5 GPA in Theatre and an overall minimum GPA of 2.7 and permission of the chair. Individual work under faculty supervision. Departmental honors granted at graduation.

Major in Theatre (30 cr)

Students must have earned at least 24 credits to declare a Theatre major.

THEA 21100 - World Theatre I (W)

GER 2/C PD/D
Survey of international theatre from its pre-Greek origins to the Spanish Golden Age.  
prereq: ENGL 12000, THEA 10100  
3 hrs3 cr.

THEA 21200 - World Theatre II (W)

GER 2/C PD/D
Survey of international theatre from the Elizabethan period to Wagner.  
prereq: ENGL 12000, THEA 10100  
3 hrs3 cr.

THEA 21300 - World Theatre III (W)

GER 2/C PD/D
Survey of international theatre from 19th-century Naturalism to the present day.  
prereq: ENGL 12000, THEA 10100  
3 hrs3 cr.

THEA 25100 - Theatre Production

Practical and academic work on the departmental production.  
prereq: THEA 10100 or perm instr.  
5 hrs3 cr.

THEA 26100 - Acting II: Contemporary Drama

GER 3/A
Fundamentals of scene study focusing on text analysis, personalization, objective and action using American realism.  
prereq: THEA 16100 or perm instr.  
4 hrs3 cr.

THEA 32100 - Play Analysis (W)

GER 3/A PD/D
Principles of play analysis; examination of play structure, theatrical form, and historical period.  
prereq: THEA 21100 or 21200 or 21300  
3 hrs3 cr.

THEA 28100 - Visual Elements of Theatre
Theory and practice of various design elements that constitute complete theatrical production. Course for actors, directors, playwrights, and others not concentrating in design. Practical work on productions included.

**THEA 28500 - Design Concepts for Theatre, Film, and Television**

GER 3/A
Theoretical and practical elements of design in theatre, film, and television.

*prereq: THEA 10100 or FILM 10100*  
3 hrs 3 cr.

- Electives chosen from 300-level courses 6 cr.
- 2 production crews (not-for-credit)

plus one course selected from the following:

**THEA 38100 - Scene Design I**

GER 3/A  
Fundamentals of design for theatre, film, and television.

*prereq or coreq: THEA 28100*  
5 hrs 3 cr.

**THEA 38300 - Costuming for the Stage**

GER 3/A  
Study and practice in stage costuming; historical periods and styles; fabrics, patterns, and construction.

*prereq: THEA 28100*  
5 hrs 3 cr.

**THEA 38400 - Stage Lighting**

GER 3/A  
Principles, techniques, and practice of lighting for theatre, emphasizing its contribution to dramatic interpretation.

*prereq: THEA 28100 or FILM 25100*  
5 hrs 3 cr.

**THEA 38500 - Production Design I for Theatre, Film, and Television**

GER 3/A  
Theory and practice in scenic design for theatre, film, and television.

*prereq: THEA 10100 or FILM 10100 and THEA 28500*  
4 hrs 3 cr.

**THEA 38700 - Concepts of Light in Theatre, Film, and Television**

GER 3/A  
The aesthetics, styles, conventions, and vocabulary of lighting in theatre, film, and television: how light establishes style, mood, rhythm, and atmosphere as interpretive elements of performance.
Minor

Theatre majors may select a minor from any department or program in the college that offers a program of study leading to a BA degree. Students should consult the departmental adviser regarding appropriate minor choices.

Minor for Non-Majors

Any 12 credits including THEA 10100, to be selected with major adviser.

Urban Studies - BA

The urban studies curriculum includes courses that develop qualitative and quantitative methods. Included into the curriculum are field-work experiences, an internship and studio class, which take students into the real world to test what is learned in the classroom. Because New York City is a vast urban laboratory, it is a powerful learning tool. Urban studies faculty use it to make discussions about affordable housing, transit, and recycling come alive and useful to students.

The curriculum is enriched by its location in the Department of Urban Affairs and Planning, which also includes graduate curricula in urban planning and urban affairs. The sharing of faculty and facilities, the interchange among advanced and beginning students, and the cooperation of other social science departments at Hunter create a synergy for comprehensive examination of “urban” concerns in a major city. After graduating, urban studies alumni have pursued public or private sector careers in urban planning, social work, municipal budgeting, public administration, real estate, community economic development, law, business, and journalism.

Major (30 credits)

The Urban Studies major provides a strong background in the study of urban issues, institutions, and policies. In addition, the major includes a methodology component, an internship experience, and appropriate courses selected from closely related social science disciplines. Completion of the major gives students a fuller understanding of contemporary cities from a variety of perspectives: social, physical, political, and economic. The major consists of components A, B, C, and D as listed below. Courses not listed may be selected to complete the major, given the approval from the urban studies program adviser.

A. Urban Studies Core 12 cr

URBS 10100 - Urban Life: Personal and Observational View (W)

GER 2/B
Introduction to urban studies allowing students to translate personal knowledge and experience of New York City to more theoretical understanding of urbanism. Includes four projects dealing with mapping, immigration, census data analysis, and local development issues.

3 hrs3 cr.

URBS 10200 - Structure of Urban Region (W)
GER 2/B
Introduction to forces shaping institutions and life of contemporary American urban regions. Focus on evolving metropolitan economic, social, demographic, spatial, and political systems, and their relevance to current policy.

prereq: URBS 10100 or relevant intro course (e.g., ECO 10000 or 20100-20200; GEOG 10100, PLSC 11100, SOC 10100) or perm instr.
3 hrs 3 cr.

URBS 20100 - Urban Plans and Policies

GER 2/B
Includes the study of the policy making process, major plans/policies (e.g. War on Poverty, urban renewal, neighborhood rezoning), “politics/power,” the role of non-profits in urban planning and policy making.

prereq: URBS 10200 or 6 cr. intro social science courses or perm instr.
3 hrs 3 cr.

URBS 31000 - Methods of Urban Research and Policy Analysis

GER 3/B
Survey of research skills necessary for analysis of contemporary urban issues. Includes review of data sources, methods of forecasting, use of computer, and methods of information presentation.

prereq: URBS 10200 or perm instr.
3 hrs 3 cr.

URBS 31100 - Quantitative Approaches to Urban Analysis

GER 3/B
A survey of quantitative methods used to analyze urban policy and plans. Students are taught about demography, data analysis, and benefits cost analysis.

prereq: Open only urban studies majors who have completed the URBS 10100/10200 sequence or perm instr.
3 hrs 3 cr.

B. Urban Studies Electives 6 cr

Select two from:

URBS 40100 - Managing Urban Physical Environment

GER 3/B
Advanced study of the physical structure of cities which includes an analysis of zoning, land use, transportation, and the location of housing. The role of public and private agencies at local, state, and national levels in the planning and management of the physical environment is also considered.

prereq: URBS 20100 or perm instr.
3 hrs 3 cr.

-or-

URBS 40200 - Urban Social and Economic Development
GER 3/B
Detailed review of social and economic concerns confronting urban communities, focusing on major problem areas: poverty, health, crime, economic development, unemployment, and racial discrimination.
prereq: URBS 20100 or perm instr.
3 hrs 3 cr.

Additional Information

Component B can also be met by another 400-level URBS course approved by adviser.

C. Fieldwork Component 3 cr

Select one from:

D. Basic Social Science Component 6 cr

Select two from:

**AFPRL 30400 - Leaders and Movements of Black Urban Communities (W)**

GER 3/B PD/B
Personalities and movements that have influenced Black communities of U.S.; focuses mainly on 20th century.
prereq: AFPRL 20300 or 20400 or 20500
3 hrs 3 cr.

**ASIAN 39001 - International Migration**

PD/B
This interdisciplinary course examines the origins and processes of migration and settlement, past and present. Includes a series of lectures by leading scholars from a variety of academic fields and immigrant communities. Topics include: immigration and labor, race and gender, social and cultural identity, immigration policy and political action, and the trans-nationalization of education and family life.
3 hrs 3 cr.

**ECO 33000 - Economic Development**

GER 3/B PD/A
Critical variables explaining the diversity of growth and economic and development outcomes across developing countries. Theories, case studies, measurement and policies.
prereq: ECO 20100
3 hrs 3 cr.

**GEOG 22100 - Economic Geography**

GER 2/B
An introduction to the sub-discipline of economic geography, which will include an exploration of the history of both economics and geography, and a rigorous global approach to the subjects. Students will come to understand the history of the development of economic thought, leading up to, and transformed, by today’s crisis, as well as the particularly geographical nature of economic phenomena and processes, and the immense contributions geographers have made to
the understanding of economics. Course focus is on the dominant form of global economic activity today, which is capitalist, and the way this economic structure plays out through different geographies at different historical moments in time.

*Not open to freshmen*

**prereq:** GEOG 10100 or perm instr.

3 hrs3 cr.

*Offered fall and spring*

**GEOG 32100 - Transportation Geography**

GER 3/B

A geographic study and modeling of transportation routes and their influences on the location of economic activity.

**prereq:** GEOG 221 or perm instr.

3 hrs3 cr.

*not offered 2011*

**GEOG 34100 - Urban Geography**

GER 3/B

Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.

**prereq:** GEOG 101 or GEOG 150 or perm instr, Jr/Sr only

3 hrs3 cr.

**GEOG 35700 - Geography of New York City and Vicinity**

GER 3/B

Informed immersion in NYC is the main objective of this course. Students will learn by exploration and observation more than by media. The city is the laboratory to complement readings, lectures and discussion. Students will emerge from this class with an enhanced appreciation of the entire city. Study assignments include keeping a journal of walking assignments as well as readings. Field work will focus on the five boroughs of New York City. (Students with difficulties in walking or using public transportation or who have phobias regarding unfamiliar neighborhoods should consider this before registering.)

*Open to Jr/Sr only.*

**prereq:** GEOG 10100

3 hrs3 cr.

*Offered fall.*

**GEOG 37000 - Geography of Sustainable Development in Developing Countries**

GER 3/B PD/A

Reviews the theories and approaches of international development. Themes include development theory, availability and distribution of resources, population growth, food production, water supply and forestry. The course will also highlight the development and environmental problems that challenge the achievement of sustainable development such as population growth, food and world economic crises, increasing number of the poor and climate change. The course will provide students with theory, methods, problems and analysis of factors that influence sustainable development in developing countries.

**prereq:** one of the following: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.

3 hrs3 cr.

**HIST 31700 - History of the American City**
GER 3/B PD/D
History of the American city from the Colonial era to the present; development of the city as physical environment, social experience, political entity and cultural symbol.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 31800 - History of the American Working Class (W)

GER 3/B PD/D
History of the American working class from Colonial times to the present; changing work experience, community life, organizational efforts and political activity of working people.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

POLSC 21200 - Urban Politics (W)

GER 3/B
Politics in New York City and other urban areas. Decentralization, suburbanization, race, ethnicity, reform.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

SOC 21100 - Urban Sociology

GER 3/B
The relationships of space and society, with special attention to the nature and problems of urban life.
prereq: SOC 10100
3 hrs 3 cr.

SOC 21700 - Race and Ethnicity

GER 3/B PD/B
Dominant-subordinate relations among selected groups: Asians, Blacks, Hispanics, Jews, Indians, White ethnics.
prereq: SOC 10100
3 hrs 3 cr.

Additional Information

Component D can also be met by another 400-level URBS course contingent on the approval of the undergrad adviser.

Departmental Honors: Eligibility Criteria

Overall GPA: 3.2 and above

Major GPA: 3.5 and above

Graduate Courses

The following graduate courses are open to senior urban studies majors. Other graduate-level courses may be taken by seniors with permission of the instructor:
URBP 701 History of Planned Urban Development

URBP 702 The Structure of the Urban Region

In addition to these two courses, there are cross-listed classes, offered each semester, that are open to undergraduate students.

**Women and Gender Studies - BA**

**Major**

The Women and Gender Studies Program offers a 24-credit major. The 24 required credits are distributed as follows:

**A. 3 Credits**

**WGS 10000 - Introduction to Women Studies**

GER 2/B PD/C

Traditional definitions of women's nature in myth and symbol, media and popular culture, theories of gender in biology and psychology; women's role in family structures; women's relations to religion, education, health, work and politics. Examples are cross-cultural, contemporary and historical.

*3 hrs 3 cr.*

**B. 3 Credits**

**WGS 20100 - Classics in Feminist Thought (W)**

GER 3/A or B PD/C

Study of feminist thought across a variety of historical periods and cultural contexts.

*prereq: WGS 10000, ENGL 12000 or equiv.*

*3 hrs 3 cr.*

**C. Senior Seminar 3 credits**

**WGS 31000 - Research Seminar: Feminist Theory and Methodology**

Open to Jr/Sr only. Study of the theoretical models that feminist scholars create to guide their work and application of feminist methodology to a research project. To graduate with honors in Women's Studies, majors must enroll in this seminar.

*Note: Students may take WGS 31000 or 32000 to satisfy the Senior Seminar requirement in the major; students may also opt to take both courses. Since both classes are not taught every semester, students are urged to consult the program director in advance to plan their senior seminar.*

*prereq: WGS 10000, 20100, at least one other WGS course at 200-level or higher*

*3 hrs 3 cr.*

*spring semester*
WGS 32000 - Internship Seminar: Feminist Activism and Advocacy

Open to Jr/Sr only. Practical experience in one of a variety of agencies and organizations related to the needs or concerns of women. Weekly seminar devoted to discussion of feminist activism and advocacy.

Note: Students may take WGS 31000 or 32000 to satisfy the Senior Seminar requirement in the major; students may also opt to take both courses. Since both classes are not taught every semester, students are urged to consult the program director in advance to plan their senior seminar.

prereq: WGS 10000 and 20100 and at least one other WGS course at the 200 level or higher.
7-10 hrs3 cr.
spring semester

Students may opt to take both the research seminar and the internship seminar or a substitute approved by the program.

D. Electives 15 Credits

Fifteen credits are chosen from the courses listed below. Majors must take at least one course in each subfield of the discipline (feminism, gender and sexuality, and women in culture and society) and must complete at least one elective course at the 300 level or above.

Independent Study

may be applied only once toward the major

WGS 39300 - Independent Research

Independent research guided by a faculty member on a subject of student's choice in the field of Women and Gender Studies.

Note: Independent Study (WGS 29800 or 39300) may be applied only once toward the major.

prereq: perm. program director
3 hrs3 cr.

WGS 29800 - Internship

Independent Study (WGS 29800 or 39300) may be applied only once toward the major.

prereq: perm program director
hrs TBA1-6 cr.

Minor in Women and Gender Studies - 12 credits

A minor in Women and Gender Studies consists of 12 credits. Students who elect to minor in Women and Gender Studies must take the WGS 10000 and WGS 20100 core courses plus 6 elective credits.

Internships

Majors may satisfy the Senior Seminar requirement by interning in organizations that relate to the needs or concerns of women, and by simultaneously enrolling in WGS 32000 Internship Seminar, where their internship experiences and
assigned readings will be discussed. Majors may also take the research seminar at the same time. The internship option is available to minors as well as majors. Interested students should consult with the program director before registering for the internship seminar. Students who wish to undertake an independently arranged internship outside of the formal internship seminar may enroll in WGS 29800 with the permission of the program director.

Research Seminar

Majors may satisfy the Senior Seminar requirement of the major by enrolling in the Research Seminar (WGS 31000), a capstone course in which they will apply feminist theory and methodology to a significant research project resulting in a substantial paper. Students who wish to qualify for honors in Women and Gender Studies must enroll in the research seminar.

Honors

In order to graduate with honors in Women and Gender Studies, a student must have a 3.5 GPA in the Women and Gender Studies major and a college-wide cumulative index of at least 3.0. Students should submit a 18-20 page paper written for any Women and Gender Studies 300 level class including but not limited to the Research Seminar (WGS 31000). The student must submit the paper by March 15 (for June graduation) and October 15 (for December graduation) to be considered for program honors. The papers will be read by a faculty committee to judge whether it merits honors.

Bachelor of Arts/Master of Arts - BA/MA

Anthropology - BA/MA

A special feature of the Hunter Anthropology Department is the innovative BA/MA program, designed to permit a small number of highly motivated students to begin graduate study before completing their undergraduate degrees. The program allows students to pursue the MA degree as part of the undergraduate curriculum by substituting graduate courses for electives in their degree programs. Participants fulfill all the requirements for the BA and MA degrees in anthropology. The total number of credits taken by the student is 130. At least 30 must be graduate credits (the same number of course credits required of a student admitted as a matriculated graduate student with a BA in hand). Graduate courses may fulfill undergraduate major requirements with the exception of ANTHP 10100 and ANTHP 10200. Applicants to the BA/MA program must have a minimum GPA of 3.25 and a minimum of 3.5 in their anthropology courses. Students must apply to the program early in their academic careers, usually before beginning the junior year.

Biological Sciences with Specialization in Biotechnology - Accelerated BA/MA

In this five-year program, qualified biology majors begin graduate work as seniors and receive the MA one year after completing BA requirements. Students are provided with theoretical knowledge and skills in molecular biology and a foundation for application of these skills in careers in the biotechnology and pharmaceutical industries, academic research, or public health. Successful completion of the biotechnology workshop (BIOL 41000/610), an essential program component, entitles students to a summer internship in an industrial or private research laboratory. Interested biology majors should contact a departmental adviser as early as possible.
Biological Sciences/Environmental and Occupational Health Sciences - Accelerated BA/MS

This is an accelerated program leading to a BA in biology and an MS in environmental and occupational health sciences in five years. Biology majors admitted to the program start graduate work in their senior year. Interested students should contact a departmental adviser early in their undergraduate studies, as well as the office of the director of the Environmental and Occupational Health Sciences Program at the Brookdale Campus. The program provides biology majors with a career option in public health.

Chemistry (BA/MA): Additional Required Courses and Student Teaching

Return to: Adolescent Education, Grades 7-12

Additional Required Coursework and Student Teaching**

- SEDF 703 - Social Foundations of Adolescent Education 3 cr
- SEDF 704 - Adolescent Development, Grades 7-12 2 cr
- SEDF 705 - Educational Psychology: Applications to Adolescent Education 2 cr
- SEDF 706 - Assessment of Teaching and Learning in Adolescent Education 2 cr
- SEDC 710 - Building the Foundations of Literacy in Adolescent Education 3 cr
- SEDC 713 - Methods I: Advanced Study of Secondary Learning Environments for Teaching Mathematics and Science 3 cr
- SEDC 720 - Adolescent Health and Safety 1 cr
- SEDC 724 - Methods II: Intensive Study of Teaching Diverse Learners in Science, Grades 7-12 2 cr
- SEDC 754.02 - Student Teaching in Chemistry, Grades 7-12 5 cr

Note(s)

**See the Graduate Catalog for these graduate course descriptions

Chemistry/Adolescent Education: Chemistry - BA/MA

An accelerated program leading to a BA in Chemistry and an MA in Adolescent Education: Chemistry. Undergraduates admitted to the program start graduate courses during their senior year and will be able to complete the MA degree one year after they complete the requirements for the BA degree. Students interested in the program should speak to a chemistry department adviser during their sophomore year to review the curriculum path for the five-year program. A minimum of 134 credits is required for the dual degree.

Earth Sciences (BA/MA): Additional Required Coursework and Student Teaching
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<td>SEDF 703</td>
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<td>SEDC 754.04</td>
<td>Student Teaching in Earth Sciences, Grades 7-12</td>
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**See the Graduate Catalog for these graduate course descriptions

**Economics - Accelerated BA/MA**

The Department of Economics offers promising students the opportunity to complete both the BA and MA degrees within 120 credits, 30 of which must be at the graduate level.

Students who wish to declare the BA/MA major must have a 3.0 average in Economics and in the cumulative index

A minimum grade of B in the following, or their equivalents

**ECO 30000 - Intermediate Microeconomics**

GER 3/B
Price determination of goods and factors in markets of varied structures; general equilibrium analysis.  
**prereq: ECO 20000, 20100, 22000**  
3 hrs 3 cr.

**ECO 32100 - Economic Statistics II**

GER 3/B
Linear and curvilinear correlation and regression; variance; testing; time series.  
**prereq: ECO 22000, 22100; CSCI 10000 or equiv.**  
3 hrs 3 cr.
A minimum grade of C in the following, or their equivalents

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*
*4 hrs*4 cr.

Continuing in the program is contingent upon maintaining a 3.0 GPA in economics and the cumulative index and receiving

A minimum grade of B in

**ECO 30100 - Intermediate Macroeconomics**

GER 3/B
Measurement and dynamics of national income, employment and growth; policy options.
*prereq: ECO 20000, 20100, 22000*
*3 hrs*3 cr.

An average grade of B in

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*
*4 hrs*4 cr.

**MATH 16000 - Matrix Algebra**

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
*prereq: MATH 12500 or appropriate score on placement exam*
*3 hrs*3 cr.

All students in the BA/MA program must complete the following, or their equivalents, as well as the courses listed above

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs 3 cr.

Additional Information

An undergraduate major in economics is normally required. Thomas Hunter Honors Program students may be admitted without declaring an undergraduate economics major, provided that the above courses are completed. To apply, see the graduate adviser.

Honors

Students with a 3.5 GPA in a major offered by the department and an overall 2.8 GPA at the beginning of their upper senior semester may apply for departmental honors at that time. Completion of the following and submission of an honors paper are required. Honors papers are written under faculty supervision and must be approved by a second reader as well. GPA levels must be maintained for the award of departmental honors.

Note: Students enrolled in the BA/MA program may substitute enrollment in ECO 798 and an MA thesis for ECO 49900 and the Honors paper.

ECO 49900 - Honors Project

Five-Year BA/MA Program in Environmental Studies and Adolescent Education: Earth Science (Grade 7-12)

Students who major in Environmental Studies may also want to complete a sequence of courses that will enable them to pursue a career teaching earth science in grades 7-12. The BA/MA program in Environmental Studies and Adolescent Education: Earth Science is designed to prepare prospective teachers to serve as high-quality educator for adolescents in urban schools.

This is an accelerated program leading to a BA in Environmental Studies and an MA in Adolescent Education: Earth Science. The program is designed for highly qualified Environmental Studies majors who, during their sophomore year, decide to pursue a career in secondary school teaching. This program will ensure that these students receive all of their pedagogical and disciplinary training before entering the classroom to teach. Students who complete the 134 credit program will have satisfied the coursework requirements for teacher certification. The 18 elective credits required for the Environmental Studies degree must emphasize atmospheric systems, earth systems, water systems, or geological systems.
For students in this BA/MA program, the 18 credit elective portion of the Environmental Earth Science Concentration major must include GEOL 102, PGEOG 130, ASTRO 100/107 or, after spring 2011, ASTRO 101, and a minimum of 9 undergraduate credits selection from 200- and 300-level GEOL, PGEOG, and GTECH courses (with the exception of GTECH 201), and the independent study, honors, and internship courses in each of these series.

Students interested in this program should speak to adviser in the Department of Geography during their sophomore year to review the curriculum path for the five-year program. And students should also speak to an adviser in the School of Education as soon as possible.

Admission to the School of Education is not automatic with admission to Hunter College. There is a separate admission process that involves a paper application, a writing sample, and an interview.

### Required Courses

**ASTRO 10100 - Basic Concepts of Astronomy with Laboratory Exercises**

GER 2/E with lab
An introductory, one-semester astronomy course designed for non-science majors. Topics include: basic observational features of the night sky, and their explanations; Kepler's laws of planetary motion; Newton's laws of motion and gravitation. Properties of light, and how it reveals the nature of its source. Origin, properties, and evolution of our solar system. The origin and evolution of stars, including giants, dwarfs, supernovae, neutron stars, and black holes. Structure of The Milky Way and other type of galaxies. Cosmology, Hubble's Law and the expanding universe, from the Big Bang to the present; future scenarios.

*The lab consists of traditional hardware experiments and virtual online experiments.*

*Students taking this course will be required to submit online and hard-copy laboratory reports.*

5 hrs 4 cr.

-or-

**ASTRO 10700 - Laboratory Exercises in Astronomy**

GER 2/E
Classroom and online experimental laboratory exercises in astronomy to observe the major features of the night sky, demonstrate the physical basis of astronomical instruments, and experiment with astronomical phenomena. Only offered to students who have previously taken ASTRO 100 which is no longer offered [ASTRO 100 + ASTRO 107 are replaced by ASTRO 10100].

*prereq or coreq: ASTRO 10000*

2 hrs 1 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

*Primarily for pre-med, medical laboratory sciences and science majors.*

*prereq or coreq: MATH 12500, 12600 or equiv.*

5 hrs (4 lec, 1 rec) 4 cr.

and

**CHEM 10400 - General Chemistry II**
**GER 2/E**

In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

*Primarily for premed, medical laboratory sciences and science majors.*

**prereq:** CHEM 10200 or CHEM 10000 with perm chair

5 hrs (4 lec, 1 rec) 4 cr.

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**CHEM 10600 - General Chemistry Laboratory**

GER 2/E

Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*

**prereq:** CHEM 10200

**coreq:** CHEM 10400

8 hrs (6 lab, 2 rec) 3 cr.

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- or -

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D

The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

*S5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.*

**prereq:** MATH 10100 or equivalent

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

*fall only*

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**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D

Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.

*S5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.*

**prereq:** BIOL 10000 or perm instr, MATH 10100 or equiv.

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

*spring only*

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**GEOG 22600 - Environmental Conservation: Resource Management**

GER 2/B

Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.

3 hrs 3 cr.
GEOL 18000 - Introduction to Oceanography

GER 2/E
Dynamic processes are responsible for the ocean’s influence on our environment and life cycles on earth. The course introduces students to the broad field of oceanography and specifically identifies areas which are of concern on both local and global scales. The origins of the oceans and life as it exists in today’s ocean will be covered. Lectures will include the sub-disciplines of biological, chemical, physical, and geological oceanography and concepts that relate to continental margins, ocean basins, sediments and seafloor spreading. Emphasis will be given to the interaction between the circulation of the atmosphere and ocean surface currents, deep ocean circulation, waves and tides. The coastal zone as a fragile environment will be highlighted in connection with dynamic physical and biological processes. No lab component.
3 hrs 3 cr.
Offered fall and spring.

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, “systems thinking”, the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab) 4.5 cr.
Offered fall and spring.

GEOL 10200 - Plate Tectonics and the Earth’s Evolution

GER 2/E
The second course in geology offered to non-geology majors. It is designed to familiarize students with the main concepts used in deciphering and interpreting earth’s evolution from the spatial and temporal perspective. Topics to be covered include: geologic time; geological principles; earth materials as recorders of past geologic processes; depositional environments and sedimentary rock record; igneous and metamorphic geologic environments and their rock records; evolution of the solar system; plate tectonics and life on earth; origin of the universe; life on earth and the fossil record; Precambrian, Paleozoic, Mesozoic, and Cenozoic life, history and tectonics. Field trips may be required; transportation fee.
prereq: GEOL 10100
5 hrs (3 lec, 2 lab) 4 cr.
Offered fall.

GEOL 20500 - Environmental Geology

GER 3/B
As human populations continue to grow, resource depletion and hazards will become more severe. Many decisions concerning the use of resources, such as water, soil, minerals, energy and space to live, will determine our standard of living and the quality of the environment. Scientific knowledge, combined with human values, will dictate these decisions. This course examines not only the way geological processes operate and impact society, but also how the earth system responds to human activity. The difficult problems associated with extracting enormous quantities of resources needed to sustain modern societies will be discussed. The course will also address ways humans can minimize the risks associated with hazardous earth processes. Quantitative analysis of selected topics will be introduced to provide a deeper understanding of the complexity of today’s environmental issues.
prereq: GEOL 10100
3 hrs 3 cr.

GEOL 28000 - Marine Geology
GER 3/B
Marine Geology is the study of the seafloor. This course attempts to answer the questions “what?”, “where?”, “when?” and more importantly “how?” in order to better understand the processes that shape the ocean basins and determine the structure and composition of the oceanic crust. The main patterns of sediment distribution in the ocean basins and how sediments preserve a record of past climatic and sea-level changes will be explored. In addition, the role of fluids in ocean sediments and the oceanic crust will be examined. The seafloor sediments will be studied with a focus on their role in marine biogeochemical cycles.

*prereq: GEOL 10200 or perm instr.*
3 hrs3 cr.
*Fall*

**MATH 12500 - Precalculus**

GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.

*prereq: grade of C or better in MATH 10100 or appropriate score on placement exam*

4 hrs4 cr.

**PGEOG 13000 - Weather and Climate**

GER 2/E
Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.

*5 hrs (3 lec, 2 lab)4 cr.*

*Offered in the Fall and Spring*

**PGEOG 25000 - Earth System Science I**

GER 3/B
In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.

*prereq: at least one 100-level science course or perm instr.*

*prereq or coreq: GEOL 10100 or PGEOG 13000 or GEOG 22600 or perm instr.*

4 hrs3.5 cr.

**PGEOG 25100 - Earth System Science II**

GER 3/B
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.

*prereq: PGEO 25000 or perm instr.*

4 hrs3.5 cr.
PGEOG 49000 - Honors in Environmental Studies

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent. 
prereq: perm dept.

PGEOG 49800 - Internship in Environmental Studies

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser. 
1-4 cr.

Major Electives 6-8 credits
Graduate Courses (see graduate catalog)

PGEOG 630 Science and Society 3
PGEOG 660 Challenging Concepts in Earth Science 4
PGEOG 701.63 Earth Science Today 3
GTECH 710 Introduction to GIS 3
SEDC 710 Building Foundations of Literacy 3
SEDC 713 Methods I 3
SEDC 720 Adolescent Health and Safety 1
SEDC 724 Methods II 2
SEDC 754.04 Student Teaching in Earth Sciences 5
SEDF 703 Social Foundations of Adolescent Education 3
SEDF 704 Adolescent Development 2
SEDF 705 Educational Psychology 2
SEDF 706 Assessment of Teaching and Learning 2
PGEOG or GTECH elective credits (grad) 3

Mathematics (BA/MA): Additional Required Coursework and Student Teaching

Return to: Adolescent Education, Grades 7-12

Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool- community relations, inclusion of
students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

3 hrs 3 cr.

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

*prereq: SEDF 20300, 20400*

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

*prereq: SEDF 20500, SEDC 21000*

2 per week plus lab 2 cr.

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

3 hrs 3 cr.

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

*prereq: SEDF 20300, 20400*

1 hr 1 cr.

**Note**

*Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.*

**Additional Required Coursework and Student Teaching**

- SEDC 713 - Methods I: Advanced Study of Secondary Learning Environments for Teaching Mathematics and Science 3 cr
- SEDC 723 - Methods II: Intensive Study of Teaching Diverse Learners in Mathematics, Grades 7-12 2 cr
**Note(s)**

**See the Graduate Catalog for these graduate course descriptions**

### Mathematics or Statistics and Applied Mathematics - BA/MA

The BA/MA program offers promising students the opportunity to complete both the bachelor's and master's requirements with a minimum of 120 credits. Requirements are the same as those for a major in the department, plus 30 credits at the graduate level. Interested students should contact the graduate adviser for further information regarding eligibility and curriculum requirements.

#### Track 1: BA/MA Program in Mathematics

Students complete the BA with a traditional mathematics major, with 30 additional credits at the graduate level in pure mathematics approved by the departmental graduate adviser.

#### Track 2: BA/MA Program in Statistics and Applied Mathematics

Students complete the BA with a traditional major in statistics or mathematics, with 30 additional credits at the graduate level in applied mathematics, statistics, and computer science, approved by the departmental graduate adviser.

### Mathematics Preparation for Adolescent Education (Grades 7-12) - BA/MA

Students interested in secondary school teaching may pursue a combined BA/MA program in teaching. This program requires a minimum of 141 credits.

#### Admission Requirements for the BA/MA in Teaching

- Completion of at least 45 credits with a GPA of 2.8.
- Completion of at least 10 credits in mathematics, including a year of calculus (MATH 15000 and MATH 15500, or the equivalent), with an average of 2.7 in these major courses.
- Admission to the School of Education.

#### Degree Requirements for the BA/MA in Teaching

The BA/MA program in the teaching of mathematics includes 47–48 credits in mathematics (in addition to the year of calculus described above) and 23 credits in teacher education courses, some of them taken at the undergraduate level and some at the graduate level. The required courses are:

- The 33 credits required for the BA in Mathematics **OR** the 32 credits required for the BA in Statistics.

- The following 15 graduate credits: MATH 62000, 63000, 63300, 63500, and STAT 61200 *or 61400.

*Although students are required to take either STAT 61200 or STAT 61400, they are encouraged to take both courses.*

Also required is passing a comprehensive examination in mathematics consisting of three parts covering the material in MATH 620, 630, and 633. Students may sit for the comprehensive examination only after having taken all three
courses. Students who fail any part of the examination need only retake that part of the examination. A student can take any part of the comprehensive exam in mathematics twice; after that, a committee formed by the Mathematics/Statistics Chairperson and consisting of members from the Department of Mathematics and Statistics and the Department of Curriculum and Teaching will decide if the student can take the examination a third and final time.

The student should consult the School of Education section of the graduate catalog for the sequence of teacher education courses.

**Music (BA/MA): Additional Required Coursework and Student Teaching**

Return to: Adolescent Education, Grades 7-12

Additional Required Coursework and Student Teaching**

- SEDF 703 - Social Foundations of Adolescent Education 3 cr
- SEDF 704 - Adolescent Development, Grades 7-12 2 cr
- SEDF 705 - Educational Psychology: Applications to Adolescent Education 2 cr
- SEDF 706 - Assessment of Teaching and Learning in Adolescent Education 2 cr
- SEDC 710 - Building the Foundations of Literacy in Adolescent Education 3 cr
- SEDC 720 - Adolescent Health and Safety 1 cr
- MUSED 677 - Methods of Teaching Instrumental Music in Grades Pre-K-12 2 cr
- MUSED 678 - Methods of Teaching Vocal and General Music in Grades Pre-K-12 2 cr
- SEDC 756 - Student Teaching in Music, Pre-K-12 5 cr

**Note(s)**

**See the Graduate Catalog for these graduate course descriptions**

**Music - BA/MA**

**4-Year Dual BA/MA Degree**

The department offers unusually gifted students the opportunity to obtain a master's degree in four years with a minimum of 120 credits. Requirements are the same as those for the 42-credit BA plus those for the MA in music (30 credits at the graduate level; see graduate catalog). Students may be admitted to this program only after they have completed at least 60 credits of college work, including at least 29 credits in music (three semesters of music history, four semesters of music theory, and four semesters of musicianship). At least 12 credits (including six in music) must have been taken at Hunter College, and students must have a cumulative GPA of at least 3.5 with no grade of less than B in any music course. At that time, they must fulfill all requirements for entry into the MA program except completion of the BA degree. The graduate adviser must be consulted about the MA requirements.

**Music/Music Teacher Education Pre-K-12 - BA/MA**

Major Programs
The Department of Music offers three undergraduate and two BA/MA major programs to fit individual interests and requirements. Students must take three examinations before declaring a music major:

1. **Music notation, rudimentary theory, and basic aural skills.** This examination is prerequisite to MUSTH 22000 (Music Theory I).

   Students who do not pass it must take MUSTH 10100 (Basic Musicianship) or learn the material on their own, then repeat the examination.

2. **Elementary music history and literature.** This examination is prerequisite to MUSHL 20500 (Music History I). Students who do not pass it must take MUSHL 10100 (Introduction to Music) or learn the material on their own, then repeat the examination.

3. **Performance audition on an instrument or voice.** This examination is prerequisite to MUSPF 40100 (Private Instruction in Instrument or Voice). Students whose performance skills fall below New York State School Music Association (NYSSMA) level 2, equivalent to about one year of study, must take MUSPF 21100-MUSPF 21200 (Voice I-II), MUSPF 21300-MUSPF 21400 (Piano III), or private lessons at their own expense (without credit), then repeat the examination. Students with no experience in performance may defer the audition until the end of their first semester of study.

   Prospective majors should consult the Music Department’s undergraduate adviser as soon as possible to discuss these examinations and any prerequisite courses they may need before beginning the major.

**Piano Proficiency Requirement**

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the second year of study in music theory (MUSTH 32000 and MUSTH 32100). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

**5- to 6-Year Dual BA/MA Degree in Teacher Education**

Exceptionally qualified students may obtain a master’s degree in teacher education in 5-6 years with a minimum of 140 credits. Requirements are the same as those for the 42-credit BA plus requirements for the MA degree in music teacher education (see graduate catalog). Students may be admitted to this program only after they have completed at least 60 credits of college work, including at least 29 credits in music (three semesters of music history, four semesters of music theory, and four semesters of musicianship). At least 12 credits (including six in music) must have been taken at Hunter College, and students must have a cumulative GPA of at least 3.5 with no grade of less than B in any music course. They must have passed the Music Department’s piano proficiency examination and an audition-interview demonstrating reasonable mastery of an instrument or voice. In addition, they must either have passed the LAST (Liberal Arts and Sciences Test) or fulfilled the following requirements of the School of Education:

   a. Completion of developmental courses;

   b. Grade of B- or better in ENGL 12000 or a 200- level English course;

   c. Application, on-site essay, and interview with the School of Education;

   d. Proof of negative result on TB test;

   e. Maximum of 6 credits taken with CR/NC grades, or else calculation of those grades as C/F for computation of grade-point average.
Admission requires the consent of both the Music Department and the School of Education. See the School of Education section of both the undergraduate and graduate catalogs for more information.

**Minor**

For 25-credit music majors, the minor consists of 12 credits in a field of study leading to a BA degree and approved by the Music Department adviser. Double-majors and students in other music major programs are exempt from the minor requirement. Minor courses can be used without limit to satisfy stages 1, 2, and 3 of the GER.

**Minor for non-Majors**

For students minoring in music, the requirements are determined by the student’s major department. See your major adviser. The Music Department recommends the following courses. Because 300-level courses are intended primarily for music majors and have extensive prerequisites, students whose major departments require a 300-level course in the minor may, with permission of their adviser, substitute a 200-level course in the music minor.

**MUSTH 10100 - Music Theory Fundamentals**

GER 2/D
For non-majors. Introduction to music theory, sight singing, and ear training.
3 hrs 3 cr.

or

**MUSTH 22000 - Music Theory I**

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

*prereq: ability to read music as demonstrated by dept. exam, perm dept.*
coreq: MUSTH 23000
3 hrs 3 cr.

*offered fall*

**MUSTH 23000 - Musicianship I**

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.

coreq: MUSTH 22000
3 hrs 2 cr.

*offered fall*

**MUSHL 10100 - Introduction to Music**

GER 2/D PD/D
For non-majors. Selected compositions primarily from the European tradition studied with aim to develop perceptive listening.
3 hrs 3 cr.

**MUSHL 10700 - The World of Music**
GER 2/D PD/A
For non-majors. Introduction to music from a spectrum of world cultures, including Africa, Asia, and the Caribbean.
\[ 3 \text{ hrs} \times 3 \text{ cr.} \]
- One course with an MU-H prefix at the 200-level
- 1-3 credits of music electives

**Grading Policy**

Students must have grades of C or better in all prerequisite courses in order to take courses that are required for the major. The grade of CR may not be elected in major courses. In accordance with Hunter College policy, a course may not be taken more than twice without permission of the department.

**Honors**

To qualify for departmental honors in music, a student must have a 3.5 grade point average in major courses and complete an honors project, taken under the following course number. The project, which must be approved in advance by the Policy Committee, may be a research paper on a historical, theoretical, or other topic; an original composition; or a recital. All projects should demonstrate an advanced level, a broad scope, and a high quality, and must be done under the supervision of a faculty member of the Music Department.

**MUSTH 49100 - Honors Project**

Upper Jr/Sr only. Individual project of large scope in music history, theory, composition, or performance.

*prereq: minimum music GPA of 3.5, perm undergrad adviser

1 sem\[ \text{3 cr.} \]

**MUSTH 49200 - Honors Project**

*prereq: MUSTH 49100

1 sem\[ \text{3 cr.} \]

**Physics (BA/MA): Additional Required Coursework and Student Teaching***

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<thead>
<tr>
<th>Number</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SEDF 703</td>
<td>Social Foundations of Adolescent Education</td>
<td>3</td>
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SEDC 720  Adolescent Health and Safety  1

SEDC 724  Methods II: Intensive Study of Teaching Diverse Learners in Science, Grades 7-12  2

SEDC 754.03  Student Teaching in Physics, Grades 7-12  5

***See the Graduate Catalog for these graduate course descriptions

Physics - BA/MA

This special program for a limited number of well qualified students leads to a bachelor of arts and a master of arts degree. Students are offered the opportunity to quickly reach a level where they are competitive for admission into any doctoral program in physics. The program requires 124-126 credits (including the 30 credits required for a physics major BA degree and 30 credits from the graduate curriculum). Because this program requires a large number of physics courses, many of which have other physics courses as prerequisites, students in this program should begin taking physics courses in their first or second semester. Students should consult with the department chair, undergraduate adviser or graduate adviser for details as early as possible.

Bachelor of Arts/Master of Science - BA/MS

Sociology/Social Research - Accelerated BA/MS

Five-Year BA/MS Program

For a limited number of qualified students, the department offers an accelerated five-year program leading to a BA in sociology and an MS in social research. The program requires a total of 145 credits of college work (100 undergraduate, 45 graduate), a three month full-time supervised research internship in a non-academic setting (or part-time for six months), and a research paper. In order to be admitted to the program, students must complete their basic requirements, pass an honors course (independent study or honors seminar), and meet the requirements of the MS program as outlined in the graduate catalog except for the GRE examination. Undergraduate students are typically admitted to the program toward the end of their junior year when they have completed 100 credits and they begin their graduate work at the beginning of their senior year. Interested students should consult the program’s adviser at the earliest possible date.

Bachelor of Fine Arts - BFA

Studio Art - BFA
This degree is open to the student who wants to complete work in studio art beyond the 42-credit major and particularly the student who intends to pursue a career as a professional artist and attend graduate school. Students follow the regular GER for the BA degree. Departmental approval of the 61-credit BFA concentration is required. Students who have successfully completed 90 credits may apply to the BFA program, pending an interview with the BFA adviser. Students are required to maintain a GPA of 3.0 in this program. Required courses are as follows:

Year 1 6 cr

**ARTLA 10100 - Introduction to Study of Visual Experience**

Introduction to conceiving and formulating ideas for visual experience. Students work in 3 different areas in day session, 2 in evening session.
6 hrs3 cr. + 3 cr. hrs open studio

**ARTCR 22100 - Drawing**

Basic principles in various media and subjects. Eye/hand coordination, perceptual acuity, spatial organization; interpretation of directly observed subjects.
*ARTC 10100 and 22100 are prerequisites to all studio courses.*
prereq: ARTC 10100
4 hrs3 cr. + 5 hrs open studio

**ARTH 11100 - Introduction to History of Art**

GER 2/D PD/D
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.
3 hrs3 cr. cr

Year 2 12 cr

four of the following six courses or 3 of the following 6 courses plus one 300-level course:

**ARTCR 22500 - Graphic Arts Workshop**

Techniques of woodcut, intaglio, lithography, silkscreen and related media.
*ARTC 10100 and 22100 are prerequisites to all studio courses.*
prereq: ARTC 10100 and 22100
4 hrs3 cr. + 5 hrs open studio

**ARTCR 23500 - Painting**

Basic principles of painting. Studio practice using varied paint media, varied paint surfaces, paper and canvas.
*ARTC 10100 and 22100 are prerequisites to all studio courses.*
prereq: ARTC 10100 and 22100
4 hrs3 cr. + 5 hrs open studio

**ARTCR 25100 - Sculpture**
Basic principles of sculpture. Studio practice in varied materials.  
**ARTC 10100 and 22100 are prerequisites to all studio courses.**  
4 hrs 3 cr. + 5 hrs open studio

**ARTCR 25700 - Ceramics**

Introduction to pottery and ceramic sculpture, including hand forming, throwing on the wheel, glazing and kiln operation.  
**ARTC 10100 and 22100 are prerequisites to all studio courses.**  
4 hrs 3 cr. + 5 hrs open studio

**ARTCR 27100 - Principles of Photography**

Black and white photography as creative medium; camera and its functions; exposure and film development, contact printing and enlarging.  
**ARTC 10100 and 22100 are prerequisites to all studio courses.**  
3 hrs 3 cr. + 6 hrs open studio

**ARTCR 29000 - Combined Media**

An introduction to basic technologies, methods and ideas that result in ways of making art that mix and combine media. The course will emphasize the production of moving images, sounds, performance as well as still images and objects.  
4 hrs + 5 hrs open studio 3 cr.

**Year 3**

At least one area of concentration with two 300-level courses repeated in any one of the following: 6 cr

**ARTCR 32200 - Advanced Drawing**

Continued experience in drawing with emphasis on drawing from life.  
**May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.**  
**prereq:** ARTC 22100  
4 hrs 3 cr. + 5 hrs open studio

**ARTCR 32600 - Advanced Graphic Arts Workshop**

Advanced study of one or more graphic art methods. Individual exploration emphasized.  
**May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.**  
**prereq:** ARTC 22500  
4 hrs 2 cr. + 5 hrs open studio

**ARTCR 33600 - Advanced Painting**

Continued experience in painting with possible concentration upon one medium and theme. Individual exploration emphasized.  
**May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.**
prereq: ARTC 23500
4 hrs 3 cr. + 5 hrs open studio

ARTCR 35200 - Advanced Sculpture

Continued experience in sculpture with possible concentration in one material. Individual exploration emphasized. *May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*
prereq: ARTC 25100
4 hrs 3 cr. + 5 hrs open studio

ARTCR 35700 - Advanced Ceramics

Continued experimentation in form, surface and techniques. Individual exploration emphasized. *May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*
prereq: ARTC 25700
4 hrs 3 cr. + 5 hrs open studio

ARTCR 37200 - Advanced Photography

Techniques and aesthetics of black and white photography; self-expression and exploration; classroom critiques. *May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*
prereq: ARTC 27100
3 hrs 3 cr. + 6 hrs open studio

ARTCR 39000 - Combined Media

Continued experience in combined media with possible concentration in one approach and/or method. Individual exploration will be emphasized. May be repeated once (i.e., taken twice).

4 hrs + 5 hrs open studio 3 cr.

Additional studio art requirements: 6 cr

- Courses chosen from all other 200- and 300-level studio art courses. Special-topic advanced studio courses will also be offered each semester for advanced art students; however they do not count toward the major concentration.

Art history requirements: 15 cr

To be completed by the end of year three.

ARTH 11100 - Introduction to History of Art

GER 2/D PD/D
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.
3 hrs 3 cr. cr

ARTH 24900 - Twentieth-Century Art I (W)
GER 3/A PD/D
Western art to World War II.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 25000 - Twentieth-Century Art II (W)
GER 3/A PD/D
Western art from World War II to approximately 1980.
prereq: ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.
- and six to nine additional credits chosen from 200- and 300-level courses.

ARTH 25100 - Contemporary Art (W)
GER 3/A
Significant international artists and art works of the past twenty years, as well as recent developments in art theory and criticism.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
prereq: ARTH 11100
3 hrs 3 cr.

Year 4 16 cr

ARTCR 40500 - Art and Current Ideas II
Lecture and discussion; a non-studio course. Topics of concern in art today as brought forth by current exhibitions. Scheduled trips to galleries and museums. Reading assignments, papers and oral reports focus on issues relative to the exhibitions.
ARTC 10100 and 22100 are prerequisites to all studio courses.
prereq: BFA students or perm dept.
3 hrs 3 cr.

ARTCR 45900 - Professional Experience in Art I
BFA majors, seniors only. Not credited toward BA degree. Advanced projects may include activities outside the college, as well as within the department.
ARTC 10100 and 22100 are prerequisites to all studio courses.
prereq: perm BFA committee at end of junior yr.
3 hrs + 15 hrs open studio 6.5 cr.

ARTCR 46000 - Professional Experience in Art II
Continuation of ARTC 45900.

ARTC 10100 and 22100 are prerequisites to all studio courses.

3 hrs + 15 hrs open studio6.5 cr.

Honors

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Student must submit 35mm slides of an advanced studio project or independent study course.

ARTCR 36000 - Special Projects

Advanced students only. Advanced projects are announced prior to registration each term. Recent examples of Special Projects courses: Color Photo; Advanced Photo Darkroom Process; Collage and Assemblage; Color as Communication; Computer Graphics; Projects in Clay; Advanced Watercolor Painting; Experiment: Photography and Graphics; Site-Specific Painting; Projects in 2-D, Digital Art, Advanced Digital Art, Video for Artists, Installation Art, Sculpture: Methods & Materials, Advanced 2-D studio Seminar, Politics & Painting, Unconventional Approaches: Drawing, 2-D, 3-D, 4-D Seminar, Advanced Painting Tech. & Concepts

prereq: See department

3 hrs3 cr. + 5 hrs open studio

ARTCR 40200 - Independent Study in Studio Art

ARTC 10100 and 22100 are prerequisites to all studio courses.

prereq: perm instr.

1-3 hrs1-3 cr. per semester

Graduate Study

The Department of Art offers a number of courses, listed in the Graduate Catalog, that may be credited toward the degree of master of arts. Qualified students in the senior year may be admitted to these courses with the approval of the graduate art history adviser.

Bachelor of Music - BMus

Music - BMus

60-Credit Major

This degree is designed for students planning to pursue careers as professional performers of music or as teachers of music performance. It provides intensive instruction in the student’s instrument or voice; solid training in music history and theory; and a broad, liberal arts education. Admission to this program is conditional on passing an audition (preferably before the student enters college) demonstrating a high level of skill in performance. Requirements are:

Music history:

MUSHL 20100 - Introduction to Music Research
Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals, scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing issues specific to music.

**coreq:** MUSHL 20500
**optional coreq:** ENGL 12000
1 hr 1 cr.
offered fall

**MUSHL 20500 - Music History I**

PD/D
For music majors. Survey of the history of music in the European tradition to 1600.

**prereq:** elementary knowledge of music history and literature, demonstrated by dept. exam
**coreq:** MUSHL 20100
3 hrs 3 cr.
offered fall

**MUSHL 20600 - Music History II (W)**

PD/D
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600 to 1800.

**prereq:** MUSHL 20100, 20500, ENGL 12000
**coreq:** MUSTH 22000, 23000
3 hrs 3 cr.
offered spring

**MUSHL 30500 - Music History III (W)**

PD/D
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.

**prereq:** MUSHL 20600, MUSTH 22100, 23100
3 hrs 3 cr.
offered fall
and any other 3-credit MUSHL course at the 300-level

Music theory:

**MUSTH 20100 - Introduction to Music Technology**

An introduction to basic music technology skills: music notation software, MIDI sequencing, and digital audio editing.

**prereq or coreq:** prereqs: MUSTH 22000 and 23000, or perm dept.
1 hr 1 cr.
offered spring

**MUSTH 22000 - Music Theory I**

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

**prereq:** ability to read music as demonstrated by dept. exam, perm dept.
**coreq:** MUSTH 23000
3 hrs 3 cr.
offered fall
MUSTH 22100 - Music Theory II

Continuation of MUSTH 22000.
\[ \text{prereq: MUSTH 22000} \]
\[ \text{coreq: MUSTH 23100} \]
\[ 3 \text{ hrs} 3 \text{ cr.} \]
\[ \text{offered spring} \]

MUSTH 23000 - Musicianship I

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.
\[ \text{coreq: MUSTH 22000} \]
\[ 3 \text{ hrs} 2 \text{ cr.} \]
\[ \text{offered fall} \]

MUSTH 23100 - Musicianship II

Continuation of MUSTH 23000.
\[ \text{prereq: MUSTH 23000} \]
\[ \text{coreq: MUSTH 22100} \]
\[ 3 \text{ hrs} 2 \text{ cr.} \]
\[ \text{offered spring} \]

MUSTH 32000 - Music Theory III

Intermediate-level study of melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.
\[ \text{prereq: MUSTH 20100, MUSTH 22100} \]
\[ \text{coreq: MUSTH 33000} \]
\[ 3 \text{ hrs} 3 \text{ cr.} \]
\[ \text{offered fall} \]

MUSTH 33000 - Musicianship III

Sight singing, ear training, and keyboard drill on materials studied in corequisite course. Individual work in the Computer Assisted Instruction facility.
\[ \text{prereq: MUSTH 23100} \]
\[ \text{coreq: MUSTH 32000} \]
\[ 3 \text{ hrs} 2 \text{ cr.} \]
\[ \text{offered fall} \]
\[ \text{and any other 3-credit MUSTH course at the 300-level} \]

Private lessons:

MUSPF 43100 - Individual Instruction in Instrument or Voice

Limited to students in the 60-credit BMus program and the BA/MA music program. Intensive study in instrumental or vocal techniques. Jury examination required.
\[ \text{May be taken 8 times.} \]
\[ \text{prereq: perm dept.} \]
\[ 1 \text{ hr} 3 \text{ cr.} \]

Performance ensembles:
For instrumentalists - 6 credits in instrumental ensembles

Choose 6 credits from the following:

**MUSPF 23100 - Hunter Symphony**

Rehearsal and performance of orchestral works. May be taken 8 times.
*prereq: audition, perm instr.*
3 hrs1 cr.

**MUSPF 24900 - Jazz Ensemble**

Open to all instrumentalists by audition. Study and performance of popular forms of music, including dance, jazz, and musical comedy. May be taken 6 times.
2 hrs1 cr.

**MUSPF 35500 - Chamber Music Workshop**

Rehearsal and public performance of instrumental chamber works. May be taken 6 times.
*prereq: audition, perm instr.*
2 hrs1 cr.

**MUSPF 25000 - Popular Music Combo**

Study and performance within a small ensemble context of the popular music genres, such as Pop, Rock, Hip-Hop, R & B, Country/Bluegrass, and Jazz. May be taken 6 times.
*prereq or coreq: prereqs: audition, perm dept.*
2 hrs1 cr.

**MUSPF 36500 - Topics in Piano Performance**

Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.
*May be taken 4 times.*
*coreq: MUSPF 40100 or 43100*
2 hrs1 cr.

For singers

6 credits in vocal ensembles

**MUSPF 22100 - College Choir**

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.
3 hrs1 cr.

**MUSPF 25100 - Jazz Vocal Workshop Ensemble**
Jazz performance and improvisation. May be taken 6 times.

*prereq: MUSPF 11100 or 21100 or 40100 in Voice, and audition

2 hrs1 cr.

**MUSPF 35300 - Chamber Singers**

Study and public performance of solo and chamber chorus works from all musical eras. May be taken 6 times.

*prereq: audition, perm instr.

2 hrs1 cr.

**MUSPF 36900 - Topics in Vocal Performance**

Seminar in performance for advanced voice students, focusing on a different topic each semester. The seminar will involve study and performance of representative works of vocal repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

*May be taken 4 times.

*prereq: ENGL 12000, coreq: MUSPF 40100 or 43100

2 hrs1 cr.

For singers, a minimum of 2 credits must be in MUSPF 36900

**For pianists**

A minimum of 2 credits must be in

**MUSPF 36500 - Topics in Piano Performance**

Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

*May be taken 4 times.

*coreq: MUSPF 40100 or 43100

2 hrs1 cr.

**Electives:**

- 4 credits in music courses above the 100-level.

**Recital:**

- A senior recital, for which no credit is given, is also required.

**Piano Proficiency Requirement**

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.
Bachelor of Science - BS

Accounting - BS

The degree of bachelor of science (accounting) offered at Hunter College fulfills educational requirements for the CPA examination in New York State. Candidates pursuing licensure in New York State will need to complete 150 college credits including ECO 490 (Accounting and Auditing Research). An appropriate masters degree, while not required, is another path to licensure. For information on the MS in Accounting at Hunter College, see the Hunter College Graduate Catalog.

All students contemplating a career in accounting should request an interview with the accounting program adviser during the lower freshman term. To assure completion of the BS (accounting) degree within four years, a full-time student should begin the accounting major sequence in the upper freshman term, if possible, and no later than the lower sophomore term, by registering for ECO 27100.

Majors

The Department of Economics offers two majors: the BA in economics, requiring a minimum of 24 credits and the BS in accounting, requiring a minimum of 30 credits of accounting and an additional 33 credits of professional studies. Details are outlined below.

Grade Options

The department strongly urges economics majors who plan to go on to graduate or professional school to choose letter grades rather than CR/NC. Students enrolled in the BS (accounting) curriculum may not use CR/NC grades for the 30 accounting credits in the accounting major.

Progression in the Major Students who have not completed the prerequisite(s) with a grade of C, CR, or better will not be allowed to register for the course for which the prerequisite(s) are required. The following are required for the major and must be completed with a grade of C, CR or better to be accepted for credit toward fulfillment of the major.

ECO 22000 - Techniques of Economic Analysis

GER 3/B
Mathematical techniques applied to economic models.
prereq: ECO 20000; MATH 12500 or exemption from the course
3 hrs3 cr.

ECO 22100 - Economic Statistics I

GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.
prereq: MATH 12500 or exemption from the course
3 hrs3 cr.

Interdepartmental Fields
Students may take courses in economics as part of an interdepartmental program of study in Latin American and Caribbean studies, environmental studies (geography), women’s and gender studies and Jewish social studies. Listings in each area discuss recommended courses.

**Internships**

Students may receive one credit for internships in government agencies, private firms, and not-for-profit institutions. The position must provide opportunities for learning about some area of economics, accounting, or business. The course may be taken no more than twice. Credits may not be applied towards the economics or accounting major. Internships will be graded on a CR/NC basis. Note that it is the responsibility of the student, not the Department, to identify internship opportunities.

**Honors**

Students with a 3.5 GPA in a major offered by the department and an overall 2.8 GPA at the beginning of their upper senior semester may apply for departmental honors at that time. Completion of the following and submission of an honors paper are required. Honors papers are written under faculty supervision and must be approved by a second reader as well. GPA levels must be maintained for the award of departmental honors.

For interested students, the department offers concentrations in public policy and in commercial and financial enterprises. The concentration in public policy prepares students for analytical and managerial careers in both the public and private sectors, as well as providing a firm foundation for graduate or professional studies. The concentration in commercial and financial enterprises provides a general background in the skills and knowledge necessary for a successful business career. Information is available in the Economics Department.

**General Education Requirement**

Students working for a BS (accounting) degree must complete the General Education Requirement (see General Education Requirement section) except that:

A. The Stage 1, Group B Quantitative Reasoning Requirement must be met by MATH 15000. This should be done within the first 75 credits of college work. For students already at or beyond this point when they become majors, the course should be taken within the first 12 credits following declaration of the major.

B. The foreign language requirement is modified, so that:

1. Students who present three or more years of one foreign language are excused from taking additional foreign language courses;

2. Students who present two years of one foreign language must take two additional courses of advanced-level work in the same language or, if they do not want to go on with that language in college, they must take four courses in another foreign language at the college level;

3. Students who present fewer than two years of one foreign language must take four courses in that or any other foreign language at the college level. (Students must file with the Department of Economics a high school transcript or other evidence of completion of the requisite number of years.)

C. In Stage 2, Group B, 3 of the 6 required credits must be in ECO 20100. (ECO 200, which must be taken as part of the professional studies requirement, cannot be used to fulfill the Stage 2, Group B requirement for accounting majors.)
D. Electives. Any remaining credits needed to complete the 120 credits required for the BS (accounting) degree must be in liberal arts electives.

Professional Studies (64 cr)

Accounting (31 cr)

**ECO 27100 - Accounting I**

Basic accounting concepts; preparation of financial statements. Emphasis on income determination and financial position.  
_prereq: upper freshman standing_  
3 hrs 3 cr.

**ECO 27200 - Accounting II**

Accounting concepts applied to partnerships and corporations; funds statements; financial statement analysis.  
_prereq: ECO 27100_  
3 hrs 3 cr.

**ECO 37100 - Intermediate Accounting I**

In-depth study of current concepts relating to accounting for assets and current liabilities.  
_prereq: ECO 27200_  
3 hrs 3 cr.

**ECO 37200 - Intermediate Accounting II**

Revenue recognition; accounting for equities, income taxes, pensions, leases, price level changes.  
_prereq: ECO 37100_  
3 hrs 3 cr.

**ECO 37300 - Federal Income Taxation**

Principles of federal income taxation and the impact of taxes on individuals.  
_prereq or coreq: ECO 37200 or perm chair_  
3 hrs, 3 cr.

**ECO 37400 - Managerial Accounting (Cost Accounting)**

Accumulation, analysis, presentation and use of cost data by management; budgets.  
_prereq: ECO 37200 or perm chair_  
3 hrs 3 cr.

**ECO 47100 - Advanced Accounting I**

prereq: ECO 37200
3 hrs3 cr.

ECO 47200 - Advanced Accounting II

Accounting theory and practice focused on partnerships, joint ventures, multinationals, government and public sector entities; not-for-profit accounting; interim and segment reporting; SEC problems, fiduciary accounting, bankruptcy.
prereq: ECO 37200
3 hrs3 cr.

ECO 47300 - Business Taxes

Federal income taxation of partnerships and corporations; other special tax issues.
prereq: ECO 37300
3 hrs3 cr.

ECO 47500 - Auditing

Auditing theory and practices; ethics of accounting profession; procedures for auditing financial statements.
prereq: ECO 47100
4 hrs4 cr.

Additional Information

An overall average of at least “C” must be maintained in these 30 credits.

Business Law (6 cr)

ECO 28000 - Business Law I

Legal institutions; contract law and commercial paper law with focus on Uniform Commercial Code.
prereq: sophomore standing or perm chair
3 hrs3 cr.

ECO 38000 - Business Law II

Legal aspects of business organizations; agency, partnership and corporate relationships.
prereq: ECO 28000
3 hrs3 cr.

Statistics (3 cr)

ECO 22100 - Economic Statistics I

GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.
prereq: MATH 12500 or exemption from the course
3 hrs3 cr.
Additional Information

For students already at or beyond this point when they become majors, the course should be taken within the first 12 credits following declaration of the major.

Finance (6 cr)

Select two of the following courses:

**ECO 21000 - Money and Banking**

GER 3/B
Monetary and banking principles and practice; current issues; theory and policy.
*prereq: ECO 20000, 20100*
3 hrs 3 cr.

**ECO 36500 - Corporate Finance**

GER 3/B
Analysis of corporate investment and financing decisions.
*prereq: ECO 20000 and ECO 22100 or STAT 21300*
3 hrs 3 cr.

**ECO 36600 - Security and Investment Analysis**

GER 3/B
Operation of the stock market; security analysis and evaluation; economic variables influencing security values.
*prereq: ECO 36500*
3 hrs 3 cr.

**ECO 36700 - Analysis of Financial Statements**

GER 3/B

Business Core-Required (6 cr)

**ECO 20000 - Principles of Economics: Microeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
*prereq: MATH 10100 or exemption from the course*
3 hrs 3 cr.
- One course in computer science

**ECO 47600 - Computer Accounting Systems**

**prereq:** ECO 37200 and declaration as an accounting major 
3 hrs3 cr.

**Business elective (12 cr)**

Choose from the following:

**ECO 26000 - Business Organization and Management**

GER 3/B  
The economic theory of the firm, including the formal analysis of incentives and contracts. Particular focus on how the internal organization of the firm can mitigate the negative effects of conflicts of interest between different stakeholders in the firm. 

**prereq:** ECO 20000 
3 hrs3 cr.
- Any 300- or 400-level ECO course (480 is strongly recommended)
- One additional computer science course may be used as a business elective

**Minor in Accounting**

An Accounting minor is available to students who are not majoring in Economics. For details and requirements, see the undergraduate adviser.

The minor will consist of 15 credits with the following required courses:

**ECO 27100 - Accounting I**

Basic accounting concepts; preparation of financial statements. Emphasis on income determination and financial position. 

**prereq:** upper freshman standing  
3 hrs3 cr.

**ECO 27200 - Accounting II**

Accounting concepts applied to partnerships and corporations; funds statements; financial statement analysis. 

**prereq:** ECO 27100  
3 hrs3 cr.

**ECO 37100 - Intermediate Accounting I**

In-depth study of current concepts relating to accounting for assets and current liabilities. 

**prereq:** ECO 27200  
3 hrs3 cr.

**ECO 37200 - Intermediate Accounting II**
Revenue recognition; accounting for equities, income taxes, pensions, leases, price level changes.

*prereq: ECO 37100
3 hrs 3 cr.

and one of the following electives:

**ECO 37400 - Managerial Accounting (Cost Accounting)**

Accumulation, analysis, presentation and use of cost data by management; budgets.

*prereq: ECO 37200 or perm chair
3 hrs 3 cr.

**ECO 47100 - Advanced Accounting I**


*prereq: ECO 37200
3 hrs 3 cr.

**MS in Accounting**

The Department of Economics offers a Masters (MS) program in accounting for students who have earned a BS in accounting (or its equivalent). Students in the MS program must earn 30 credits at the graduate level. For details and admission requirements, see the Hunter College Graduate Catalog.

**Community Health - BS**

**Community Health**

**Program Coordinator:**

Jessie Daniels  
830 Brookdale West  
(212) 481-5111  
E-mail: jdaniels@hunter.cuny.edu  
Web site: http://www.hunter.cuny.edu/uph/undergraduate

**COMMUNITY HEALTH BS**

Community health majors use organizing, educational, media and technological skills along with a sound knowledge of public health to encourage, maintain and improve the health of people in diverse communities. They develop, implement and coordinate health interventions, communicate with a variety of publics about what constitutes good health, how to prevent disease and illness and how to secure treatment when needed.

Community health majors are employed in community-based and human rights organizations, family planning clinics, mental health centers, homeless shelters, research centers, media organizations, as well as in city and state health departments. The BS degree in Community Health at Hunter provides the background for positions in the field and the academic background to pursue graduate education in public health, social work and related fields.

Fieldwork placements provide students with an opportunity to practice skills prior to graduation.
Admission Requirements

Completion of 60 credits; combined grade point average of all postsecondary institutions attended of 3.0; completion of all prerequisite courses.

The requirements for admission into the COMHE major are completion of 60 credits, including the following courses: one semester of statistics; one semester composition; two semesters of sociology; two semesters of anthropology; one semester chemistry with lab; two semesters of psychology, with a combined GPA of all postsecondary institutions attended of 3.0. Students enter the community health program in the fall semester only (no spring admission). Students may apply during the semester that they are completing prerequisites for the program. All applicants, including current Hunter College students, must apply for admission to the program.

Please note that prospective COMHE majors must also apply directly to the program in addition to applying for admission through CUNY. Further details about this two-step application process are available at the website: http://www.cuny.edu/site/sph.html

Requirements for Graduation in Community Health (120 cr.)

General Education Requirement

The Hunter General Education Requirement consists of a three-stage Core requirement and Graduation Requirement

- List of Approved Courses for GER Core Stage 1: Academic Foundations
- List of Approved Courses for GER Core Stage 2: Broad Exposure
- List of Approved Courses for GER Core Stage 3: Focused Exposure

As students fulfill their GER, they may select from the courses in the lists above except where indicated below:

Stage 1: Academic Requirements

Stage 1/B

STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs3 cr.

Stage 2: Broad Exposure

Stage 2/B
PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs 3 cr.

PSYCH 15000 - Human Development

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.
prereq: PSYC 10000
3 hrs 3 cr.

-or-

PSYCH 21000 - Child Psychology (D/S)

GER 3/B
Emotional, social, motor and cognitive development as influenced by genetic, cultural and individual factors during the first twelve years of life. (May not be taken for credit by students who have a collateral major, or a minor, in education.)
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

Stage 2/E

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.
Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
4 hrs (3 lec, 1 rec) 3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec) 1.5 cr.

COMHE 32800 - Public Health Biology
Introduction to population biology and ecological principles underlying public health and the relationship of biology to public health. Offers a basic understanding of the biological basis of core public health issues including infectious diseases, vaccines, genetic illnesses, neoplastic processes and environmental illnesses.

prereq: acceptance to the COMHE major or permission of the instructor
3 hrs3 cr.

Graduation requirements

- Foreign language not required
- Writing: up to three courses in significant writing - “W” designated courses List of Approved Courses for the GER Writing Requirement
- Pluralism and Diversity List of Approved Courses for the GER Pluralism and Diversity Requirement

Note(s)

Note: An additional 6 credits in social science courses of 200-level or above are required for this major. See below. Selected Pluralism and Diversity courses may partially fulfill the social science requirement.

Specialization

- No minor required.

Required (42 cr)

**COMHE 30100 - Introduction to Community and Public Health**

An introduction to the study of structural inequalities that contribute to health disparities with an emphasis on communities – geographic, identity-based, or virtual, as the focus for research and intervention.

prereq: acceptance to the COMHE major, or permission of the instructor.
3 hrs3 cr.

**COMHE 30200 - Principles of Health Promotion**

Introduction to community health methods; presentation skills, learning theories.

prereq: acceptance to the COMHE major, or permission of instructor
3 hrs3 cr.

**COMHE 30300 - Social Structure and Health**

An exploration of the roles of economic structure and social linkages that shape health -- including power relations, interactions between subgroups within society, and tensions within groups over institutional control and individual agency.
COMHE 30400 - Introduction to Health Communication Theory and Practice

An introduction to the field of health communication with a particular emphasis on theoretical constructs, case studies and U.S. and international practical models and applications. Highlights the multidisciplinary and multifaceted nature of health communication and its contribution to the achievement of behavioral, social and organizational objectives as one of the keys to public health interventions.

prereq: acceptance to the COMHE major, or permission of the instructor
3 hrs 3 cr.

COMHE 30600 - Social Disparities in Health

In depth examination of the social, cultural and political factors that influence and lead to health disparities and health inequalities. Course explores demographic trends in mortality and morbidity and the role of history, race, class, policy, and socioeconomic and cultural factors, and health literacy levels in the development and continuation of disparities in health. This course uses a social justice lens to understand health, health care and health disparities.

prereq: acceptance to the COMHE major or permission of the instructor.
3 hrs 3 cr.

COMHE 32500 - Environmental Public Health

Impact of environmental problems associated with urbanization, e.g., water quality, air and noise pollution, waste disposal and radiation hazards.

prereq: acceptance to the COMHE major, or permission of the instructor
3 hrs 3 cr.

COMHE 32800 - Public Health Biology

Introduction to population biology and ecological principles underlying public health and the relationship of biology to public health. Offers a basic understanding of the biological basis of core public health issues including infectious diseases, vaccines, genetic illnesses, neoplastic processes and environmental illnesses.

prereq: acceptance to the COMHE major or permission of the instructor.
3 hrs 3 cr.

COMHE 33000 - Principles of Epidemiology

Methods of study of disease; risk factors; distribution, causes, prevention, and control of selected diseases.

prereq: Acceptance to the major, or permission of the instructor.
3 hrs 3 cr.

COMHE 40500 - Health Care Systems and Health Policy

Overview of U.S. health care system, official and voluntary agencies; introduction to administrative skills, especially those skills necessary for working the health care field.

prereq: Acceptance to the COMHE major or permission of the instructor.
3 hrs 3 cr.
COMHE 40800 - New Media and Health

An introduction to key technological advances and current use of new media (Internet and other digital media, mobile technology, etc.) to communicate about health issues as part of broad community based public health and health communication interventions. It also provides students with practical skills in creating media for health promotion.

prereq: Acceptance to the COMHE major or permission of the instructor
3 hrs 3 cr.

COMHE 41100 - Community Health Assessment

Introduction to assessing health needs of communities and populations, in preparation for fieldwork.

prereq: acceptance to the COMHE major or permission of the instructor
3 hrs 3 cr.

COMHE 41200 - Directed Fieldwork Practicum

prereq: acceptance to the COMHE major or permission of instructor
3 hrs 3 cr.

COMHE 41300 - Research Symposium

Data analysis, evaluation and write up of fieldwork research projects culminating in production of e-Portfolio.

prereq: acceptance to the COMHE major or permission of the instructor
3 hrs 3 cr.

NFS 14100 - Nutrition

Fundamentals of the science of nutrition as they apply to individuals and society.

Open to all students.
3 hrs 3 cr.

Required Electives (6 cr.)

in COMHE, SOC, ANTH, any 200-level or above course, or

NFS 13100 - Food Science I

Basic principles of the chemical and physical nature of foods, food sanitation and safety; the nutritional value of food in relation to storage, processing and preparation.

Open to all students.
3 hrs 3 cr.

Total Credits 120

Medical Laboratory Sciences - BS

Return to the School of Health Sciences
Medical Laboratory Sciences–BS

Program Director:

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HEGIS Code: 1223

Curriculum for the Bachelor of Science Degree

Medical Laboratory Sciences (MLS) is a pre-professional major, preparing students for careers in laboratories devoted to promoting, maintaining and restoring human health. The MLS curriculum builds upon the basic science courses required to enter the program. Courses in the major fall into the following categories:

1. fundamental lab skills
2. clinical subspecialties
3. advanced biomedical courses
4. pre-professional practice

Emphasis is placed on problem solving and development of laboratory strategies, in addition to theoretical knowledge and practical skills in each of the disciplines in the curriculum. The academic demands of MLS courses often require students to carry lower credit loads than they are accustomed to. Part-time attendance and some evening classes are mechanisms for assisting students complete the challenging curriculum. See course descriptions below and the MLS Web site for more detail.

Professional Outcomes

Entry-Level Positions Students completing the MLS degree are prepared for positions in a variety of settings. These include clinical (medical) technologists in diagnostic laboratories in hospitals and commercial environments, research assistants in medical center and university labs, pharmaceutical and biotechnology companies and public health laboratories. Personnel shortages are severe in several of these areas, and opportunities are predicted to grow. The Monthly Labor Review projects a growth rate of 23% for clinical laboratory positions through 2014.

The passage of the Clinical Laboratory Technology Practice Act in 2005 created a transparent professional pathway defining the education, experience and examination to qualify as a clinical technologist in New York State www.op.nysed.gov/prof/clt/subpart79-13.htm). While regulations for implementation are still in development, the MLS course of study has been defined as fulfilling the educational and practice components for licensure under the transition guidelines. It is expected that status as licensed professionals will help to alleviate shortages in the field.

Further Education

MLS students are encouraged to plan for postbaccalaureate education, and guided to complete prerequisites. MLS alumni have been successful in medical and dental school, graduate programs in biomedical science (master’s and
PhD), management and clinical specialties (PA, forensic science, etc.) and advanced laboratory diagnostics such as cytotechnology.

Opportunities for Pre-Professional Experience

Professional Practice Qualified students planning for careers in the diagnostic lab enroll in MLS 410, to fulfill the practical experience requirement of the clinical technologist license. Students are assigned to hospital, reference or public health labs for summer or semester-long internship experience in an area consistent with their interests. Students completing the academic program but not Professional Practice may serve as trainees in settings arranged by them following graduation.

Biotechnology BS/MA

Qualified seniors may apply to the BS/MA collaboration between MLS and the department of Biological Sciences. An intensive techniques workshop (BIOL 410) is taken prior to graduation and upon successful completion, students may continue with professional internship and the MA program, allowing MLS graduates to complete the degree at an accelerated pace.

Student Research

Qualified students are encouraged to participate in faculty research projects in such areas as cancer vaccine development, bacterial pathogenesis, gastric secretion and central nervous system myelination through independent study and honors courses. Several honors and awards are available to recognize excellent projects.

Academic Advising

MLS majors meet each semester with a faculty adviser to review progress and plan the next semester’s program. The adviser helps students pace their studies appropriately. Counseling for graduate school, employment and reference support is ongoing for our alumni, and a strong professional network exists among MLS alumni.

Admission Requirements

Completion of 60 credits before enrolling in MLS, including: 1 year general chemistry with lab (CHEM 10200, CHEM 10400, CHEM 10600, or equiv) 1 year general biology with lab (BIOL 10000, BIOL 10200, or equiv) and overall GPA of at least 2.5. Students enter the Medical Laboratory Sciences Program in fall and spring semesters. Advisers welcome e-mail inquiries anytime. To apply both current Hunter College students and transfer students must complete a Transfer Application with the CUNY University Application Processing Center. Visit http://www.hunter.cuny.edu/prospectivestudents/ug_students/transfer.shtml and select On-Line Application from the choices. Be sure to select “Medical Laboratory Sciences” at Hunter College as the choice of curriculum. Use CUNY curriculum code 0344 when applying. Admissions take place on a rolling basis so students should apply as early as possible. Admission deadlines for fall and spring semesters are February 1 and September 15, respectively. Students are encouraged to complete most of their General Education Requirement (GER) before entering the program, but liberal arts classes can be interspersed with major courses. (See Academic Programs and Policies section of this catalog.)
Requirements for Graduation in Medical Laboratory Sciences: (120 cr.)

Core Requirements

(59 credits, including MLS prerequisites):

Stage 1. Academic Requirements:

A 3 cr

B 3-4 cr

STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs 3 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

C 3 cr

Stage 2. Broad Exposure:

A 3 cr

B 6 cr

C 3 cr

D 3 cr

E 9 cr
BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

Stage 3. Focused Exposure:

A 3 cr
B 3 cr

Pluralism and Diversity:

Up to 12 credits. Students must complete groups A-D as described in the catalog. It is recommended that courses chosen simultaneously meet requirements of the Core.

Writing

Students must complete up to three courses in significant writing (W) designated courses.

Allied courses 19 cr

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. 
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II
GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**CHEM 22300 - Organic Chemistry Laboratory I**

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs2.5 cr.

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

or equivalents

Health Core (3 cr.)

One of the following:

**COMHE 33000 - Principles of Epidemiology**
Methods of study of disease; risk factors; distribution, causes, prevention, and control of selected diseases.

prereq: Acceptance to the major, or permission of the instructor.
3 hrs3 cr.

PHILO 25400 - Ethical Issues in Biology and Medical Care (W)

GER 3/B
Treats issues such as abortion, euthanasia, extraordinary means, confidentiality, human experimentation, genetic control and allocation of limited life-saving therapy.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

SOC 30100 - Medical Sociology

GER 3/B
Social and cultural factors related to health. Organization of health care services, social structure of the hospital.

prereq: SOC 10100
3 hrs3 cr.

MLS 40000 - Topics in Biomedical Sciences

Topics vary from semester to semester and are announced before registration.
1-3 hrs1-3 cr.

Specialization (39 cr.)

MLS 30000 - Fundamental Concepts and Techniques in the Medical Laboratory

Function of the medical laboratory, data analysis and operation of basic laboratory equipment. Approximately 1-2 informal laboratory hours are required to practice the use of equipment.

prereq: BIOL 10000, 10200, CHEM 10200, 10300, 10400, 10500 or equiv.
3 hrs (2 lec, 1 lab)3 cr.

MLS 31200 - Human Physiology: Integration and Control

Study of function at the cellular and systemic level, with emphasis on the integrated organism and associated control systems. Electronic resources are used extensively in this course.

prereq: BIOL 10000 and 10200, CHEM 10400, 10500 or equiv.
3 hrs3 cr.

MLS 34700 - Human Histology

Structure and function of normal human tissues and cells, including systematic study of microscopic morphology.

coreq: MLS 31200
5 hrs (2 lec, 3 lab)3 cr.

MLS 35100 - Clinical Miobiology I

Properties and mechanisms of pathogenesis of microorganisms associated with disease and the antimicrobial agents used to control them.
prereq or coreq: MLS 30000
5 hrs (2 lec, 3 lab)3 cr.

MLS 35200 - Clinical Miobiology II

Continuation of MLS 35100 with particular emphasis on anaerobic bacteria, fungi, and viruses. Diagnostic strategies using classical, serological and molecular techniques.
prereq: MLS 30000, 35100 or equiv.
5 hrs (2 lec, 3 lab)4

MLS 35400 - Clinical Biochemistry I: Biomolecules & Metabolism

Basic macromolecules of life, including amino acids, lipids, nucleic acids, and carbohydrates; membrane biochemistry and signal transduction; cellular metabolism and bioenergetics; clinical and biochemical laboratory methods.
prereq: CHEM 22200
5 hrs (2 lec, 3 lab)3.5 cr.

MLS 35500 - Clinical Biochemistry II: Genes to Proteins

Structure and function of nucleic acids and proteins and the genetic basis of human disease. Laboratory methodologies include analysis of proteins, including enzymes in clinical samples, and manipulation of microbial nucleic acids.
prereq: MLS 35400
5 hrs (2 lec, 3 lab)3.5 cr.

MLS 36100 - Computers and Data Processing in the Medical Laboratory

Study of computer integration in the medical and research lab, data compilation and medical information systems. Approximately 3 additional informal lab hours are required weekly.
prereq: MATH 15000 or STAT 11300
3 hrs (1 lec, 2 lab)3 cr.

MLS 45000 - Cell and Tissue Culture

Cell and tissue culture theory and techniques, including starting primary cultures, passing and preservation of cells, cell cycle and growth factor assays and monoclonal antibody techniques. Several informal hours are required each week in the lab in addition to the scheduled class.
prereq: MLS 35100coreq: MLS 34700, 35200
5 hrs (2 lec, 3 lab)4 cr.

MLS 45700 - Senior Seminar

Oral presentations and written exercises (including research proposal) introduce students to the use and proper citation of the biomedical literature, research design, effective scientific communication and regulatory oversight of science.
prereq: perm instr.
2 hrs3 cr.

MLS 46000 - Immunology

Cellular reactions in immunology, structure of antibodies and antigens, and laboratory determination of immune functions.
**prereq:** MLS 34900, 35100
**coreq:** MLS 35200, 35400
5 hrs (2 lec, 3 lab) 3 cr.

**Electives (7-8 cr)**

Recommended:

**MLS 40000 - Topics in Biomedical Sciences**

Topics vary from semester to semester and are announced before registration.

1-3 hrs 1-3 cr.

**MLS 41000 - Professional Practice**

Directed full-time experience in clinical, research, public health or other biomedical laboratories. Arranged on an individual basis.

**prereq:** perm director 8 wks
3 cr.

**MLS 43000 - Immunohematology**

Study of the immunologic properties of blood associated with blood group systems, donor screening, transfusion reactions and hemolytic disease and laboratory techniques used to characterize antigen-antibody reactions.

**prereq:** MLS 34900
3 hrs (2 lec, 1 lab) 3 cr.

**MLS 49000 - Honors**

**prereq:** perm director
hrs TBA 3 cr.

**BIOL 41000 - Workshop in Biotechnology**

GER 3/B
A series of laboratory-intensive experimental projects, each lasting one week or more, which introduce current research techniques and include individual participation in planning and preparation of experiments. The focus is on a broad biotechnology topic such as the isolation, cloning and expression of a gene, utilizing the techniques of molecular genetics.

*This course satisfies the research requirement for graduation with departmental honors and is a component of the interdisciplinary BS/MA (MLS/Biol) program in biotechnology.*

**prereq:** BIOL 20000, 20200, perm instr.
30 hrs/week for 4 weeks 4 cr.

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

**prereq:** prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.
CHEM 22500 - Organic Chemistry Laboratory II

GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
prereq or coreq: CHEM 22400
5 hrs 2.5 cr

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing.
Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs 3 cr.

General Education Requirement

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.

STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing.
Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.
prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs3 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

HIST 15100 - The United States from the Colonial Era to the Civil War (W)

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 15200 - The United States from the Civil War Era to the Present (W)

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

POLSC 11000 - American Government: A Historical Introduction (W)

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.
prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

ENGL 22000 - Introduction to Literature

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students’ understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.
prereq: ENGL 12000
3 hrs + conf3 cr.

• Social Sciences See adviser 6 cr.
• Humanities See adviser 3 cr.
• Visual and Performing Arts See adviser 3 cr.

BIOL 10000 - Principles of Biology I
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

fall only

- Humanities or Visual and Performing Arts See adviser 3 cr.
- Natural Science/Mathematics See adviser 3 cr.
- Pluralism and Diversity See adviser 12 cr.
- Writing - up to 3 courses in significant writing - “W” designated courses 9 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

*Primarily for pre-med, medical laboratory sciences and science majors.*

prereq or coreq: MATH 12500, 12600 or equiv.

5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

*Primarily for premed, medical laboratory sciences and science majors.*

prereq: CHEM 10200 or CHEM 10000 with perm chair

5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10500 - General Chemistry Laboratory II**

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.

*Offered for transfer students who have completed only one semester of General Chemistry Laboratory.*

prereq: One semester of General Chemistry Laboratory, prereq or coreq: CHEM 10400

4 hrs (3 lab, 1 rec) 1.5 cr.

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs 2.5 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

Total Credits 70

Note(s)

*required for NYS licensure

Curriculum

MLS 30000 - Fundamental Concepts and Techniques in the Medical Laboratory

Function of the medical laboratory, data analysis and operation of basic laboratory equipment. Approximately 1-2 informal laboratory hours are required to practice the use of equipment.
prereq: BIOL 10000, 10200, CHEM 10200, 10300, 10400, 10500 or equiv.
3 hrs (2 lec, 1 lab)3 cr.

MLS 31200 - Human Physiology: Integration and Control

Study of function at the cellular and systemic level, with emphasis on the integrated organism and associated control systems. Electronic resources are used extensively in this course.
prereq: BIOL 10000 and 10200, CHEM 10400, 10500 or equiv.
3 hrs 3 cr.

MLS 34700 - Human Histology

Structure and function of normal human tissues and cells, including systematic study of microscopic morphology.
coreq: MLS 31200
5 hrs (2 lec, 3 lab)3 cr.

MLS 34900 - Hematology
Study of normal and pathological conditions of blood. Use of current diagnostic techniques to analyze peripheral blood and bone marrow, differential counting and blood banking.

*Mandatory Courses*

**MLS 35100 - Clinical Microbiology I**

Properties and mechanisms of pathogenesis of microorganisms associated with disease and the antimicrobial agents used to control them.

*prereq or coreq: MLS 30000
5 hrs (2 lec, 3 lab)3 cr.*

**MLS 35200 - Clinical Microbiology II**

Continuation of MLS 35100 with particular emphasis on anaerobic bacteria, fungi, and viruses. Diagnostic strategies using classical, serological and molecular techniques.

*prereq: MLS 30000, 35100 or equiv.
5 hrs (2 lec, 3 lab)4 cr.*

**MLS 35400 - Clinical Biochemistry I: Biomolecules & Metabolism**

Basic macromolecules of life, including amino acids, lipids, nucleic acids, and carbohydrates; membrane biochemistry and signal transduction; cellular metabolism and bioenergetics; clinical and biochemical laboratory methods.

*prereq: CHEM 22200
5 hrs (2 lec, 3 lab)3.5 cr.*

**MLS 35500 - Clinical Biochemistry II: Genes to Proteins**

Structure and function of nucleic acids and proteins and the genetic basis of human disease. Laboratory methodologies include analysis of proteins, including enzymes in clinical samples, and manipulation of microbial nucleic acids.

*prereq: MLS 35400
5 hrs (2 lec, 3 lab)3.5 cr.*

**MLS 36100 - Computers and Data Processing in the Medical Laboratory**

Study of computer integration in the medical and research lab, data compilation and medical information systems. Approximately 3 additional informal lab hours are required weekly.

*prereq: MATH 15000 or STAT 11300
3 hrs (1 lec, 2 lab)3 cr.*

**MLS 45000 - Cell and Tissue Culture**

Cell and tissue culture theory and techniques, including starting primary cultures, passing and preservation of cells, cell cycle and growth factor assays and monoclonal antibody techniques. Several informal hours are required each week in the lab in addition to the scheduled class.

*prereq: MLS 35100 coreq: MLS 34700, 35200
5 hrs (2 lec, 3 lab)4 cr.*

**MLS 45700 - Senior Seminar**
Oral presentations and written exercises (including research proposal) introduce students to the use and proper citation of the biomedical literature, research design, effective scientific communication and regulatory oversight of science.

prereq: perm instr.
2 hrs 3 cr.

**MLS 46000 - Immunology**

Cellular reactions in immunology, structure of antibodies and antigens, and laboratory determination of immune functions.

prereq: MLS 34900, 35100 coreq: MLS 35200, 35400
5 hrs (2 lec, 3 lab) 3 cr.

**COMHE 33000 - Principles of Epidemiology**

Methods of study of disease; risk factors; distribution, causes, prevention, and control of selected diseases.

prereq: Acceptance to the major, or permission of the instructor.
3 hrs 3 cr.

**PHILO 25400 - Ethical Issues in Biology and Medical Care (W)**

GER 3/B
Treats issues such as abortion, euthanasia, extraordinary means, confidentiality, human experimentation, genetic control and allocation of limited life-saving therapy.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

**SOC 30100 - Medical Sociology**

GER 3/B
Social and cultural factors related to health. Organization of health care services, social structure of the hospital.

prereq: SOC 10100
3 hrs 3 cr.

**MLS 40000 - Topics in Biomedical Sciences**

Topics vary from semester to semester and are announced before registration.
1-3 hrs 1-3 cr.

**Electives**

recommended courses:

**MLS 40000 - Topics in Biomedical Sciences**

Topics vary from semester to semester and are announced before registration.
1-3 hrs 1-3 cr.

**MLS 41000 - Professional Practice**
Directed full-time experience in clinical, research, public health or other biomedical laboratories. Arranged on an individual basis.

**prereq:** perm director 8 wks
3 cr.

**MLS 49000 - Honors**

**prereq:** perm director
hrs TBA 3 cr.

**BIOL 41000 - Workshop in Biotechnology**

GER 3/B
A series of laboratory-intensive experimental projects, each lasting one week or more, which introduce current research techniques and include individual participation in planning and preparation of experiments. The focus is on a broad biotechnology topic such as the isolation, cloning and expression of a gene, utilizing the techniques of molecular genetics.

This course satisfies the research requirement for graduation with departmental honors and is a component of the interdisciplinary BS/MA (MLS/Biol) program in biotechnology.

**prereq:** BIOL 20000, 20200, perm instr.
30 hrs/week for 4 weeks 4 cr.

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

**prereq:** prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

**CHEM 22500 - Organic Chemistry Laboratory II**

GER 3/B
Continuation of CHEM 22300.

**prereq:** CHEM 22200, 22300
**prereq or coreq:** CHEM 22400
5 hrs 2.5 cr

**Total Credits 49-50**

**Nursing Accelerated 2nd Degree Pathway**

Return to Hunter-Bellevue School of Nursing

This bachelor of science degree is designed for students who already have a baccalaureate degree in another field and wish to transition into a career in nursing. The program is intensive; students may receive a bachelor of science degree in nursing in as little as 18 months provided they have met all general education requirements and met all prerequisite requirements. The amount of time required for 2nd degree students to complete the program depends on such factors as the number of applicable transfer credits they have and the number of courses they take each semester. The Accelerated
2nd Degree Pathway is a full-time, daytime program. Accelerated 2nd Degree Pathway students cannot earn the degree in the evening.

**Application Eligibility and Admission Criteria: Accelerated 2nd Degree Pathway**

In order to be considered for admission into the Accelerated 2nd Degree Pathway Program, applicants must meet eligibility requirements and admission criteria. All students applying to the upper division Accelerated 2nd Degree Nursing Pathway must have a baccalaureate degree from an accredited institution with a minimum cumulative GPA of 3.0 by June 1 preceding their entrance into the program for the fall semester. Students who do not meet GPA and degree requirements are not eligible to take the National League for Nursing Pre-admission-RN Examination (administered in February of the spring application semester-current fee $70) and are not eligible to apply for admission into the program.

Students complete all prerequisite courses (ENGL 12000, CHEM 10000 and CHEM 10100 (lab), CHEM 12000 and CHEM 12100 (lab), BIOL 12000 and BIOL 23000 including lab, PSYCH 10000 and PSYCH 15000, and STAT 11300) with a grade of “C” or better by the end of the fall semester preceding the spring application deadline. Students applying may take the last two prerequisite courses during the spring semester of the admission process. Prerequisite courses cannot be taken on a credit/no credit (CR/NC) basis. Students may not take prerequisite courses during the summer immediately preceding the fall entry into the program. Proof of successful completion of courses taken in the spring must be received by the School of Nursing by June 1; otherwise the student will be ineligible to register as a nursing major at Hunter College. Since decisions are made before the spring term is completed, applicants with grades pending will be conditionally accepted until receipt of final grades.

Acceptance of the student into the major is based on the following admission criteria: composite admission score (GPA plus score on NLN Pre-Admission-RN Examination) and completion of all admission requirements. The composite score of all students applying for admission at the same time will be ranked from the highest to the lowest. Students will be accepted for admission based on this ranked composite score and the completion of all other admission requirements. Additional admission requirements may be added, and students should check the latest version of admission requirements on the School of Nursing’s website (http://www.hunter.cuny.edu/nursing), or the fact sheets. Failure to meet all admission criteria will require reapplication for the following year, with no guarantee of acceptance. Students should download a current Accelerated 2nd Degree Pathway Fact Sheet, which details the admission process, from the Hunter-Bellevue School of Nursing website. The schedule of the NLN exam dates, times and locations as well as the current Accelerated 2nd Degree Pathway Fact Sheet may be obtained from the pre-health adviser at (212) 481-4773, Hunter College Student Services or the Hunter-Bellevue School of Nursing Web site, http://www.hunter.cuny.edu/nursing.

All accelerated students admitted to the program are required to submit evidence of liability insurance, health insurance, medical records with specified immunizations, and CPR certification prior to entering the first semester of the nursing major. In addition to tuition and fees, other academic year expenses for independent students include medical examination, health insurance, malpractice insurance ($100); uniforms, equipment and other miscellaneous expenses ($500); textbooks/supplies, transportation, housing, food and other personal expenses; NLN-Pre-Admission Exam-RN (current fee $70); and National Student Nurses Association annual dues ($20/year x 2yrs=$40).

**Lower Division (General Education Requirements)**

**Transfer Credits**

All students in the Accelerated Second-Degree Pathway program will receive up to 90 transfer credits from their previous BA/BS degree that will count towards the 120 credits needed to graduate to receive the Bachelor of Science degree in nursing.
Second Degree students from other colleges will have their transcripts evaluated upon admission by the Office of Admissions. Courses for which equivalency is granted need not be repeated.

Since most of the coursework will have been taken as part of the baccalaureate degree, the admissions office will evaluate the transcript and determine what still remains to be taken at the lower division.

Students entering Hunter with a BS/BA degree are required to complete the GER core, pluralism & diversity and one writing course.

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.

**STAT 11300 - Elementary Probability and Statistics**

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs 3 cr.

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War. Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present. Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

**POLSC 11000 - American Government: A Historical Introduction (W)**
GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

ENGL 22000 - Introduction to Literature

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students’ understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.

prereq: ENGL 12000
3 hrs + conf 3 cr.

*Or other Stage 2: Group A course

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

3 hrs 3 cr.

and

PSYCH 15000 - Human Development

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.

prereq: PSYC 10000
3 hrs 3 cr.

• GER 2/C: Humanities 3 cr. (e.g., PHILO 10100, CLA 10100, or other Humanities course)
• GER 2/D: Arts 3 cr. (ARTH 11100)
• GER 2/E: Natural Sciences:

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.

Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.

4 hrs (3 lec, 1 rec) 3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.

Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec)1.5 cr.
and

**CHEM 12000 - Essentials of Organic Chemistry Lecture**

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10000
4 hrs (3 lec, 1 rec)3 cr.

**CHEM 12100 - Essentials of Organic Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10100
prereq or coreq: CHEM 12000
4 hrs (3 lab, 1 rec)1.5 cr.

Allied Health Courses:

**BIOL 12000 - Anatomy and Physiology I**

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.
Not accepted for credit toward the biology major.
prereq: CHEM 10000, 10100
prereq or coreq: CHEM 12000, 12100
6 hrs (3 lec, 3 lab)4.5 cr.
fall only

**BIOL 12200 - Anatomy and Physiology II**

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.
Not accepted for credit toward the biology major.
prereq: BIOL 12000 or equiv.
6 (3 hrs lec, 3 hrs lab)4.5 cr.
spring only
  - GER 3/A: Humanities, Visual or Performing Arts 3 cr.

**BIOL 23000 - Fundamentals of Microbiology**

GER 3/B
Topics include scope, historical aspects, taxonomy, survey of the microbial world, viruses, infectious diseases, control of microorganisms and immunology. Required for admission to the nursing program.
Not accepted for credit toward the biology Major I.
prereq: CHEM 10000, 10100, 12000, 12100 or equiv; BIOL 12000
coreq: BIOL 12200
Total lower division credits 66

Upper Division Requirements (Major Requirements)

**NURS 20000 - Introduction to Nursing**

Introduction to essential theories, concepts, and values of the nursing profession. Emphasis on understanding the practice and principles of nursing. The principles of service-learning are introduced.

*prereq: completion of lower-division sequence*

3 hrs 3 cr.

offered fall

**NURS 31000 - Nursing I**

Provides essential knowledge base for implementing the nursing process in the care of clients across the lifespan, with specific emphasis on the childbearing family. Principles of service-learning are applied.

*prereq: NURS 20000

18 hrs (4 lec, 14 lab) 8 cr.

offered fall

**NURS 31200 - Nursing II**

Provides knowledge base for effective nursing care of clients from childhood through young adulthood. Community engagement learning experiences supporting the principles of service-learning are included.

*prereq: NURS 20000, 31000, 33100

18 hrs (4 lec, 14 lab) 8 cr.

offered spring

**NURS 33100 - Essentials of Pharmacology**

Presents essential pharmacological information for nursing care of clients of all ages.

*prereq: completion of lower-division sequence*

3 hrs 3 cr.

**NURS 33200 - Normal and Therapeutic Nutrition in the Nursing Process**

Presents principles of normal and therapeutic nutrition throughout the developmental life cycle.

*prereq: lower division sequence, NURS 20000, 31000

3 hrs 3 cr.

**NURS 34300 - Patterns of Biological Disruptions**
Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span. Strongly recommended for Generic Pathway seniors.

3 hrs 3 cr.

**NURS 38000 - Nursing Research and Theory**

Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000

**prereq:** for RN Pathway: NURS 37900, STAT 11300

3 hrs 3 cr.

**NURS 41000 - Nursing III**

Provides a knowledge base for effective nursing care of middle-aged clients. Concepts and principles of service-learning are discussed and integrated into a professional practice paradigm.

**prereq:** NURS 20000, 31000, 31200, 33100, 33200

18 hrs (4 lec, 14 lab) 8

offered fall

**NURS 41200 - Nursing IV**

Provides knowledge base for effective nursing care of elderly clients. Principles of service-learning are integrated into selected community experiences to promote civic engagement.

**prereq:** NURS 41000

18 hrs (4 lec, 14 lab) 8

offered spring

**NURS 42000 - Nursing Leadership and Management (A2DP)**

Open to Accelerated 2nd Degree students only. Study of principles of nursing management, leadership and roles in health care systems.

**prereq:** NURS 20000, 31000, 31200, 33100, 33200, 34300, 38000

**coreq:** NURS 41200

3 hrs 3 cr.

Total Upper Division credits 50

Total minimum credits required for degree: 120

**Repeating a Course**

*Note: Students who fail a core prerequisite course in a nursing sequence may not proceed to the next course in the sequence without repeating the failed course. In order to continue in the Nursing major, students must receive minimum grades of “C” in all required nursing courses. Students who receive a grade of “D” or lower, or who fail any segment of a clinical nursing course or lab will be allowed to repeat the course or segment only once. Students who fail a second required nursing course or clinical lab/segment will be dismissed from the nursing program. This policy applies even if a grade appeal is in progress. Students who fail the clinical portion of a course will receive an “F” for the entire course, regardless of the corresponding theory grade.*
Leave of Absence Policy and Reserved Placement in a Clinical Course

A reserved placement in a clinical/field course will be held for the student for only one year from the date of the leave of absence. The School of Nursing cannot guarantee the placement for any longer period of time. It is the responsibility of the student to submit to the undergraduate program director a letter of intent, one semester prior to returning to the program and enrolling in the course (April 1 for a fall course). Students who fail to follow this procedure release the School of Nursing from reserving a clinical/field placement in a course for the student.

Nursing Course Listing

Return to Hunter-Bellevue School of Nursing

Note: Students who fail a core prerequisite course in a nursing sequence may not proceed to the next course in the sequence without repeating the failed course. In order to continue in the Nursing major, students must receive minimum grades of "C" in all required nursing courses. Only one failed required nursing course is repeatable only once by students who have received a "D" or less. Students who fail a second required nursing course in the sequence may not repeat that course and may not continue in the major. This policy applies even though a grade appeal is in progress.

Generic Pathway Courses

Nursing Generic Pathway

**NURS 20000 - Introduction to Nursing**

Introduction to essential theories, concepts, and values of the nursing profession. Emphasis on understanding the practice and principles of nursing. The principles of service-learning are introduced.

*prereq: completion of lower-division sequence*  
3 hrs 3 cr.  
offered fall

**NURS 31000 - Nursing I**

Provides essential knowledge base for implementing the nursing process in the care of clients across the lifespan, with specific emphasis on the childbearing family. Principles of service-learning are applied.

*prereq: completion of lower-division sequence*  
*coreq: NURS 20000*  
18 hrs (4 lec, 14 lab) 8 cr.  
offered fall

**NURS 31200 - Nursing II**

Provides knowledge base for effective nursing care of clients from childhood through young adulthood. Community engagement learning experiences supporting the principles of service-learning are included.

*prereq: NURS 20000, 31000, 33100*  
18 hrs (4 lec, 14 lab) 8 cr.  
offered spring
NURS 33100 - Essentials of Pharmacology

Presents essential pharmacological information for nursing care of clients of all ages.

*prereq: completion of lower-division sequence
3 hrs 3 cr.

NURS 33200 - Normal and Therapeutic Nutrition in the Nursing Process

Presents principles of normal and therapeutic nutrition throughout the developmental life cycle.

*prereq: lower division sequence, NURS 20000, 31000
3 hrs 3 cr.

NURS 38000 - Nursing Research and Theory

Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000

*prereq: for RN Pathway: NURS 37900, STAT 11300
3 hrs 3 cr.

NURS 41000 - Nursing III

Provides a knowledge base for effective nursing care of middle-aged clients. Concepts and principles of service-learning are discussed and integrated into a professional practice paradigm.

*prereq: NURS 20000, 31000, 31200, 33100, 33200
18 hrs (4 lec, 14 lab) 8
offered fall

NURS 41200 - Nursing IV

Provides knowledge base for effective nursing care of elderly clients. Principles of service-learning are integrated into selected community experiences to promote civic engagement.

*prereq: NURS 41000
18 hrs (4 lec, 14 lab) 8
offered spring

NURS 41900 - Nursing Management and Leadership in the Health Care System

Study of principles of nursing management, leadership, and research processes in health care system.

*prereq: NURS 20000, 31000, 31200, 33100, 33200
2 hrs 2
offered spring

NURS 42100 - Nursing and Society

Analysis of issues and trends in nursing and health care from societal perspective, including opportunities for collaborative practice through service-learning.

*prereq: NURS 20000, 31000, 31200, 33100, 33200, 41000, 41900
2 hrs 2
offered spring

Accelerated Second Degree Pathway Courses
Nursing Accelerated 2nd Degree Pathway

**NURS 20000 - Introduction to Nursing**

Introduction to essential theories, concepts, and values of the nursing profession. Emphasis on understanding the practice and principles of nursing. The principles of service-learning are introduced.

*prereq: completion of lower-division sequence*

3 hrs 3 cr.

-offered fall-

**NURS 31000 - Nursing I**

Provides essential knowledge base for implementing the nursing process in the care of clients across the lifespan, with specific emphasis on the childbearing family. Principles of service-learning are applied.

*prereq: completion of lower-division sequence coreq: NURS 20000*

18 hrs (4 lec, 14 lab) 8 cr.

-offered fall-

**NURS 31200 - Nursing II**

Provides knowledge base for effective nursing care of clients from childhood through young adulthood. Community engagement learning experiences supporting the principles of service-learning are included.

*prereq: NURS 20000, 31000, 33100*

18 hrs (4 lec, 14 lab) 8 cr.

-offered spring-

**NURS 33100 - Essentials of Pharmacology**

Presents essential pharmacological information for nursing care of clients of all ages.

*prereq: completion of lower-division sequence*

3 hrs 3 cr.

**NURS 33200 - Normal and Therapeutic Nutrition in the Nursing Process**

Presents principles of normal and therapeutic nutrition throughout the developmental life cycle.

*prereq: lower division sequence, NURS 20000, 31000*

3 hrs 3 cr.

**NURS 34300 - Patterns of Biological Disruptions**

Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span. Strongly recommended for Generic Pathway seniors.

3 hrs 3 cr.

**NURS 38000 - Nursing Research and Theory**

Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000

*prereq: for RN Pathway: NURS 37900, STAT 11300*

3 hrs 3 cr.
NURS 41000 - Nursing III

Provides a knowledge base for effective nursing care of middle-aged clients. Concepts and principles of service-learning are discussed and integrated into a professional practice paradigm.

prereq: NURS 20000, 31000, 31200, 33100, 33200
18 hrs (4 lec, 14 lab)8
offered fall

NURS 41200 - Nursing IV

Provides knowledge base for effective nursing care of elderly clients. Principles of service-learning are integrated into selected community experiences to promote civic engagement.

prereq: NURS 41000
18 hrs (4 lec, 14 lab)8
offered spring

NURS 42000 - Nursing Leadership and Management (A2DP)

Open to Accelerated 2nd Degree students only. Study of principles of nursing management, leadership and roles in health care systems.

prereq: NURS 20000, 31000, 31200, 33100, 33200, 34300, 38000
coreq: NURS 41200
3 hrs 3 cr.

RN Pathway Courses

Nursing RN Pathway

NURS 37900 - Nursing and Societal Forces in the Health Care Delivery System

Open to RN Pathway students only. This is the first course in the RN Pathway curriculum and must be taken prior to or in conjunction with other required nursing courses depending on the pre/co requisites of the courses. Exploration of health care dilemmas through the integration of knowledge from nursing, social sciences and public health. Principles of service-learning are introduced.

3 hrs 3 cr.

NURS 38000 - Nursing Research and Theory

Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000

prereq: for RN Pathway: NURS 37900, STAT 11300
3 hrs 3 cr.

NURS 38100 - Health Assessment Throughout the Lifespan

Open to RN Pathway students only. Analysis of normal patterns of wellness for individual clients with emphasis on development of assessment skills.

prereq: CHEM 100-101prereq or coreq: NURS 379
6 hrs (3 lec, 3 lab)4.5 cr.
NURS 38400 - Nursing Culturally Diverse Families

PD/B
Open to RN Pathway students only. Explores the interrelationships between sociocultural factors and health care practices of families from diverse cultures as a basis for nursing practice. Principles of service-learning are reflected in the culturally competent interventions.
3 hrs 3 cr.

NURS 48000 - Promotion of Wellness in the Community

Open to RN Pathway students only. Examination of family and community patterns as they relate to individual clients of all ages. Principles of service-learning are used in community-based clinical experiences to promote civic engagement.
prereq: NURS 37900, 38100, 38400
7.5 hrs (3 lec, 4.5 practicum) 4.5 cr.

NURS 48200 - Advancement of Roles and Relationships in Professional Nursing

Open to RN Pathway students only. Explores the roles and relationships in nursing with a focus on leadership as the key to the professionalism of nursing. Principles of service-learning are reflected in the ongoing development of the professional role. This is the last course in the RN Pathway Program.
prereq: NURS 37900  
prereq or coreq: NURS 38000, 38100, 38400, 48000
3 hrs 3 cr.

Nursing Electives

NURS 34000 - Women's Health

PD/C
Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.
3 hrs 3 cr.

NURS 34200 - Ethical Issues in Nursing Practice

Open to RN Pathway and senior Generic Pathway students only. Examines ethical issues which arise from the practice of nursing in an interpersonal, professional, institutional and social context of diverse and competing values.
3 hrs 3 cr.

NURS 34300 - Patterns of Biological Disruptions

Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span. Strongly recommended for Generic Pathway seniors.
3 hrs 3 cr.

NURS 34500 - HIV/AIDS: An Interdisciplinary Perspective for Health Care Providers
Examines the impact of the HIV epidemic on the biological, psychological and social dimensions of persons affected by HIV/AIDS.
3 hrs3 cr.

**NURS 34600 - Death and Dying**

P/D B
Provides an overview of current theories, concepts, and practices associated with death, dying and end-of-life care.
3 hrs3 cr.

**NURS 35000 - Independent Study in Nursing**

An opportunity to explore a topic relevant to nursing which is of individual interest.
1-3 hrs1-3 cr.

**NURS 35100 - Gender, Science and Technology**

PD/C
Explores the complex relationship between women and the sciences.
*cross-listed* WGS 35100
3 hrs3 cr.

**NURS 37900 - Nursing and Societal Forces in the Health Care Delivery System**

Open to RN Pathway students only. This is the first course in the RN Pathway curriculum and must be taken prior to or in conjunction with other required nursing courses depending on the pre/co requisites of the courses. Exploration of health care dilemmas through the integration of knowledge from nursing, social sciences and public health. Principles of service-learning are introduced.
3 hrs3 cr.

**NURS 39998 - Urban Disaster Response and the Health Care Team**

Provides the student with an understanding of the causes, prevention, and mitigation of disasters and insight into the disaster management system nationally and locally. The course will include content relevant to all disciplines in the disaster care continuum and focus on each individual health care member's role and responsibilities within these systems.
3 hrs3 cr.

**NURS 44000 - Stress Management for Nurses**

An overview of stress and its effect upon behavior within the framework of the holistic man-wellness model.
3 hrs3 cr.

**NURS 44100 - Selected Studies in Nursing Research**

Honors course. Utilization of basic knowledge in nursing research to critique and interpret studies and discuss their relevance and application in nursing.
*prereq: NURS 31000, 31200, 33100, 33200, 38000, 38100*
3 hrs3 cr.
NURS 44200 - Nursing Care of Acute and Critically Ill Clients

Examination of nursing knowledge and roles in caring for acute and critically ill clients and their families.

3 hrs 3 cr.

NURS 44500 - Teaching-Learning Across the Developmental and Health Continua

Pedagogical/andrological principles of learning and instruction to enhance client teaching in the promotion, maintenance and/or restoration of health.

3 hrs 3 cr.

NURS 45000 - Computer Concepts and Application in Nursing

Study of computing concepts, principles, practices, and applications in nursing and health care.

3 hrs 3 cr.

NURS 48300 - Politics of Health

An analysis of the relationships between politics and health status, health services and health care providers.

3 hrs 3 cr.

Leave of Absence Policy and Reserved Placement in a Clinical Course

A reserved placement in a clinical/field course will be held for the student for only one year from the date of the leave of absence. The School of Nursing cannot guarantee the placement for any longer period of time. It is the responsibility of the student to submit to the undergraduate program director a letter of intent, one semester prior to returning to the program and enrolling in the course (April 1 for a fall course). Students who fail to follow this procedure release the School of Nursing from reserving a clinical/field placement in a course for the student.

Nursing Generic Pathway

Return to Hunter-Bellevue School of Nursing

Application Eligibility and Admission Criteria: Generic Pathway

Note: Students with a baccalaureate degree in another field may be interested in our Nursing Accelerated 2nd Degree Pathway.

The program is designed to be completed in four academic years by students who are admitted with no college credit and who attend full-time. How long it takes transfer students to complete the program depends on such factors as the number of applicable transfer credits they have and the number of courses they take each semester. Generic Pathway students cannot earn the degree in the evening. Part-time attendance may result in the student’s losing the pace of the upper division sequence and having to wait a year for a required course. The Generic Pathway is a full-time, daytime program.
In order to be considered for admission into the Generic Pathway Program, applicants must meet eligibility requirements and admission criteria. All students applying to the upper division Generic Nursing Pathway must have a college GPA of 3.0 or above by the end of the fall semester preceding spring application. Students who do not meet this GPA requirement are not eligible to take the National League for Nursing Pre-admission-RN Examination (administered in February of the spring application semester - current fee $70) and are not eligible to apply for admission to the nursing major.

Students must complete 60 credits prior to beginning upper division nursing courses. All applicants must complete all prerequisite courses (ENGL 12000, CHEM 10000 and CHEM 10100 (lab), CHEM 12000 and CHEM 12100 (lab), BIOL 12000 and (lab), BIOL 23000 including lab, PSYCH 10000 and PSYCH 15000, and STAT 11300 ) with a grade of “C” or better by the end of the fall semester preceding the spring application deadline. Students applying may take the last two prerequisite courses during the spring semester of the admission process. Prerequisite courses cannot be taken on a credit/no credit (CR/NC) basis. Proof of successful completion of courses taken in the spring must be received by the School of Nursing by June 1; otherwise the student will be ineligible to register as a nursing major at Hunter College. Since decisions are made before the spring term is completed, applicants with grades pending will be conditionally accepted until receipt of final grades.

Acceptance of the student into the major is based on the following admission criteria: composite admission score (GPA plus score on NLN Pre-Admission-RN Examination) and completion of all admission requirements. The composite score of all students applying for admission at the same time will be rank ordered from the highest to the lowest. Students will be accepted for admission based on this ranked composite score and the completion of all other admission requirements. Additional admission requirements may be added, and students should check the latest version of admission requirements on the School of Nursing’s website www.hunter.cuny.edu/nursing or the fact sheets. Failure to meet all admission criteria will require reapplication for the following year, with no guarantee of acceptance. Students should download a current Generic Pathway Fact Sheet, which details the admission process, from the School of Nursing website. The schedule of the NLN exam dates, times and locations as well as the current Generic Pathway Fact Sheet may be obtained from the pre-health adviser at (212) 481-4773, Hunter College Student Services or the Hunter-Bellevue School of Nursing Web site, http://www.hunter.cuny.edu/nursing.

All generic students admitted to the program are required to submit evidence of liability insurance, health insurance, medical records with specified immunizations, and CPR certification prior to entering the first semester of the nursing major. In addition to tuition and fees, other academic year expenses for independent students include medical examination, health insurance, malpractice insurance ($100); uniforms, equipment and other miscellaneous expenses ($500); textbooks/supplies, transportation, housing, food and other personal expenses; NLN-Pre-Admission Exam-RN (current fee $70); and National Student Nurses Association annual dues ($20/year x 2yrs=$40).

Lower Division (General Education Requirements)

Students entering Hunter with an AA, AS/BA, BS degree are required to complete GER Core, Pluralism and Diversity, and one writing intensive course. Transfer students will have their transcripts evaluated upon admission by the admissions office. Courses for which equivalency is granted need not be repeated. Some courses already taken may be used to satisfy GER Core requirements.

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf3 cr.

STAT 11300 - Elementary Probability and Statistics
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

*prereq: MATH 10100 or appropriate score on placement exam
*prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 15100 - The United States from the Colonial Era to the Civil War (W)

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.

*Courses at the 300-level and above not offered to freshmen.

*prereq or coreq: ENGL 12000
3 hrs 3 cr.

or

HIST 15200 - The United States from the Civil War Era to the Present (W)

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.

*Courses at the 300-level and above not offered to freshmen.

*prereq or coreq: ENGL 12000
3 hrs 3 cr.

or

POLSC 11000 - American Government: A Historical Introduction (W)

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

*prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

ENGL 22000 - Introduction to Literature

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students' understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.

*prereq: ENGL 12000
3 hrs + conf 3 cr.

*Or other Stage 2: Group A course

PSYCH 10000 - Introduction to Psychology
GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs 3 cr.

and

PSYCH 15000 - Human Development

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.
prereq: PSYC 10000
3 hrs 3 cr.

- Humanities 3 cr. (e.g., PHILO 10100, CLA 10100, or other Humanities course)
- Arts 3 cr. (e.g., ARTH 11100)

GER 2/E: Natural Sciences Courses:

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.
Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
4 hrs (3 lec, 1 rec) 3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec) 1.5 cr.

CHEM 12000 - Essentials of Organic Chemistry Lecture

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10000
4 hrs (3 lec, 1 rec) 3 cr.

CHEM 12100 - Essentials of Organic Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food
Allied Health Courses:

**BIOL 12000 - Anatomy and Physiology I**

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.

*Not accepted for credit toward the biology major.*

**prereq:** CHEM 10000, 10100

**coreq:** CHEM 12000, 12100

4 hrs (3 lab, 1 rec)

1.5 cr.

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**BIOL 12200 - Anatomy and Physiology II**

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.

*Not accepted for credit toward the biology major.*

**prereq:** BIOL 12000 or equiv.

6 (3 hrs lec, 3 hrs lab)

4.5 cr.

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**BIOL 23000 - Fundamentals of Microbiology**

**GER 3/B**

Topics include scope, historical aspects, taxonomy, survey of the microbial world, viruses, infectious diseases, control of microorganisms and immunology. Required for admission to the nursing program.

*Not accepted for credit toward the biology Major I.*

**prereq:** CHEM 10000, 10100, 12000, 12100 or equiv; BIOL 12200

**coreq:** BIOL 12000

5 hrs (2 lec, 3 lab)

3 cr.

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**Total lower division credits 66**

Upper Division Curriculum

**NURS 20000 - Introduction to Nursing**

Introduction to essential theories, concepts, and values of the nursing profession. Emphasis on understanding the practice and principles of nursing. The principles of service-learning are introduced.

**prereq:** completion of lower-division sequence

3 hrs

3 cr.

**offered fall**

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**NURS 31000 - Nursing I**
Provides essential knowledge base for implementing the nursing process in the care of clients across the lifespan, with specific emphasis on the childbearing family. Principles of service-learning are applied.

**NURS 33100 - Essentials of Pharmacology**

Presents essential pharmacological information for nursing care of clients of all ages.

**NURS 31200 - Nursing II**

Provides knowledge base for effective nursing care of clients from childhood through young adulthood. Community engagement learning experiences supporting the principles of service-learning are included.

**NURS 33200 - Normal and Therapeutic Nutrition in the Nursing Process**

Presents principles of normal and therapeutic nutrition throughout the developmental life cycle.

**NURS 38000 - Nursing Research and Theory**

Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000

**NURS 41000 - Nursing III**

Provides a knowledge base for effective nursing care of middle-aged clients. Concepts and principles of service-learning are discussed and integrated into a professional practice paradigm.

**NURS 41200 - Nursing IV**

Provides knowledge base for effective nursing care of elderly clients. Principles of service-learning are integrated into selected community experiences to promote civic engagement.

**NURS 41900 - Nursing Management and Leadership in the Health Care System**
Study of principles of nursing management, leadership, and research processes in health care system.

**Prerequisites:**
NURS 20000, 31000, 31200, 33100, 33200

2 hrs

**Offered spring**

**NURS 42100 - Nursing and Society**

Analysis of issues and trends in nursing and health care from societal perspective, including opportunities for collaborative practice through service-learning.

**Prerequisites:**
NURS 20000, 31000, 31200, 33100, 33200, 41000, 41900

2 hrs

**Offered spring**

**Hunter nursing electives (6 cr.)**

Six credits from the following courses:

**NURS 34000 - Women's Health**

PD/C
Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.

3 hrs

**NURS 34200 - Ethical Issues in Nursing Practice**

Open to RN Pathway and senior Generic Pathway students only. Examines ethical issues which arise from the practice of nursing in an interpersonal, professional, institutional and social context of diverse and competing values.

3 hrs

**NURS 34300 - Patterns of Biological Disruptions**

Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span. Strongly recommended for Generic Pathway seniors.

3 hrs

**NURS 34500 - HIV/AIDS: An Interdisciplinary Perspective for Health Care Providers**

Examines the impact of the HIV epidemic on the biological, psychological and social dimensions of persons affected by HIV/AIDS.

3 hrs

**NURS 34600 - Death and Dying**

P/D B
Provides an overview of current theories, concepts, and practices associated with death, dying and end-of-life care.

3 hrs
NURS 35000 - Independent Study in Nursing

An opportunity to explore a topic relevant to nursing which is of individual interest.
1-3 hrs 1-3 cr.

NURS 35100 - Gender, Science and Technology

PD/C
Explores the complex relationship between women and the sciences.
cross-listed WGS 35100
3 hrs 3 cr.

NURS 37900 - Nursing and Societal Forces in the Health Care Delivery System

Open to RN Pathway students only. This is the first course in the RN Pathway curriculum and must be taken prior to or in conjunction with other required nursing courses depending on the pre/co requisites of the courses. Exploration of health care dilemmas through the integration of knowledge from nursing, social sciences and public health. Principles of service-learning are introduced.
3 hrs 3 cr.

NURS 39998 - Urban Disaster Response and the Health Care Team

Provides the student with an understanding of the causes, prevention, and mitigation of disasters and insight into the disaster management system nationally and locally. The course will include content relevant to all disciplines in the disaster care continuum and focus on each individual health care member's role and responsibilities within these systems.
3 hrs 3 cr.

NURS 44000 - Stress Management for Nurses

An overview of stress and its effect upon behavior within the framework of the holistic man-wellness model.
3 hrs 3 cr.

NURS 44100 - Selected Studies in Nursing Research

Honors course. Utilization of basic knowledge in nursing research to critique and interpret studies and discuss their relevance and application in nursing.
prereq: NURS 31000, 31200, 33100, 33200, 38000, 38100
3 hrs 3 cr.

NURS 44200 - Nursing Care of Acute and Critically Ill Clients

Examination of nursing knowledge and roles in caring for acute and critically ill clients and their families.
3 hrs 3 cr.

NURS 44500 - Teaching-Learning Across the Developmental and Health Continua

Pedagogical/andrological principles of learning and instruction to enhance client teaching in the promotion, maintenance and/or restoration of health.
3 hrs 3 cr.
NURS 45000 - Computer Concepts and Application in Nursing

Study of computing concepts, principles, practices, and applications in nursing and health care.
3 hrs 3 cr.

NURS 48300 - Politics of Health

An analysis of the relationships between politics and health status, health services and health care providers.
3 hrs 3 cr.

Total upper division credits 54

Total for degree 120

Repeating a Course

Note: Students who fail a core prerequisite course in a nursing sequence may not proceed to the next course in the sequence without repeating the failed course. In order to continue in the Nursing major, students must receive minimum grades of “C” in all required nursing courses. Students who receive a grade of “D” or lower, or who fail any segment of a clinical nursing course or lab will be allowed to repeat the course or segment only once. Students who fail a second required nursing course or clinical lab/segment will be dismissed from the nursing program. This policy applies even if a grade appeal is in progress. Students who fail the clinical portion of a course will receive an “F” for the entire course, regardless of the corresponding theory grade.

Leave of Absence Policy and Reserved Placement in a Clinical Course

A reserved placement in a clinical/field course will be held for the student for only one year from the date of the leave of absence. The School of Nursing cannot guarantee the placement for any longer period of time. It is the responsibility of the student to submit to the undergraduate program director a letter of intent, one semester prior to returning to the program and enrolling in the course (April 1 for a fall course). Students who fail to follow this procedure release the School of Nursing from reserving a clinical/field placement in a course for the student.

Nursing RN Pathway

Return to Hunter-Bellevue School of Nursing

Admission Criteria: RN Pathway Program

The program is designed to meet the special needs of the experienced RN student who has already completed a two- or three-year nursing program. All RN Pathway students admitted to the program are required to submit evidence of NYS RN licensure and current registration, liability insurance, health insurance, medical records with specified immunizations and CPR certification prior to entering the first semester of the nursing major.

Students awaiting their State Board licensing examination scores who have not yet been awarded the Registered Professional Nurse License are admitted conditionally. Proof of receipt of the RN license must be submitted to the
Hunter-Bellevue School of Nursing by December 1 for students admitted in the fall. Students unable to document receiving the license will not be permitted to continue in the nursing major. Applicants to the RN Pathway Program must have completed 36 credits of liberal arts and sciences (including credits in progress) at an accredited college, plus the equivalent of 24 credits in nursing.

A maximum of 24 credits may be transferred for credit in the nursing curriculum upper division. CUNY, SUNY and other accredited colleges' transfer RN students will be granted 24 nursing credits for advanced placement.

Students should download a current RN Pathway Fact Sheet, which details the admission process, from the Hunter-Bellevue School of Nursing website at http://www.hunter.cuny.edu/nursing.

**Lower Division (General Education Requirements)**

Students entering Hunter with an AAS degree are required to complete Core, Pluralism and Diversity, and one writing course. Transfer students will have their transcripts evaluated upon admission by the admissions office. Courses for which equivalency is granted need not be repeated. Some courses already taken may be used to satisfy Core requirements.

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

*prereq: successful completion of developmental courses, if required*

3 hrs + conf 3 cr.

**STAT 11300 - Elementary Probability and Statistics**

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

*prereq: MATH 10100 or appropriate score on placement exam*

*prereq or coreq: ENGL 12000*

3 hrs 3 cr.

or

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.

*Courses at the 300-level and above not offered to freshmen.*

*prereq or coreq: ENGL 12000*

3 hrs 3 cr.

or

**POLSC 11000 - American Government: A Historical Introduction (W)**
GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.
preq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

ENGL 22000 - Introduction to Literature

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students’ understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.
preq: ENGL 12000
3 hrs + conf3 cr.

or other Stage 2: Group A course

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs3 cr.

and

PSYCH 15000 - Human Development

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.
preq: PSYC 10000
3 hrs3 cr.

- GER 2/C: Humanities 3 cr. (e.g., PHILO 10100, CLA 10100, or other Humanities course)
- GER 2/D: Arts 3 cr. (e.g., ARTH 11100)
- 2/E: Natural Sciences*

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.
Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
4 hrs (3 lec, 1 rec)3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec)1.5 cr.
*Plus an additional 12.5 cr. in other science or math courses
  • GER 3/A: Humanities, Visual or Performing Arts 3 cr.
  • GER 3/B: Social Science or Natural Science/Mathematics course 3 cr.
  • Pluralism and Diversity 12 cr. (P/D Groups A-D)
  • Additional courses will be required to meet the 120 credits needed for graduation. See your advisor. 22.5 cr.

Total lower division credits: 66

Upper Division (Major Requirements)

Students partially fulfill the major requirements with 24 credits of nursing, awarded through Regents College Exams or by having a CUNY or other regionally accredited associate degree in nursing. The remaining major courses and nine credits of electives are completed at Hunter:

**NURS 37900 - Nursing and Societal Forces in the Health Care Delivery System**

Open to RN Pathway students only. This is the first course in the RN Pathway curriculum and must be taken prior to or in conjunction with other required nursing courses depending on the pre/co requisites of the courses. Exploration of health care dilemmas through the integration of knowledge from nursing, social sciences and public health. Principles of service-learning are introduced.

3 hrs 3 cr.

**NURS 38400 - Nursing Culturally Diverse Families**

PD/B
Open to RN Pathway students only. Explores the interrelationships between sociocultural factors and health care practices of families from diverse cultures as a basis for nursing practice. Principles of service-learning are reflected in the culturally competent interventions.

3 hrs 3 cr.

**Meets Pluralism and Diversity Requirement/Group B. Only open to nursing majors.**

**NURS 38100 - Health Assessment Throughout the Lifespan**

Open to RN Pathway students only. Analysis of normal patterns of wellness for individual clients with emphasis on development of assessment skills.

prereq: CHEM 100-101 or coreq: NURS 379
6 hrs (3 lec, 3 lab)4.5 cr.

**NURS 38000 - Nursing Research and Theory**

Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000

prereq: for RN Pathway: NURS 37900, STAT 11300
3 hrs 3 cr.

**NURS 48000 - Promotion of Wellness in the Community**
Open to RN Pathway students only. Examination of family and community patterns as they relate to individual clients of all ages. Principles of service-learning are used in community-based clinical experiences to promote civic engagement.

prereq: NURS 37900, 38100, 38400
7.5 hrs (3 lec, 4.5 practicum) 4.5 cr.

**NURS 48200 - Advancement of Roles and Relationships in Professional Nursing**

Open to RN Pathway students only. Explores the roles and relationships in nursing with a focus on leadership as the key to the professionalism of nursing. Principles of service-learning are reflected in the ongoing development of the professional role. This is the last course in the RN Pathway Program.

prereq: NURS 37900
prereq or coreq: NURS 38000, 38100, 38400, 48000
3 hrs 3 cr.

Hunter nursing electives (9 cr.)

Nine credits from the following courses:

**NURS 34000 - Women's Health**

PD/C

Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.

3 hrs 3 cr.

**NURS 34200 - Ethical Issues in Nursing Practice**

Open to RN Pathway and senior Generic Pathway students only. Examines ethical issues which arise from the practice of nursing in an interpersonal, professional, institutional and social context of diverse and competing values.

3 hrs 3 cr.

**NURS 34300 - Patterns of Biological Disruptions**

Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span. Strongly recommended for Generic Pathway seniors.

3 hrs 3 cr.

**NURS 34500 - HIV/AIDS: An Interdisciplinary Perspective for Health Care Providers**

Examines the impact of the HIV epidemic on the biological, psychological and social dimensions of persons affected by HIV/AIDS.

3 hrs 3 cr.

**NURS 34600 - Death and Dying**

P/D B

Provides an overview of current theories, concepts, and practices associated with death, dying and end-of-life care.

3 hrs 3 cr.
NURS 35000 - Independent Study in Nursing

An opportunity to explore a topic relevant to nursing which is of individual interest.
1-3 hrs 1-3 cr.

NURS 35100 - Gender, Science and Technology

PD/C
Explores the complex relationship between women and the sciences.
cross-listed WGS 35100
3 hrs 3 cr.

NURS 37900 - Nursing and Societal Forces in the Health Care Delivery System

Open to RN Pathway students only. This is the first course in the RN Pathway curriculum and must be taken prior to or in conjunction with other required nursing courses depending on the pre/co requisites of the courses. Exploration of health care dilemmas through the integration of knowledge from nursing, social sciences and public health. Principles of service-learning are introduced.
3 hrs 3 cr.

NURS 39998 - Urban Disaster Response and the Health Care Team

Provides the student with an understanding of the causes, prevention, and mitigation of disasters and insight into the disaster management system nationally and locally. The course will include content relevant to all disciplines in the disaster care continuum and focus on each individual health care member's role and responsibilities within these systems.
3 hrs 3 cr.

NURS 44000 - Stress Management for Nurses

An overview of stress and its effect upon behavior within the framework of the holistic man-wellness model.
3 hrs 3 cr.

NURS 44100 - Selected Studies in Nursing Research

Honors course. Utilization of basic knowledge in nursing research to critique and interpret studies and discuss their relevance and application in nursing.
prereq: NURS 31000, 31200, 33100, 33200, 38000, 38100
3 hrs 3 cr.

NURS 44200 - Nursing Care of Acute and Critically Ill Clients

Examination of nursing knowledge and roles in caring for acute and critically ill clients and their families.
3 hrs 3 cr.

NURS 44500 - Teaching-Learning Across the Developmental and Health Continua

Pedagogical/androgogical principles of learning and instruction to enhance client teaching in the promotion, maintenance and/or restoration of health.
3 hrs 3 cr.
NURS 45000 - Computer Concepts and Application in Nursing

Study of computing concepts, principles, practices, and applications in nursing and health care.
3 hrs 3 cr.

NURS 48300 - Politics of Health

An analysis of the relationships between politics and health status, health services and health care providers.
3 hrs 3 cr.

The following nursing courses meet pluralism and diversity:

All courses used to satisfy Pluralism and Diversity requirements may simultaneously meet a student’s core requirements or the courses necessary for a major or minor area of study.

Group B

NURS 38400 - Nursing Culturally Diverse Families

PD/B
Open to RN Pathway students only. Explores the interrelationships between sociocultural factors and health care practices of families from diverse cultures as a basis for nursing practice. Principles of service-learning are reflected in the culturally competent interventions.
3 hrs 3 cr.

Group C

NURS 34000 - Women’s Health

PD/C
Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.
3 hrs 3 cr.

NURS 35100 - Gender, Science and Technology

PD/C
Explores the complex relationship between women and the sciences.
cross-listed WGS 35100
3 hrs 3 cr.

WGS 35100 - Gender, Science, and Technology

PD/C
Explores the complex relationship among gender, science, and technology.
cross-listed (Cross-listed with NURS 35100.)
prereq: ENGL 12000, at least one science course at the 100 level
3 hrs 3 cr.
Total upper division credits: 54

Total minimum credits required for degree: 120

Repeating a Course

*Note: Students who fail a core prerequisite course in a nursing sequence may not proceed to the next course in the sequence without repeating the failed course. In order to continue in the Nursing major, students must receive minimum grades of “C” in all required nursing courses. Students who receive a grade of “D” or lower, or who fail any segment of a clinical nursing course or lab will be allowed to repeat the course or segment only once. Students who fail a second required nursing course or clinical lab/segment will be dismissed from the nursing program. This policy applies even if a grade appeal is in progress. Students who fail the clinical portion of a course will receive an “F” for the entire course, regardless of the corresponding theory grade.*

Leave of Absence Policy and Reserved Placement in a Clinical Course

*A reserved placement in a clinical/field course will be held for the student for only one year from the date of the leave of absence. The School of Nursing cannot guarantee the placement for any longer period of time. It is the responsibility of the student to submit to the undergraduate program director a letter of intent, one semester prior to returning to the program and enrolling in the course (April 1 for a fall course). Students who fail to follow this procedure release the School of Nursing from reserving a clinical/field placement in a course for the student.*

Nutrition and Food Science - BS

CUNY School of Public Health at Hunter College

Nutrition and Food Science

Program Coordinator:

Arlene Spark
Brookdale 1000A West
(212)481-7590
E-mail: aspark@hunter.cuny.edu
Web site: http://www.hunter.cuny.edu/schoolhp/nfs/index.htm

The Nutrition and Food Science (NFS) major at Hunter College is a diverse science-based program where students learn about food and its effect on our health. It offers a comprehensive study of the fundamental principles of food preparation and safety, nutrition, food service management, and community nutrition education. This is accomplished through the application of a variety of sciences. Students who like physical and biological sciences, are interested in good health, enjoy working with people, and are concerned about the nutritional well-being of people and communities will find interesting and challenging career opportunities within health care fields or in the food industry. The NFS major at Hunter develops these interests and prepares students for challenging opportunities after graduation.

This major is designed for students who plan to enter the workforce directly out of college. The BS in NFS may be a terminal degree, or NFS graduates may elect to continue on for additional education. Students in the NFS major will take courses in nutrition, food science, food service management, research methods, community nutrition education, and epidemiology.
Along with providing students with a good preparation in nutrition, this major is also a good undergraduate preparation for those who might want to go into allied health fields, social work, or other human service professions. The elective courses also allow these undergraduate students who may wish to pursue medicine, nursing, physical therapy or other health careers to take additional science and other pre-requisite coursework for those programs.

Career Opportunities: The BS in NFS degree provides graduates with a wide variety of career opportunities. Foods and nutrition majors frequently work with athletes, weight control and fitness programs, or other special groups like WIC (Women, Infants & Children in community settings. Industries like hotels, airlines, universities, food service chains, and industrial cafeterias employ food service managers. Graduates can become food science technical specialists and conduct research, development and quality control of food products for food companies. It is also possible to use foods and nutrition knowledge for jobs in advertising, marketing and in the mass media. Students can become consultants to television programs, or write articles on food for newspapers. Students may take steps after graduation to enter a graduate didactic program in dietetics to become registered dietitians.

Note: This major is not a didactic program in dietetics (DPD) and does NOT prepare the student to become a registered dietitian.

Admission Requirements

Students planning to apply for admission to the School of Health Sciences Nutrition and Food Science track should attend a group orientation session for prospective students held every October and February. Individual appointments with a faculty adviser may also be requested by calling (212) 481-5111.

After completion of 45 credits and most of the General Education Requirements (GER), Hunter students may see an NFS adviser for pre-NFS major advising; however, pre-major status does not guarantee later acceptance into the major. Pre-majors must follow the same application procedures as any other student. Students enter the program in the fall semester and can attend on a full-time or part-time basis during the day. The Hunter College GER should be met before entrance into the NFS major. The requirements for admission into the NFS major are completion of 60 credits, including the following courses: two semesters of anatomy and physiology with lab; one semester of general chemistry with lab; one semester of organic chemistry with lab; one semester of microbiology with lab; one semester of introductory food science; one semester of introductory nutrition. A grade of C or better must be earned in all science prerequisites, and a grade of B or better in the two nutrition and food science courses.

The prerequisite courses must be completed by the end of the summer session preceding entrance into the NFS major. An overall GPA (combined grade point average from all postsecondary institutions attended) of 2.8 is required for consideration. Because of the competitive nature of the applicant pool and the small size of the incoming class, the admission process may favor applicants with an overall GPA greater than 2.8. Students who have completed 30 credits at Hunter College or at another City University institution at the time of application will be given priority in the selection process.

All applicants, including those currently enrolled at Hunter College, must file a City University of New York (CUNY) Transfer (Advanced Standing) application. The application may be obtained at Hunter’s 68th Street campus at the college’s Welcome Center, Room 100 North Building, (212) 772-4490, online at http://admissions.hunter.cuny.edu, at CUNY’s Office of Admission Services, 1114 Avenue of the Americas, New York NY 10036, (212) 997-2869 and at all CUNY campuses. You can also apply online at www.cuny.edu.

The transfer application and required supporting academic records must be mailed to the University Application Processing Center, PO Box 359023, Brooklyn, New York, 11235-9023 by March 1. Applications that arrive after March 1 are not given priority consideration and are processed on a space available basis. Applicants with completed applications by the deadline date can expect to be notified no later than May 1.

Students who have not completed the prerequisite course requirements to be considered for admission to the NFS major may wish to transfer to Hunter College as liberal arts and science students. These students should follow the same transfer admission process detailed above for the following year.
CUNY students with an earned AA or AS degree in fall 2003 and after are exempt from the Core requirements of the GER but must fulfill the graduation requirements of significant writing, and pluralism and diversity. Students must have successfully completed the other prerequisites before applying as a NFS major. Transfer students who have not earned a degree, or who have earned an associate degree from a non-CUNY institution are required to complete the Hunter GER requirements in order to graduate.

Requirements for Graduation with a BS in Nutrition and Food Science (120 credits)

General Education Requirement 39-51 cr

The Hunter General Education Requirement consists of a three-stage Core requirement and Graduation Requirement

- List of Approved Courses for GER Core Stage 1: Academic Foundations
- List of Approved Courses for GER Core Stage 2: Broad Exposure
- List of Approved Courses for GER Core Stage 3: Focused Exposure

As students complete their GER, they should include the prerequisites for NFS, which may also be applied to the college’s graduation requirements of writing and pluralism and diversity (foreign language not required for NFS major). They may select from the courses in the lists above except where indicated below:

Stage 1: Academic Foundations

Stage 1/B

**STAT 11300 - Elementary Probability and Statistics**

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs3 cr.

Stage 2: Broad Exposure

Stage 2/A

**ENGL 22000 - Introduction to Literature**

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students’ understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.

prereq: ENGL 12000
3 hrs + conf3 cr.
Stage 2/B

**ECO 10000 - Introduction to Economics**

GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics.
*Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.*
3 hrs 3 cr.

**PSYCH 10000 - Introduction to Psychology**

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs 3 cr.

Stage 2/E

**CHEM 10000 - Essentials of General Chemistry Lecture**

GER 2/E
Essential facts, laws, and theories of general chemistry.
*Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*
4 hrs (3 lec, 1 rec) 3 cr.

**CHEM 10100 - Essentials of General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
*Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec) 1.5 cr.

**CHEM 12000 - Essentials of Organic Chemistry Lecture**

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.
*Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.*
prereq: CHEM 10000
4 hrs (3 lec, 1 rec) 3 cr.

**CHEM 12100 - Essentials of Organic Chemistry Laboratory**
GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry. Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10100 or coreq: CHEM 12000
4 hrs (3 lab, 1 rec) 1.5 cr.

Allied Courses

**BIOL 12000 - Anatomy and Physiology I**

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program. 
*Not accepted for credit toward the biology major.*
prereq: CHEM 10000, 10100 or coreq: CHEM 12000, 12100
6 hrs (3 lec, 3 lab) 4.5 cr.
fall only

**BIOL 12200 - Anatomy and Physiology II**

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program. 
*Not accepted for credit toward the biology major.*
prereq: BIOL 12000 or equiv.
6 (3 hrs lec, 3 hrs lab) 4.5 cr.
spring only

**BIOL 23000 - Fundamentals of Microbiology**

GER 3/B
Topics include scope, historical aspects, taxonomy, survey of the microbial world, viruses, infectious diseases, control of microorganisms and immunology. Required for admission to the nursing program. 
*Not accepted for credit toward the biology Major I.*
prereq: CHEM 10000, 10100, 12000, 12100 or equiv; BIOL 12000 or BIOL 12200
5 hrs (2 lec, 3 lab) 3 cr.
spring only

**BIOL 28000 - Biochemistry of Health and Nutrition**

GER 3/B
Basic biochemistry in areas related to human health and nutrition. Designed for students in the dietetics program. 
*(Not accepted for credit toward biology Major I.)*
prereq: BIOL 10000, 10200 or 12000, 12200; CHEM 10000, 12000
3 hrs (lec) 3 cr.
fall only

**Pluralism and Diversity 0-12 cr**

List of Approved Courses for the GER Pluralism and Diversity Requirement

*all courses used to satisfy P&D requirements may simultaneously meet other GER
Writing 0-9 cr*

List of Approved Courses for the GER Writing Requirement

- up to 3 courses in significant writing “W” designated courses
  *courses meeting Significant writing may also meet other GER.

Required DPD Courses 30 cr

Prerequisite courses (open to non-majors)

**NFS 13100 - Food Science I**

Basic principles of the chemical and physical nature of foods, food sanitation and safety; the nutritional value of food in relation to storage, processing and preparation.

*Open to all students.*

3 hrs 3 cr.

**NFS 14100 - Nutrition**

Fundamentals of the science of nutrition as they apply to individuals and society.

*Open to all students.*

3 hrs 3 cr.

Open to majors only

**NFS 33300 - Nutrition Education**

Introduction to the theories and principles of the teaching-learning process in the field of nutrition.

*Open to NFS majors only and need department permission.*

*prereq: NFS 13100, 14100*

3 hrs 3 cr.

**NFS 33500 - Institutional Management**

Overview of the theories, functions and tasks of management. Discussion of labor and effective methods for directing an operation with applications drawn from food service.

*Open to NFS majors only and need department permission.*

*prereq: NFS 13100, 14100, ECO 10000*

3 hrs 3 cr.

**NFS 34200 - Nutrition and Human Development**

Nutritional needs throughout the life cycle: pregnancy, infancy, childhood, adolescence, adulthood and later years.

*Open to NFS majors only and need department permission.*

*prereq: NFS 34100*

3 hrs 3 cr.

**NFS 40200 - Seminar in Nutrition and Food Science**
Research in nutrition and food science; examination of professional goals.

*Open to NFS majors only and need department permission.*

*prereq: NFS 34300*

3 hrs 3 cr.

### NFS 43500 - Food Service Systems

The organization and administration of a food service operation from the systems approach on the tactical and strategic level, stressing learning activities and competencies required by the American Dietetic Association.

*Open to NFS majors only and need department permission.*

*prereq: NFS 33500*

3 hrs 3 cr.

### NFS 44100 - Community Nutrition

Analysis of nutrition services, legislation and policy; role and function of community nutritionists; nutrition education in a community setting.

*Open to NFS majors only and need department permission.*

*prereq: NFS 33300, 34200*

3 hrs 3 cr.

### NFS 44351 - Practicum in Nutrition and Food Science

Practicum in institutions, agencies, business and research firms; projects.

*Open to NFS majors only and need department permission.*

*prereq: NFS 44200*

7 hrs (1 lec, 6 lab) 3 cr.

### COMHE 33000 - Principles of Epidemiology

Methods of study of disease; risk factors; distribution, causes, prevention, and control of selected diseases.

*prereq: Acceptance to the major, or permission of the instructor.*

3 hrs 3 cr.

### Elective Courses 18 to 39 cr

### Summary 120 cr.

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Total Credits 120

**Bachelor of Science/Master of Arts - BS/MA**

**Medical Laboratory Sciences with Specialization in Biotechnology - Accelerated BS/MA**

See the Medical Laboratory Sciences section.

**Non-Degree**

**Arabic Minors**

Return to Classical and Oriental Studies

Two minors are offered by the Arabic Language, Literature, and Culture Division of the Department of Classical and Oriental Studies: Arabic and Arabic Studies.

**Minor in Arabic**

The minor in Arabic requires the successful completion of

**ARB 20100 - Intermediate Arabic I**

Emphasis placed on reading materials from Arabic media, and expanding vocabulary and grammar skills.  
*prereq: ARB 10200 or equiv.*  
3 hrs 3 cr.

**ARB 20200 - Intermediate Arabic II**

Continuation of ARB 20100.  
*prereq: ARB 20100 or equiv.*  
3 hrs 3 cr.

**ARB 30100 - Advanced Arabic I**

Emphasis on increased proficiency in reading, speaking and writing Arabic  
*prereq: ARB 20200 or equiv.*  
3 hrs 3 cr.

**ARB 30200 - Advanced Arabic II**
Continuation of ARB 30100
prereq: ARB 30100 or equiv.
3 hrs3 cr.

or their equivalent as determined by the Arabic Program Head.

**ARB 14900 - Spoken Egyptian Arabic**

The goal of this course is to teach students oral communication in the Egyptian dialect, as well as to impart cultural knowledge relevant to a student living in or visiting Egypt. This course is closed to native speakers of Arabic.

prereq: ARB 10200 and permission of instructor
3 hours3 credits

The prerequisite for the minor is successful completion of ARB 10100 and 10200 (8 credits).

**Arabic Studies Minor**

The Arabic Studies Minor requires the successful completion of 4 ARB courses on cultural or literary topics taught in English or in Arabic. Up to 2 Arabic language courses may be used to fulfill the minor requirements in lieu of two culture or literature courses.

The prerequisite for the minor is successful completion of ARB 10100 and ARB 10200 (8 credits).

**Arabic Courses**

**ARB 10100 - Beginning Arabic I**

Introduction to reading, speaking, listening, writing both formal and informal Arabic.

10100 not credited without 10200. This class is not for native speakers.
4 hrs4 cr.

**ARB 10200 - Beginning Arabic II**

Continuation of ARB 10100.
This class is not for native speakers.
prereq: ARB 10100 or equiv.
4 hrs4 cr.

**ARB 14900 - Spoken Egyptian Arabic**

The goal of this course is to teach students oral communication in the Egyptian dialect, as well as to impart cultural knowledge relevant to a student living in or visiting Egypt. This course is closed to native speakers of Arabic.

prereq: ARB 10200 and permission of instructor
3 hours3 credits

**ARB 20000 - Topics in Arabic Literature and Culture**
This course will focus on a variety of topics related to the literatures and cultures of the Arab World. Readings in translation. Specific information on a particular semester's offerings can be found on the on-line class schedule.

**prereq:** ENGL 12000 or equivalent

3 hours 3 credits

**ARB 20100 - Intermediate Arabic I**

Emphasis placed on reading materials from Arabic media, and expanding vocabulary and grammar skills.

**prereq:** ARB 10200 or equiv.

3 hrs 3 cr.

**ARB 20200 - Intermediate Arabic II**

Continuation of ARB 20100.

**prereq:** ARB 20100 or equiv.

3 hrs 3 cr.

**ARB 25000 - The Arab Novel (in translation) (W)**

GER 2C, PD/A

A consideration of Arab novels as a source for understanding issues such as urbanization, war, imperialism, nationalism, gender, as well as the politics of translation.

**prereq:** ENG 22000 or equiv.

3 hrs 3 cr.

**ARB 25100 - Arab Cinema (in translation)**

GER 2/D, PD/A

This course will introduce students to the history of Arab Cinema through readings and weekly screenings of films from all over the Arab World.

**prereq:** ENGL 12000 or equivalent

3 hrs 3 credits

**ARB 25200 - Literatures from the Islamic World (W)**

GER 2C, PD/A

A survey of literary genres and themes from the Islamic World from the 7th to the 15th century.

**prereq:** ENGL 12000 or equivalent

3 hrs 3 credits

**ARB 25300 - Literatures and Cultures of Muslim Spain (W)**

GER 2C, PD/A

A survey of the literary and cultural history of Muslim Spain, 8th - 15th century C.E.

**prereq:** ENGL 12000 or equivalent

3 hrs 3 credits

**ARB 25400 - The Arabian Nights East and West (W)**
GER 2C, PD/A
The course studies not only the stories of the Arabian Nights (1001 Nights), but also the history of the translation and adaptation of the Nights into European languages.

prereq or coreq: ENGL 12000 or equivalent
3 hours 3 credits

ARB 30000 - Problems in Arabic Literature and Culture

This course will focus on a specific area related to the literatures and topics of the Arab World. As a 300-level course, it will cover a narrow spectrum of texts. Readings in translation. Specific information on a particular semester's offerings can be found on the on-line class schedule.

prereq or coreq: ENGL 12000 and one of the following or permission of the instructor: ANTHC 20100, ARB 20000, ARB 25000W, ARB 25100, ARB 25200W, ARB 25400W, ARTH 26000W, ASIA 22004, ASIA 39013, ASIA 45051, GEOG 27400, HEBR 21500W, HIST 27650, HIST 27651, POLSC 26300W, POLSC 26900W, REL 32200W, REL 33700W OR SOC 36200W.
3 hours 3 credits

ARB 30100 - Advanced Arabic I

Emphasis on increased proficiency in reading, speaking and writing Arabic

prereq: ARB 20200 or equiv.
3 hrs 3 cr.

ARB 30200 - Advanced Arabic II

Continuation of ARB 30100

prereq: ARB 30100 or equiv.
3 hrs 3 cr.

Asian American Studies Minor

Students may minor in Asian American studies in consultation with the AASP Director or advisers. A minor consists of 12 credits in Asian American studies. Contact the AASP office for a list of qualifying courses. An Asian American studies minor will enhance the degree and career of students. It provides them with special competence in the histories of the diverse communities of the Asian diaspora and the critical skills with which to understand complex social issues and demographic changes. The AASP prepares students for careers in education, government and community organizations; for entrance to professional schools in areas such as law, social work, and urban planning; and for graduate study and research in the social sciences and humanities. Students majoring in nursing or the health sciences, psychology, political science, sociology, history, business, literature, art and many other areas will find Asian American studies useful, particularly when their interests include activities within Asian American communities or issues that affect Asians and Asian Americans.

Japanese Courses

Return to Classical and Oriental Studies

The following are the courses offered in Japanese language and culture.
Courses in Japanese Language/Culture

JPN 10100 - Elementary Japanese I
10100 not credited without 10200. 
3 hrs 3 cr.

JPN 10200 - Elementary Japanese II
Continuation of 10100. 
prereq: JPN 10100 or equiv. 
3 hrs 3 cr.

JPN 20100 - Intermediate Japanese I
Continuation of JPN 10100-10200. Extensive reading and writing practice, including at least 500 additional kanji; advanced grammar study. 
prereq: JPN 10200 or equiv. 
3 hrs 3 cr.

JPN 20200 - Intermediate Japanese II
Continuation of JPN 20100. 
prereq: JPN 20100 or equiv. 
3 hrs 3 cr.

JPN 30100 - Advanced Japanese I
Continuation of JPN 20200. Extensive reading and writing practice, including at least 700 additional kanji; advanced grammar study. 
prereq: JPN 20200 or equiv. 
3 hrs 3 cr.

JPN 30200 - Advanced Japanese II
Continuation of JPN 30100. Extensive reading and writing practice, including at least 600 additional kanji; advanced grammar study. 
prereq: JPN 30100 or equiv. 
3 hrs 3 cr.

JPN 25100 - Japanese Culture Before 1600
GER 2C PD/A
Designed for students who wish to become acquainted with Japanese culture. It will cover the periods from pre-history to 1600 and focus on elements that helped shape contemporary Japanese culture. Taught entirely in English. 
3 hours 3 credits
JPN 25200 - Japanese Culture Since 1600

GER 2C PD/A
Designed for students who wish to become acquainted with Japanese culture. It will cover the Edo Period and Modern Japan—including contemporary Japanese culture. Taught entirely in English. JPN 251 is not prerequisite.
3 hours 3 credits

Bachelor of Arts and Bachelor of Arts/Master of Arts - BA and BA/MA

Adolescent Education All BA (and BA/MA Mathematics)

Students

Return to: Adolescent Education, Grades 7-12

Requirements

SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)
Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool- community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.
3 hrs 3 cr.

SEDF 20400 - Adolescent Development
The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.
2 hrs per week plus 36 hrs fieldwork 2 cr.

SEDF 20500 - Educational Psychology: Applications in Grades 7-12
Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.
prereq: SEDF 20300, 20400
2 hrs per week plus 36 hrs fieldwork 2 cr.

SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12
The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.
prereq: SEDF 20500, SEDC 21000
2 per week plus lab 2 cr.
**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.  
*3 hrs3 cr.*

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.  
*prereq: SEDF 20300, 20400*  
*1 hr1 cr.*

**Note(s)**

* Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.

**Honors**

**Thomas Hunter Honors Program**

**Major**

Students in the Thomas Hunter Honors Program who wish to design an interdisciplinary major for themselves may do so in consultation with the appropriate Council adviser. The final transcript of such students designates the major as “Special Honors Curriculum.” Most students in the Thomas Hunter Honors Program, however, also elect to fulfill the requirements for a specific departmental major. These students abide by departmental criteria for the major and minor, and are expected to pursue departmental honors in their major. Their final transcript records the major as Special Honors Curriculum/Specific Department. Whatever their major concentration, all students in the Program must also successfully complete three special interdisciplinary honors colloquia (see further on) and maintain a cumulative grade point average of 3.5 or better until their final certification into the Program. Certification usually occurs in the student’s junior year, when the Council, ruling on each case individually, decides that the student’s continuing academic distinction and promise of future productivity warrant permanent membership in the Thomas Hunter Honors Program.

Thomas Hunter Honors Program students meet regularly in 200-level and 300-level colloquia, led by members of the Council on Honors and by other invited members of the faculty. Students take a minimum of three colloquia, one of which must be at the 200-level, and one of which must be at the 300-level. While the specific content of these courses varies from semester to semester, the underlying principles remain the same.

The 200-level colloquium is taught by one professor, often a member of the Council on Honors, who studies a specific theme using the materials and methodologies of at least two disciplines. Students may take more than one of these colloquia if they so desire, but at least one must be taken during their first year in the Program. The 300-level honors colloquia are special seminars, usually conducted by two professors, devoted to topics lending themselves to broad interdisciplinary investigation.

The colloquia offer breadth of exposure, but, even more importantly, they seek to demonstrate how knowledge gained from a variety of disciplines can be related and integrated in an effort to understand complex processes and phenomena.
In all colloquia, students write at least one major paper, in which they apply the methodology of the course to material of particular interest to them.

Upon completion of 90 credits, Thomas Hunter Honors students may also be admitted by the Council to Advanced Interdisciplinary Studies, with the opportunity of engaging in advanced independent study under the Council’s supervision. A thesis or other appropriate report of the results of the student’s research is presented to the Council.

**Requirements**

**Category I Science and Quantitive Reasoning**

*(10-12 credits)*

**Group 1 — Laboratory Courses**

A minimum of one course is required.

**Anthropology**

**ANTHP 10100 - Human Evolution**

GER 2/E

The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.

*6 hrs (3 hrs lec, 3 hrs lab)* 4 cr.

offered every sem.

**ANTHP 10200 - Human Variation**

GER 2/E

Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.

*6 hrs (3 hrs lec, 3 hrs lab)* 4 cr.

offered every sem.

**Biology**

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D

The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

*$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.*

*prereq: MATH 10100 or equivalent*

*7 hrs (3 lec, 3 lab, 1 disc)* 4.5 cr.

*fall only*
BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

Chemistry

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.

Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.

4 hrs (3 lec, 1 rec)3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.

Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.

prereq or coreq: CHEM 10000

4 hrs (3 lab, 1 rec)1.5 cr.

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

Primarily for pre-med, medical laboratory sciences and science majors.

prereq or coreq: MATH 12500, 12600 or equiv.

5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

Primarily for premed, medical laboratory sciences and science majors.

prereq: CHEM 10200 or CHEM 10000 with perm chair

5 hrs (4 lec, 1 rec)4 cr.

CHEM 10500 - General Chemistry Laboratory II

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.

Offered for transfer students who have completed only one semester of General Chemistry Laboratory.
prereq: One semester of General Chemistry Laboratory. prereq or coreq: CHEM 10400
4 hrs (3 lab, 1 rec) 1.5 cr.

CHEM 11100 - Chemical Principles

GER 2/E
In-depth introduction to chemical principles including measurement, stoichiometric calculations, inorganic nomenclature, gas laws, equilibrium, acids, bases and buffers. Emphasis is placed on problem-solving, oral presentations, and collaborative work. Laboratory and coursework emphasize analysis and evaluation of data. Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500 or equiv, MATH 12600
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop) 5.5 offered fall

CHEM 11200 - Thermodynamics and Solution Chemistry

GER 2/E
The study of quantum theory, atomic structure, periodic properties of the elements, kinetics, electrochemistry, and thermodynamics. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 11100
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop) 5.5 offered spring
CHEM 10300
CHEM 10500 (distribution credit only if both lecture and corresponding lab are completed).

Additional Information

CHEM 111 and 112 can only satisfy the requirement when used together and with CHEM 103 as the required lab.

Geography

PGEOG 13000 - Weather and Climate

GER 2/E
Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.
5 hrs (3 lec, 2 lab) 4 cr.
Offered in the Fall and Spring

PGEOG 23100 - Physical Geography II: Principles of Geomorphology

See GEOL 23100

Geology
GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab)4.5 cr.
Offered fall and spring.

GEOL 10200 - Plate Tectonics and the Earth's Evolution

GER 2/E
The second course in geology offered to non-geology majors. It is designed to familiarize students with the main concepts used in deciphering and interpreting earth’s evolution from the spatial and temporal perspective. Topics to be covered include: geologic time; geological principles; earth materials as recorders of past geologic processes; depositional environments and sedimentary rock record; igneous and metamorphic geologic environments and their rock records; evolution of the solar system; plate tectonics and life on earth; origin of the universe; life on earth and the fossil record; Precambrian, Paleozoic, Mesozoic, and Cenozoic life, history and tectonics. Field trips may be required; transportation fee.
prereq: GEOL 10100
5 hrs (3 lec, 2 lab)4 cr.
Offered fall.

Physics and Astronomy

PHYS 10100 - Study of Selected Phenomena and Basic Concepts of Physics

GER 2/E
Introductory one-semester physics course designed for non-science majors and others requiring a one-semester terminal course.
6 hrs (3 lec, 3 lab)4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics
GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

**PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

**ASTRO 10700 - Laboratory Exercises in Astronomy**

GER 2/E
Classroom and online experimental laboratory exercises in astronomy to observe the major features of the night sky, demonstrate the physical basis of astronomical instruments, and experiment with astronomical phenomena. Only offered to students who have previously taken ASTRO 100 which is no longer offered [ASTRO 100 + ASTRO 107 are replaced by ASTRO 10100].
prereq or coreq: ASTRO 10000
2 hrs 1 cr.

**Group 2 - Non-Laboratory Courses**

**Computer Science**

**CSCI 12000 - Introduction to Computers**

GER 2/E
Intended for non-majors. Basic concepts of computer technology. Principles of hardware operation, software and networking. Roles of computers in society, including ethical and legal issues. 
*This course cannot be counted towards the CSCI major*
prereq: none
3 hrs 3 cr.

**CSCI 15000 - Discrete Structures**

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.
prereq: MATH 12500, 15000 or 15500
3 hrs 3 cr.

**Physics and Astronomy**

**Group 3 - Quantitative Reasoning Courses**
A minimum of one course is required. Students may be exempt from this part (but not from the category 10-12 credit total) by placing out of MATH 120 on the CUNY Math Placement Test.

**Mathematics and Statistics**

**MATH 10000 - Basic Structures of Mathematics**

GER 1/B
Not open to students who have received credit for any math or stat course that satisfies the GER 1/B requirement. Not recommended for students majoring in mathematics, statistics, computer science, or natural sciences. Symbolic logic, sets, number systems, relations and operations and topics in probability and statistics. This course is a terminal course and does not serve as a prerequisite to any other course in the department.

*prereq: CUNY Math Proficiency*  
3 hrs 3 cr.

**MATH 10400 - Mathematics for Elementary Education I**

GER 1/B  
Fundamental and relevant mathematics as recommended by the NCTM for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers and number theory. Required of students planning to teach in elementary schools. Not open to other students.

*prereq: grade of C or better in MATH 10100 or appropriate score on the placement exam*  
3 hrs 3 cr.

**MATH 11000 - Topics in the Mathematical Sciences**

GER 1/B  
Not open to students who have completed MATH 10500, 16000 or 26000. Intended for liberal arts or social science students. Applications of topics selected from algebra, analysis, computer science, geometry, probability and statistics.

*prereq: college-level mathematics or statistics course.*  
3 hrs 3 cr.

**MATH 10500 - Mathematics for Elementary Education II**

GER 1/B  
Continuation of MATH 10400. Continuation of the content of the mathematics recommended by the NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence and similarity.

*prereq: grade of C or better in MATH 10400*  
3 hrs 3 cr.

**MATH 11100 - Matrices, Vectors and Linear Programming**

GER 1/B  
Not open to students who have completed MATH 16000 or 26000. Recommended for accounting students; not recommended for students majoring in mathematics or statistics. Introduction to matrices and vectors, systems of linear equations and linear programming with applications.

*prereq: MATH 10100 or appropriate score on placement exam*  
3 hrs 3 cr.
MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs3 cr.

STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

STAT 21200 - Discrete Probability
GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

*prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.*
*3 hrs 3 cr.*

**Category V Humanities and the Arts**

*(9 credits)*

No more than one course (3 credits) may be taken in any one department or program.

**Group 1:**

(A maximum of 6 credits may be taken from this group)

**Art**

**ARTH 11100 - Introduction to History of Art**

GER 2/D PD/D
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.
*3 hrs 3 cr.*

**Dance**

**DAN 10200 - Dance, Dancers and the Audience**

GER 2/D
Lecture demonstration course designed to introduce students to the art of dance through analysis of history, dance style and socio-political underpinnings. This course includes participation in both lecture and movement sessions.
*

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

*prereq: minimum 12 cr.*
*3 hrs 3 cr.*

**DAN 23200 - 20th-Century Dance History**

GER 2/D PD/D
Readings, lectures, films, discussions of 20th century ballet, modern, social and popular theatre dance forms; analysis of individual styles and cultural trends.
*

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

*3 hrs 3 cr.*
Film and Media Studies

**FILM 10100 - Introduction to Cinema**

GER 2/D PD/D  
Fundamental concepts of film and discussion of major critical systems. Screening of relevant films.  
3 hrs 3 cr.

Music

**MUSHL 10100 - Introduction to Music**

GER 2/D PD/D  
For non-majors. Selected compositions primarily from the European tradition studied with aim to develop perceptive listening.  
3 hrs 3 cr.

**MUSHL 10700 - The World of Music**

GER 2/D PD/A  
For non-majors. Introduction to music from a spectrum of world cultures, including Africa, Asia, and the Caribbean.  
3 hrs 3 cr.

**MUSTH 10100 - Music Theory Fundamentals**

GER 2/D  
For non-majors. Introduction to music theory, sight singing, and ear training.  
3 hrs 3 cr.

Theatre

**THEA 10100 - Introduction to Theatre**

GER 2/D  
Study of elements of theatre arts acting, directing, playwriting, design from standpoints of both viewer and participant.  
3 hrs 3 cr.

Humanities Interdisciplinary

Group 3:

(A maximum of 3 credits may be taken from this group)

Black and Puerto Rican Studies

**AFPRL 22000 - African Spirituality in the Diaspora**
The nature and expressions of the spiritual ethos enabling the survival of classical African human values in dehumanizing circumstances during and after enslavement in North America, South America and the Caribbean.

3 hrs
3 cr.

AFPRL 22200 - African Civilization

GER 2/C PD/A
Introduction to study of African civilization.

3 hrs
3 cr.

AFPRL 14100 - Puerto Rican Folklore

GER 2/C PD/A or B
Study of Puerto Rican folklore: traditional beliefs, legends, religious rites and typical music.

3 hrs
3 cr.

AFPRL 24300 - Puerto Rican Culture

GER 2/C PD/A or B
General study of Puerto Rican culture and ethnic mixtures that went into making of that culture.

3 hrs
3 cr.

Chinese

CHIN 11100 - Chinese Culture I

GER 2/C PD/A
Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English.

3 hrs
3 cr.

CHIN 11200 - Chinese Culture II

GER 2/C PD/A
Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.

3 hrs
3 cr.

Classics

CLA 10100 - Classical Mythology

GER 2/C PD/D
Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and theories.

3 hrs
3 cr.

CLA 11000 - The Greek and Latin Roots of English
GER 2/C
Elements of language structure; how languages work; elements of Latin and Greek in English vocabulary.
3 hrs 3 cr.

CLA 20100 - Greek Civilization (W)

GER 2/C PD/D
Ancient Greek culture: art and literature, religion, philosophy, economics, politics, education, and athletics.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 20300 - Roman Civilization (W)

GER 2/C PD/D
Ancient Roman culture: art and literature, law, architecture, engineering, economics, popular culture, leisure activities.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 22000 - Aegean Archaeology (W)

GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22500 - Archaeology of Egypt (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Egypt, Giza, Thebes, Amarna; hieroglyphs, literature, tombs, religion, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22700W - Archaeology of Eastern Mediterranean

GER 3/A PD/A
Cyprus, Southern Anatolia, Phoenicia, and Palestine, especially in Bronze Age.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

French

FREN 24100 - Early French Civilization: From Gothic to Revolution

GER 2/C PD/D
Conducted in English; readings in English.
3 hrs 3 cr.

FREN 24200 - Modern French Civilization: From Revolution to Present
There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.

3 hrs 3 cr.

German

GERMN 24000 - German Thought and Culture: A Survey (W)

GER 2/C PD/D
Discussion of the German contribution in the fields of art, literature, music, philosophy in historical perspective.
(Conducted in English) Note: No knowledge of German required.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

Hebrew

HEBR 24000 - Introduction to the Old Testament

GER 2/C PD/A
Survey of the books of the Old Testament, their form, content and cultural background. Introduction to the tools and methods of modern biblical criticism.
3 hrs 3 cr

HEBR 28800 - Ancient Hebraic Folklore

GER 2/C PD/A
Analysis and comparative study of folk beliefs, practices and literature reflected in Hebrew Bible, apocryphal literature and rabbinic Aggada.
3 hrs 3 cr

HEBR 29000 - Biblical Archaeology

GER 2/C PD/A
Study of Biblical sources in translation in relation to major archaeological discoveries in Israel and Near East.
3 hrs 3 cr

HEBR 29200 - The Hebrew Prophets

GER 2/C PD/A
Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical and religious thought.
3 hrs 3 cr

HEBR 29500 - Ancient Hebrew Law
GER 2/C PD/A
Historical and comparative study of Biblical and rabbinic law.
3 hrs 3 cr

Italian

ITAL 28000 - The Italian Renaissance: An Introduction

GER 2/C PD/D
In English. An introduction to the literature of the Italian Renaissance and the major humanist figures in art, politics, philosophy and science.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs 3 cr.

ITAL 33400 - Italian Civilization in the Baroque, in English

GER 2/C PD/D
An introduction to the main artistic, philosophical, scientific and literary achievements in Italy in the 17th century.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 22000 or AFPL 23500, 23600 or 23700 or any courses in literature in translation
3 hrs 3 cr.

Russian

RUSS 15500 - The Culture of Old Russia

GER 2/C PD/D
Religion, art, architecture and daily life in medieval Russia.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 15600 - Culture of Imperial Russia: the Age of Empresses

GER 2/C PD/C
Major cultural movements of the Empire baroque, classicism, romanticism and their effect on the cultural fabric of Russia from Regent Sophia through the reign of Peter to Catherine the Great.
cross-listed WGS 15600
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 15700 - The Age of the Great Masters

GER 2/C PD/D
Russian culture as shaped by the great masters of Russian literature, art and music in the late 19th and early 20th centuries.
prereq: ENGL 12000
3 hrs 3 cr.
RUSS 15800 - Contemporary Russian Culture

GER 2/C
Survey of Russian culture from Stalin to present exploring the relationship between the arts and the state apparatus. Consideration of such figures as Pasternak, Solzhenitsyn, Yevtushenko, Prokofiev, Tarkovsky and the Taganka Theatre.

prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25500 - Russian Folklore, in Translation (W)

GER 2/C PD/D
Common Slavic myths and traditions.

prereq: ENGL 12000
3 hrs 3 cr.

RUSS 29400 - Folklore and Literature (W)

GER 3/A PD/D
Students will be introduced to basic concepts of literature and folklore to increase, through a comparative study, their understanding and appreciation of both art forms. Works in English of major Russian writers such as Pushkin, Gogol and Pilnyak will be read in juxtaposition with folklore genres in search of how literary texts mirror folklore subjects. European, African and South American literature and folklore will be introduced or comparative purposes.

prereq: ENGL 12000
3 hrs 3 cr.

Spanish

SPAN 24100 - Civilization of Spain, in English

GER 2/C PD/D
An integrated presentation of Spanish civilization, combining historical with literary and other cultural aspects.

prereq: ENGL 12000
3 hrs 3 cr.

Category VI Social Science

(12 credits)

Anthropology

ANTHC 10100 - Introduction to Cultural Anthropology

GER 2/B PD/A
Comparative and historical examination of the human condition through a focus on diverse responses to universal problems, such as making a living, resolving conflict, organizing family/kin relations and finding meaning in the world.

3 hrs 3 cr.
offered every sem.
ANTHC 12600 - Introduction to Prehistoric Archaeology

GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs 3 cr.
offered every sem.

ANTHC 15100 - Introduction to Linguistics

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.
3 hrs 3 cr.

Black and Puerto Rican Studies

AFPRL 20100 - African History from Human Origins to 1600 CE

GER 2/B PD/A
African history from ancient times with emphasis on endogenous African development of civilizations and complex economic, technological and cultural systems over time.
3 hrs 3 cr.

AFPRL 20200 - African History Since 1600 CE

GER 2/B PD/A
Main currents of African history from 1600 CE to present
3 hrs 3 cr.

AFPRL 20300 - African American History I

GER 2/B PD/B
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.
3 hrs 3 cr.

AFPRL 20400 - African American History II

GER 2/B PD/B
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.
3 hrs 3 cr.

AFPRL 20900 - Introduction to Caribbean History to 1900

GER 2/B PD/A
Introduction to the major themes in Caribbean history to 1900.
prereq: ENGL 12000
3 hrs 3 cr.

AFPRL 21000 - Introduction to Caribbean History: 1900 - Present
GER 2/B PD/A
Introduction to the major themes in Caribbean history after 1900.
prereq: ENGL 12000
3 hrs3 cr.

or one course chosen from

**AFPRL 10200 - Latino Communities in the United States**

GER 2/B PD/B
Migration, ethnicity, community life and public policy issues of Latino groups compared to the Puerto Rican experience.
3 hrs3 cr.

**AFPRL 10300 - Conquest and Resistance: Puerto Rican Experiences in Comparative Perspective**

GER 2/B PD/B
Introductory study of the Puerto Rican experience compared with experiences of Native and African Americans, Chicanos and Pacific Island peoples in the territorial expansion of the United States.
3 hrs3 cr.

or one course chosen from

**AFPRL 24100 - Puerto Rican History to 1897**

GER 2/B PD/A
An examination of Taino society, Spanish colonialism, slave economy and the development of nationhood in the 19th century.
3 hrs3 cr.

**AFPRL 24200 - Puerto Rican History Since 1898**

GER 2/B PD/A
Sociohistorical, political and economic analysis of Puerto Rico dating from the U.S. invasion to the present.
3 hrs3 cr.

**AFPRL 24400 - Puerto Ricans in the United States**

GER 2/B PD/B
Survey of the origins, contemporary and future development of Puerto Ricans in the United States.
3 hrs3 cr.

**Economics**

**ECO 10000 - Introduction to Economics**
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics.

Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.

3 hrs 3 cr.

**ECO 20000 - Principles of Economics: Microeconomics**

May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

**prereq:** MATH 10100 or exemption from the course

3 hrs 3 cr.

**ECO 20100 - Principles of Economics: Macroeconomics**

May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.

**prereq:** MATH 10100 or exemption from the course

3 hrs 3 cr.

**History**

**HIST 11100 - World History to 1500**

The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional connections; the spread of civilization across the globe.

Courses at the 300-level and above not offered to freshmen.

3 hrs 3 cr.

**HIST 11200 - World History from 1500 to the Present**

The transition from relatively isolated individual cultures to an interrelated global network; the impact of the democratic and scientific revolutions; the development of nationalism and internationalism among the nations of the world.

Courses at the 300-level and above not offered to freshmen.

3 hrs 3 cr.

**HIST 12100 - Early Modern Europe 1500 to 1815**

Transition from feudal society to national states; religious upheavals, expansion up to the French revolutionary era

Courses at the 300-level and above not offered to freshmen.

3 hrs 3 cr.

**HIST 12200 - 19th and 20th Century Europe (W)**
GER 2/B PD/D
Scientific and industrial revolutions, liberalism, imperialism, socialism and fascism, total war, reconstruction.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 15100 - The United States from the Colonial Era to the Civil War (W)
GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 15200 - The United States from the Civil War Era to the Present (W)
GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 20100 - Ancient Civilization
GER 2/B
Development of civilization in the Near East. Its expansion under Greece and Rome to 500 CE in the Mediterranean basin.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 21000 - History of Judaism
GER 2/B
Survey of the Jewish religious tradition with attention to interactions between Judaism and other religions and to the role of Judaism in the formation of Christianity and Islam.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 27700 - East Asia to 1600
GER 2/B PD/A
Survey of traditional cultures and sociopolitical structures of China, Japan, Korea and Vietnam to about 1600 AD.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 27800 - East Asia, 1600 to the Present
GER 2/B PD/A
Coming of West to Asia and resulting processes of revolution and modernization after 1600 AD.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.
HIST 28800 - History of Africa to the 19th Century
GER 2/B PD/A
Survey of pre-colonial African societies with emphasis on economic and social institutions changing under the impact of the environment.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 28900 - Africa in the 19th and 20th Centuries
GER 2/B PD/A
Historical explanation of independent Africa rising after colonialism and adjusting to modernization.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

Human Geography

GEOG 10100 - People and Their Environment
GER 2/B
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. Contemporary economic, political and social patterns and problems are discussed.

3 hrs 3 cr.
offered fall and spring.

GEOG 22100 - Economic Geography
GER 2/B
An introduction to the sub-discipline of economic geography, which will include an exploration of the history of both economics and geography, and a rigorous global approach to the subjects. Students will come to understand the history of the development of economic thought, leading up to, and transformed, by today’s crisis, as well as the particularly geographical nature of economic phenomena and processes, and the immense contributions geographers have made to the understanding of economics. Course focus is on the dominant form of global economic activity today, which is capitalistic, and the way this economic structure plays out through different geographies at different historical moments in time.
Not open to freshmen
prereq: GEOG 10100 or perm instr.
3 hrs 3 cr.
Offered fall and spring

GEOG 22600 - Environmental Conservation: Resource Management
GER 2/B
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.

3 hrs3 cr.

also

GEOG 25100 - Geography of the United States and Canada

GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges

prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs3 cr.

GEOG 26000 - Geography of New York State

GER 2/B
The goals of the course are to learn about the geography of New York State – its physical environment, the distribution of its people and their activities, and the interrelationships between the people and the environment in NYS. and to apply geographic principles and reasoning to a real world situation where NYS is used as an example of regional analysis; and to explore, navigate through, and use the geographic information available on the Internet, especially the information provided by the State of New York. For those in the education sequence an addition goal is to gather and use information about NYS within the guidelines of the National Geography Standards for presentation at a grade-specific level.

prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs3 cr.

but not both

Political Science

Psychology

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

3 hrs3 cr.
an additional course may be selected from

**PSYCH 14000 - Psychology of Adjustment**

GER 2/B
Styles of adjustment; social interaction; self-concept and self-esteem: stress management; alienation; failures of adjustment.
*prereq: PSYC 10000
3 hrs3 cr.*

**PSYCH 15000 - Human Development**

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.
*prereq: PSYC 10000
3 hrs3 cr.*

**PSYCH 16000 - Evolution and Behavior**

GER 2/B
Aggression, sleep, learning, communication, emotion, motivation and social behavior in human and other species; underlying mechanisms, development, evolutionary history.
*prereq: PSYC 10000
3 hrs3 cr.*

**PSYCH 17000 - Psychology of Human Sexuality**

GER 2/B PD/C
Psychological foundations, sexual development and response patterns; male and female roles; individual and social attitudes, legal issues.
*cross-listed WGS 17000
prereq: PSYCH 10000
3 hrs3 cr.*

**PSYCH 18000 - Brain and Behavior**

GER 2/B
Brain structure, function and relation to behavior. Topics include the neural basis of perception, learning and memory, consciousness, motivation, emotion.
*prereq: PSYC 10000
3 hrs3 cr.*

**PSYCH 19500 - Special Topics in Psychology I**

GER 2/B
Readings and discussions on a selected problem or topic area. Topics vary from semester to semester.
*prereq: PSYC 10000
3 hrs3 cr.*

**Sociology**
SOC 10100 - Introduction to Sociology

GER 2/B
Development of sociological imagination through introduction and application of basic concepts incorporating global and comparative perspectives.
3 hrs 3 cr.

an additional course may be selected from

SOC 21700 - Race and Ethnicity

GER 3/B PD/B
Dominant-subordinate relations among selected groups: Asians, Blacks, Hispanics, Jews, Indians, White ethnics.
prereq: SOC 10100
3 hrs 3 cr.

SOC 21800 - Social Inequality

GER 3/B
Examination of social inequality in contemporary society from various empirical and theoretical perspectives focusing on class, ethnic, gender, and other determinants of stratification.
prereq: SOC 10100
3 hrs 3 cr.

SOC 25300 - Deviance and Social Control

GER 3/B
Theories of causation and analysis of particular types of deviance: sexual, criminal, political.
prereq: SOC 10100
3 hrs 3 cr.

SOC 25700 - Sex and Gender Roles

GER 3/B PD/C
Sex role differentiation: femininity, masculinity, marriage, child rearing.
cross-listed WGS 25700
prereq: SOC 10100
3 hrs 3 cr.

Urban Affairs

URBS 10100 - Urban Life: Personal and Observational View (W)

GER 2/B
Introduction to urban studies allowing students to translate personal knowledge and experience of New York City to more theoretical understanding of urbanism. Includes four projects dealing with mapping, immigration, census data analysis, and local development issues.
3 hrs 3 cr.
URBS 10200 - Structure of Urban Region (W)

GER 2/B
Introduction to forces shaping institutions and life of contemporary American urban regions. Focus on evolving metropolitan economic, social, demographic, spatial, and political systems, and their relevance to current policy.
prereq: URBS 10100 or relevant intro course (e.g., ECO 10000 or 20100-20200; GEOG 10100, PLSC 11100, SOC 10100) or perm instr.
3 hrs3 cr.

URBS 20100 - Urban Plans and Policies

GER 2/B
Includes the study of the policy making process, major plans/policies (e.g. War on Poverty, urban renewal, neighborhood rezoning), “politics/power,” the role of non-profits in urban planning and policy making.
prereq: URBS 10200 or 6 cr. intro social science courses or perm instr.
3 hrs3 cr.

List of Approved Courses for the GER Writing Requirement

Writing Requirement

Students matriculating with fewer than 31 credits must take three courses in significant writing W-designated courses at Hunter College. Transfer students matriculating with 31 to 59 credits must take at least two W-designated courses at Hunter College. Transfer students matriculating with 60 to 90 credits must take at least one W-designated course at Hunter College. (ENGL 120 does not count as W-designated course.)

Note: Specific sections of courses containing significant writing are listed with a W designation in the Schedule of Classes. Please note that not all sections of a course are necessarily offered with significant writing. To satisfy the Writing Requirement a section designated as W in the Schedule of Classes must be taken.

Africana and Puerto Rican/Latino Studies

AFPRL 23500 - African Literature (W)

GER 2/A PD/A
Introduction to contemporary African literature originally written in English. The course is conducted in English; all course requirements are in English.
prereq: ENGL 12000
3 hrs3 cr.

AFPRL 23600 - African American Literature (W)

GER 2/A PD/B
Introduction to African American writing, from earliest expressions to present.
prereq: ENGL 12000
3 hrs3 cr.
AFPRL 23700 - African Caribbean Literature (W)

GER 2/A PD/A or B
Introduction to the historical development and major artistic preoccupations of Caribbean literature. The course is conducted in English; all course requirements are in English.
prereq: ENGL 12000
3 hrs 3 cr.

AFPRL 23800 - Introduction to the Literature of the African Diaspora (W)

Introduction to a cross-section of texts that contribute to the creation and development of an African Diaspora literary tradition.

GER 2/A PD/A or B
prereq: ENGL 12000
3 hrs 3 cr

AFPRL 30400 - Leaders and Movements of Black Urban Communities (W)

GER 3/B PD/B
Personalities and movements that have influenced Black communities of U.S.; focuses mainly on 20th century.
prereq: AFPRL 20300 or 20400 or 20500
3 hrs 3 cr.

AFPRL 30600 - Modern African International Relations (W)

GER 3/B PD/A
Factors affecting relations among African states and between African and non-African states within international system.
prereq: AFPRL 20600 or perm instr.
3 hrs 3 cr.

AFPRL 30700 - Contemporary African Politics (W)

GER 3/B
Study of post-independence nationalism, political systems, regional and inter-nation cooperation of African nations.
prereq: AFPRL 20600 or perm instr.
3 hrs 3 cr.

AFPRL 30800 - Contemporary International Relations of the African-Caribbean (W)

GER 3/B
Examination of the use of foreign policy for economic development in the Caribbean and as an instrument of transformation.
prereq: AFPRL 20700 or 21000 or perm instr.
3 hrs 3 cr.

AFPRL 30900 - African-Americans and Africa (W)
GER 3/B PD/A or B
Major evidence of Black American involvement and interest in Africa from 1775 to present.
prereq: AFPRL 20300 or 20400
3 hrs3 cr.

**AFPRL 31000 - Modern Nigeria (W)**

GER 3/B
Detailed study of the historical development of modern Nigeria from the late 19th century to the present.
prereq: perm instr.
3 hrs3 cr.

**AFPRL 31300 - Slavery (W)**

GER 3/B PD/A or B
Historical overview of slavery from Africa to the Americas.
prereq: AFPRL 20300 or 20900 or perm instr.
3 hrs3 cr.

**AFPRL 31400 - Blacks in Labor and Politics (W)**

GER 3/B
Black labor from emancipation to present. Emphasis on period between New Deal and present.
prereq: AFPRL 20400 or 20500 or perm instr.
3 hrs3 cr.

**AFPRL 31800 - Women in Africa (W)**

GER 3/B PD/C
Examination of African womanhood in traditional setting during colonialism and neo-colonialism, independence and revolution.
cross-listed WGS 31800 (A Writing-intensive Course)
prereq: AFPRL 20200 or 22200 or perm instr.
3 hrs3 cr.

**AFPRL 31900 - Women in the African Diaspora (W)**

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance and in sustaining African culture and values.
cross-listed WGS 32900 (W)
prereq: AFPRL 20400 or 20900 or 21000 or perm instr.
3 hrs3 cr.

**AFPRL 32000 - African-Caribbean Culture (W)**

GER 3/A PD/A or B
prereq: AFPRL 20900 or 21000 or 22200
3 hrs3 cr.
AFPRL 32100 - Caribbean Migration and New York City (W)

GER 3/B PD/A or B
An historical examination of the lives of Caribbean immigrants in New York City from the causes for emigration to the development of an ethnic community in the City.

prereq: ENGL 12000; AFPRL 20700, 20800, 20900, 21000, 30700 or 30800
3 hrs3 cr

AFPRL 32200 - African World View: Philosophy and Symbolic Thought (W)

GER 3/A PD/A
Examination of African religious systems, metaphysical conceptions and philosophy.

prereq: AFPRL 22200 or perm instr.
3 hrs3 cr.
offered every other sem.

AFPRL 32300 - Islam and Christianity in Africa (W)

GER 3/A
Examination of relationship of Islam and Christianity to primary African religion and their political role in African history.

prereq: AFPRL 201 or 202 or 222 or perm instr.
3 hrs3 cr.

AFPRL 32400 - African-American Ethnohistory (W)

Ethnohistorical survey of development of Black culture in the diaspora; reinterpretation of African forms in Western European environment.

prereq: AFPRL 22000 or perm instr.
3 hrs3 cr.

AFPRL 33000 - Autobiography as a Theme in Black Literature (W)

GER 3/A
Treatment of autobiographical works of Black authors in U.S., Caribbean and Africa during 19th and 20th centuries.

prereq: AFPRL 23600 or perm instr
3 hrs3 cr.

AFPRL 33600 - African-American Women Writers (W)

GER 3/A PD/C
African-American female authors from slavery to present: novels, short stories, essays, plays, poetry, teenage fiction and children's books.

cross-listed WGS 33600 (W)

prereq: AFPRL 23600 or perm instr.
3 hrs3 cr.

AFPRL 33700 - Caribbean Women Writers (W)
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, creolization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.

cross-listed WGS 33700 (W)

prereq: AFPRL 23600 or 23700 or ENGL 22000 or WGS 10000

3 hrs3 cr.

**AFPRL 34200 - Political Nationalism in Puerto Rico (W)**

GER 3/B PD/A

Nationalist ideology in Puerto Rico: its impact on contemporary political movements and economy.

prereq: AFPRL 24200 or perm instr.

3 hrs3 cr.

**AFPRL 35100 - Major Puerto Rican Figures (W)**

GER 3/B PD/A or B

Theorists, poets and statesmen in formation of Puerto Rican nationality.

prereq: AFPRL 14300 or 24200 or 24300

3 hrs3 cr.

**AFPRL 35200 - Power Structure in Puerto Rico (W)**

GER 3/B

Social analysis of class divisions, role of the economy and the United States presence in Puerto Rico.

prereq: AFPRL 24300 or 27000

3 hrs3 cr.

**AFPRL 35500 - The African Image in 19th and 20th century Spanish Antillean Poetry (W)**

GER 3/A PD/A

The portrayal of the African image in Spanish Antillean poetry seen through the work and poetic trends of its major exponents.

prereq: AFPRL 14300 or SPAN 20800, reading knowledge of Spanish

3 hrs3 cr.

**AFPRL 35600 - Latino Literature in English (W)**

GER 3/A PD/B

Latino writing in English in the U.S.; analysis of cultural, linguistic and ideological factors as found in the work of such authors as Sandra Cisneros (Chicana), Pedro Pietri (Puerto Rican) and Oscar Hijuelos (Cuban-American).

3 hrs3 cr.

**AFPRL 36000 - Politics in Puerto Rico (W)**

GER 3/B

Analysis of the political status issue, development of political parties, national leadership and participation.
prereq: AFPRL 24200 or 34200 or perm instr.
3 hrs3 cr.

**AFPRL 36200 - Puerto Rican and Caribbean Religious Practices (W)**

GER 3/A PD/A or B
Reading knowledge of Spanish suggested. Analysis of roots of folk religion in Indian, African and Spanish cultures. Religious syncretisms, popular imagery and ritual practices.

*prereq: AFPRL 14100 or 24300
3 hrs3 cr.*

**AFPRL 37000 - Sociolinguistic Fieldwork in Black and Puerto Rican/Latino Speech Communities (W)**

GER 3/B
Sociolinguistic theory applied to linguistic varieties spoken in African American, African Caribbean, Puerto Rican and other Latino communities.

*prereq: AFPRL 18100 or ANTHC 15100
3 hrs3 cr.*

**AFPRL 38400 - Poverty in Society (W)**

GER 3/B
Causes and effects of deprivation, with emphasis on policy and program approaches for African Americans and Puerto Ricans/Latinos.

*prereq: successful completion of any 2 AFPRL courses
3 hrs3 cr.*

**AFPRL 38700 - Puerto Rican/Latino Politics in the United States (W)**

GER 3/B PD/B
An analysis of the political participation and leadership of Puerto Ricans and other Latinos in the United States.

*prereq: either AFPRL 10200, 24200 or 24400 or perm. Instr.
3 hrs3 cr.*

**AFPRL 39000 - Research Topics in Africana and Puerto Rican/Latino Studies (W)**

GER 3/A or B
Topics change according to instructor.
*Open to Jr/Sr only.
3 hrs3 cr.*

**Anthropology**

**ANTHC 21500 - The Anthropology of Black America (W)**

GER 3/B PD/B
Examines anthropological knowledge about Black America and the various socio-political contexts in which this body of scholarship has been produced. Focuses on the politics of knowledge production on Black culture.
prereq: ENGL 12000
3 hrs 3 cr.

**ANTHC 27500 - Reading Ethnographies (W)**

GER 3/B
Examines the most significant mode of writing within cultural anthropology: the ethnography. Students explore interpretive, theoretical and political issues in the representation of cultures through close reading and analysis of ethnographic texts.

*prereq: ANTHC 10100 or perm instr.prereq or coreq: ENGL 12000
3 hrs 3 cr.*

**Art**

**ARTH 20500 - Egyptian Art (W)**

GER 3/A PD/A
Geographical, historical and social conditions of the Nile. Influence of Egyptian art.

*ARTH 1100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
prereq or coreq: ENGL 12000 is a prerequisite or corequisite for all ARTH courses numbered 20500-20700.
3 hrs 3 cr.*

**ARTH 21500 - Greek Art (W)**

GER 3/A PD/D
Sculpture and painting from the geometric period to the Hellenistic (ca. 750-100 BC). Emphasis on architectural sculpture, monumental free-standing sculpture and vase painting, in their stylistic and narrative contexts

*ARTH 1100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.*

**ARTH 21600 - Roman Art (W)**

GER 3/A PD/D
Roman sculpture and painting from Republican period to Age of Constantine (ca. 100 BC-315 AD). Emphasis on historical reliefs, portraits and wall painting.

*ARTH 1100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.*

**ARTH 22000 - Early Medieval Art (W)**

GER 3/A
Sculpture, painting, mosaics and minor arts in West from dissolution of Roman Empire through Carolingian revival, including early Christian and Byzantine art.

*ARTH 1100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-
credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

**ARTH 22100 - Later Medieval Art (W)**

GER 3/A PD/D
Ottonian, Romanesque and Gothic art; architecture, sculpture, painting and minor arts.
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*
3 hrs 3 cr.

**ARTH 22500 - Art of Early Renaissance (W)**

GER 3/A PD/D
Painting, sculpture and related architecture in 14th- and 15th-century Italy. Major artists from Giotto to Botticelli.
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*
3 hrs 3 cr.

**ARTH 22700 - Northern European Painting (W)**

GER 3/A PD/D
Late 14th-16th centuries with emphasis on early Netherlandish painting and later masters, such as Der, Bosch, Bruegel.
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*
3 hrs 3 cr.

**ARTH 23000 - Art of High Renaissance and Later 16th Century in Italy (W)**

GER 3/A PD/D
Sculpture and painting of 16th-century Italy. Emphasis on Leonardo, Raphael, Michelangelo and Titian.
3 hrs 3 cr.
offered spring

**ARTH 23500 - Southern Baroque Art (W)**

GER 3/A PD/D
Sculpture, painting of 17th-century Italy, France, Spain: Carracci, Caravaggio, Reni, Bernini; Ribera, Velasquez, Zurbaran, Murillo; Poussin, Claude Lorrain.
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*
3 hrs 3 cr.

**ARTH 24000 - Baroque Art of Northern Europe (W)**

GER 3/A PD/D
Sculpture and painting in 17th-century Flanders, Holland and England. Rubens, Van Dyck, Rembrandt; landscape.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.  
3 hrs 3 cr.

ARTH 24300 - Eighteenth-Century Art (W)

GER 3/A PD/D  
European painting and sculpture; Watteau, Fragonard and Houdon in France, Hogarth and Reynolds in England, Tiepolo in Italy.  
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.  
3 hrs 3 cr.

ARTH 24400 - Neo-Classicism and Romanticism: the Age of Revolution, 1789-1848 (W)

GER 3/A PD/D  
Neo-classicism and romanticism in France, Germany, England, Spain. David, Ingres, Delacroix; Friedrich, Runge, the Nazarenes; Blake, Reynolds, Constable; Goya.  
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.  
3 hrs 3 cr.


GER 3/A PD/D  
Impressionists and post-Impressionists within a European context: Courbet, Manet, Monet, Canne, Van Gogh, Gauguin, Munch.  
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.  
3 hrs 3 cr.

ARTH 24600 - American Art (W)

GER 3/A PD/D  
Nineteenth-century American painting, architecture, sculpture, graphics, photography in social, historical and environmental background of period.  
prereq: ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.  
3 hrs 3 cr.  
offered fall

ARTH 24900 - Twentieth-Century Art I (W)
GER 3/A PD/D
Western art to World War II.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs3 cr.

ARTH 25000 - Twentieth-Century Art II (W)

GER 3/A PD/D
Western art from World War II to approximately 1980.
prereq: ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs3 cr.

ARTH 25100 - Contemporary Art (W)

GER 3/A
Significant international artists and art works of the past twenty years, as well as recent developments in art theory and criticism.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
prereq: ARTH 11100
3 hrs3 cr.

ARTH 25200 - Ancient Architecture (W)

GER 3/A
Major architectural styles with emphasis on Greece and Rome. Technical, cultural and aesthetic significance of the monuments.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
prereq: ARTH 11100
3 hrs3 cr.

ARTH 25300 - Medieval Architecture (W)

GER 3/A PD/D
Major styles and buildings in West from ancient world through Middle Ages; technical, cultural and aesthetic significance.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs3 cr.

ARTH 25400 - Architecture: Renaissance to Neo-Classical (W)

GER 3/A PD/D
Architecture in West from Renaissance through the 19th century; baroque, rococo and neoclassical styles.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs3 cr.

ARTH 25500 - Twentieth-Century Architecture (W)

GER 3/A PD/D
Architecture since 1850; leading architects' works; history of structural theory as it relates to architectural form and new building types.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs3 cr.

ARTH 26000 - Islamic Art (W)

GER 3/A PD/A
Art and architecture of Islamic world from 7th to 17th century, covering both East and West.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs3 cr.

ARTH 26200 - Indian and Southeast Asian Art (W)

GER 3/A
Emphasis on Hindu and Buddhist painting, sculpture and temple architecture.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs3 cr.

ARTH 26300 - Chinese and Japanese Art (W)

GER 3/A PD/A
Chinese and Japanese art with emphasis on painting and sculpture.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs3 cr.

ARTH 27000 - Art of Africa and Oceania (W)

GER 3/A PD/A
Survey of African art; function, subjects, forms and styles of the arts in the cultural contexts.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs3 cr.
Biological Sciences

**BIOL 25000 - Current Topics in the Biosciences (W)**

GER 3/B

Seminar for non-science majors focusing on topics of current relevance such as the science of emerging diseases, bioterrorism, genetic engineering, stem cell research and global warming. Coverage includes the social, legal, political and ethical issues associated with each topic.

*Not accepted for credit toward biology Major I.*

**prereq:** ENGL 12000 or equiv, 2 sems intro lab science or equiv, or perm instr

**coreq:** ENGL 12000 or equiv, 2 sems intro lab science or equiv, or perm instr.

3 hrs3 cr.

**fall only**

Classical and Oriental Studies

Arabic Division

**ARB 25000 - The Arab Novel (in translation) (W)**

GER 2C, PD/A

A consideration of Arab novels as a source for understanding issues such as urbanization, war, imperialism, nationalism, gender, as well as the politics of translation.

**prereq:** ENG 22000 or equiv.

3 hrs3 cr.

**ARB 25200 - Literatures from the Islamic World (W)**

GER 2C, PD/A

A survey of literary genres and themes from the Islamic World from the 7th to the 15th century.

**prereq:** ENGL 12000 or equivalent

3 hrs3 credits

**ARB 25300 - Literatures and Cultures of Muslim Spain (W)**

GER 2C, PD/A

A survey of the literary and cultural history of Muslim Spain, 8th - 15th century C.E.

**prereq:** ENGL 12000 or equivalent

3 hrs3 credits

**ARB 25400 - The Arabian Nights East and West (W)**

GER 2C, PD/A

The course studies not only the stories of the Arabian Nights (1001 Nights), but also the history of the translation and adaptation of the Nights into European languages.

**prereq or coreq:** ENGL 12000 or equivalent

3 hours3 credits

Chinese Division
CHIN 25100 - Topics in Chinese Literature in English Translation (W)

GER 2/C
Including 20th-century literature, contemporary literature.
prereq: ENGL 12000
3 hrs 3 cr.

CHIN 35500 - Classical Chinese Fiction in English Translation (W)

GER 3/A PD/A
Introduction to Chinese fictional writings from early times to 19th century, e.g., Dream of the Red Chamber, Monkey, All Men Are Brothers, Romance of the Three Kingdoms.
prereq: ENGL 12000
3 hrs 3 cr.

CHIN 35700 - Chinese Poetry in English Translation (W)

GER 3/A PD/A
Major poets from the earliest times to the present day, with emphasis on the Tang period.
prereq: ENGL 12000
3 hrs 3 cr.

Classics Division

CLA 20100 - Greek Civilization (W)

GER 2/C PD/D
Ancient Greek culture: art and literature, religion, philosophy, economics, politics, education, and athletics.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 20200 - Hellenistic Civilization (W)

GER 3/A PD/D
The Mediterranean world after Alexander the Great: synthesis of Greek and oriental cultures.
prereq: ENGL 12000, CLA 20100 or 20400
3 hrs 3 cr.

CLA 20300 - Roman Civilization (W)

GER 2/C PD/D
Ancient Roman culture: art and literature, law, architecture, engineering, economics, popular culture, leisure activities.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 20400 - Introduction to Classical, Near Eastern, and Egyptian Archaeology (W)
GER 2/C
Introduction to ancient archaeology, including Greece and Rome, Mesopotamia, Egypt, Anatolia, and the Levant.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 21000 - The Greek and Roman Theatre (W)

GER 3/A
Components and functions of classical theatre: myth and ritual; mask and costume; staging and production; buildings.
prereq: ENGL 12000; CLA 20100 or 25000
3 hrs 3 cr.

CLA 22000 - Aegean Archaeology (W)

GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22100 - Greek Archaeology (W)

GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.
prereq: ENGL 12000; CLA 20400
3 hrs 3 cr.

CLA 22200 - Roman Archaeology (W)

GER 3/A PD/D
Etruscans, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery.
prereq: ENGL 12000; CLA 20400
3 hrs 3 cr.

CLA 22500 - Archaeology of Egypt (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Egypt, Giza, Thebes, Amarna; hieroglyphs, literature, tombs, religion, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22700W - Archaeology of Eastern Mediterranean

GER 3/A PD/A
Cyprus, Southern Anatolia, Phoenicia, and Palestine, especially in Bronze Age.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 25000 - Greek and Roman Tragedy (W)
GER 2/C PD/D
A study of plays of Aeschylus, Sophocles, Euripides, and Seneca in their literary, religious, and social contexts.
prereq: ENGL 12000 recom: CLA 10100
3 hrs3 cr.

CLA 25100 - Ancient Comedy (W)

GER 2/C PD/D
Aristophanes, Menander, Plautus, and Terence, with a consideration of their influence on Western comic tradition.
prereq: ENGL 12000
3 hrs3 cr.

CLA 25300 - Homer and Vergil (W)

GER 2/C PD/D
Ancient narrative song and poetry, with emphasis on the Iliad and Odyssey of Homer and the Aeneid of Vergil.
prereq: ENGL 12000 recom: CLA 10100
3 hrs3 cr.

CLA 25400 - The Ancient Novel in Translation (W)

GER 3/A PD/D
Greek and Roman prose fiction-Petronius' Satyricon, Apuleius' Golden Ass, Achilles Tatusis' Leucippe, Longus' Daphnis and Chlooe, and Heliodorus' Ethiopian Tale.
prereq: ENGL 22000 or perm instr.
3 hrs3 cr.

CLA 30200 - Comparative Backgrounds of Classical Mythology (W)

GER 3/A PD/D
Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hittite, Ugaritic, and Celtic myths.
prereq: ENGL 12000; CLA 10100
3 hrs3 cr.

CLA 30300 - Religion of Ancient Greece (W)

GER 3/A
The Ancient Greek religious experience: official rites, mystery cults, oracles, personal religious belief, and practice.
prereq: ENGL 12000, CLA 10100 or 20100
3 hrs3 cr.

CLA 30400 - Pagans and Christians (W)

GER 3/A PD/D
Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 30500 - Women and Slaves in Classical Antiquity (W)
GER 3/A PD/C or D
Women and slaves in Greek and Roman society and their influence on Western attitudes about sex and class.

*cross-listed WGS 30500 (W)*

*prereq: ENGL 12000; CLA 20100 or 20300*

*3 hrs 3 cr.*

CLA 30800 - Magic and Science in the Ancient World (W)

GER 3/A
The interaction of scientific and magical world views in Greek, Roman and Near Eastern antiquity from the invention of writing to the origins of alchemy.

*prereq: ENGL 12000; CLA 20100 or 20300*

*3 hrs 3 cr.*

CLA 31000 - Ancient Sports and Spectacles (W)

GER 3/A PD/D
An exploration of ancient Greek and Roman sports and spectacles, focusing on evidence supplied by literary texts, archaeology, and the visual arts.

*prereq: ENGL 12000; CLA 20100 or 20300*

*3 hrs 3 cr.*

CLA 32200 - Archaeology of Mesopotamia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Mesopotamia. First villages, tombs of Ur, ziggurats, palaces, tablet literature.

*prereq: ENGL 12000, CLA 20400*

*3 hrs 3 cr.*

CLA 32300 - Archaeology of Anatolia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Anatolia: Catal Huyuk, Troy, the Hittites, royal tombs of Phrygia and Lycia.

*prereq: ENGL 12000, CLA 20400*

*3 hrs 3 cr.*

Hebrew Division

HEBR 21100 - Masterpieces of Medieval Hebraic Literature in Translation (W)

GER 2/C PD/D
Selections from major works reflecting Jewish life and thought in medieval Islamic world and Christendom.

*3 hrs 3 cr.*

HEBR 21200 - Readings in Modern Hebrew Literature in Translation (W)

GER 2/C
Survey of Hebraic literature from Enlightenment movement to present.

*3 hrs 3 cr*
HEBR 21800 - Masterpieces of Yiddish Literature in Translation (W)

GER 3/A PD/D
Study of major works in Yiddish literature from Mendele Mocher Seforim to present.
prereq: ENGL 22000
3 hrs 3 cr

HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)

GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.
3 hrs 3 cr

Russian Division

RUSS 25000 - 19th Century Russian Literature in English Translation (W)

GER 2/C PD/D
Pushkin's Eugene Onegin, Lermontov's Hero of Our Time, Gogol's Dead Souls, Turgenev's Fathers and Sons and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25100 - Tolstoy and Dostoevsky in English Translation (W)

GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Dostoevsky's The Brothers Karamazov and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25200 - Modern Russian Literature in English Translation (W)

GER 2/C PD/D
Gorky, Mayakovskiy, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25300 - Russian Theater in English Translation (W)

GER 2/C PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Chekhov, Pushkin, Gogol and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25400 - The Silver Age of Russian Literature in English Translation (W)

GER 2/C PD/D
Major writers and movements of the years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova,
Pasternak.

**RUSS 25500 - Russian Folklore, in Translation (W)**

GER 2/C PD/D  
Common Slavic myths and traditions.  
*prereq: ENGL 12000*  
*3 hrs 3 cr.*

**RUSS 26000 - Russian Women Writers in English Translation (W)**

GER 3/A PD/C  
cross-listed WGS 26000 (W)  
*prereq: ENGL 12000*  
*3 hrs 3 cr.*

**RUSS 27000 - Soviet and Post-Soviet Cinema and Society (W)**

GER 2/C  
Exploration of how Soviet cinema affected the cultural aesthetic sensibilities of the Russian people through its influence on Russian literature, theater and painting. Analysis of works of film directors, film theoreticians, writers, theatrical directors and artists.  
*3 hrs 3 cr.*

**RUSS 29400 - Folklore and Literature (W)**

GER 3/A PD/D  
Students will be introduced to basic concepts of literature and folklore to increase, through a comparative study, their understanding and appreciation of both art forms. Works in English of major Russian writers such as Pushkin, Gogol and Pilnyak will be read in juxtaposition with folklore genres in search of how literary texts mirror folklore subjects. European, African and South American literature and folklore will be introduced or comparative purposes.  
*prereq: ENGL 12000*  
*3 hrs 3 cr.*

**RUSS 29600 - Vladimir Nabokov Between Two Cultures**

GER 3/A  
Nabokov as a bilingual writer, including major works originally written in Russian and in English: Priglashenie na kazn' (Invitation to a Beheading); Dar (The Gift); Drugie Berega (Other Shores); Speak, Memory; Pnin; Lolita and Pale Fire.  
*prereq: ENGL 22000 or perm dept.*  
*3 hrs 3 cr.*

**RUSS 29700 - The Russian Urban Novel in English Translation (W)**

GER 3/A  
The interaction of a theme (the city) and a genre (the novel). Crime and Punishment, The Master and Margarita, We
and others in their comparative context.

**prereq:** ENGL 22000 or perm dept.

3 hrs 3 cr.

## Educational Foundations

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool- community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

3 hrs 3 cr.

## English

**ENGL 25500 - Topics in Non-European Literary Traditions (W)**

GER 3/A PD/A

Each course examines literature written in the English language by writers in non-European traditions. May be repeated once for credit with a different topic.

**prereq:** ENGL 22000

3 hrs 3 cr.

**ENGL 25600 - Topics in Literature by Non-European Americans (W)**

GER 3/A PD/B

Each course is an examination of one or more of the following groups: African Americans, Asian Americans, Latino Americans, Native Americans and Caribbean Americans. May be repeated once for credit with a different topic.

**prereq:** ENGL 22000

3 hrs 3 cr.

**ENGL 25800 - Topics in Literature by Women (W)**

GER 3/A PD/C

Selected works by women written in English will be studied with emphasis on the diversity of women's lives and the effect of gender on experience. May be repeated once for credit with a different topic.

*cross-listed* WGS 25800 (W)

**prereq:** ENGL 22000

3 hrs 3 cr.

**ENGL 30200 - Introduction to Literary Analysis (W)**

GER 3/A

Study of selected authors, works, genres, or time periods emphasizing various modes of critical analysis and methods of research.

**prereq:** ENGL 22000

3 hrs 3 cr.

**ENGL 30600 - Literary Theory (W)**
GER 3/A
Major theories of literature, with emphasis on contemporary trends.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 31700 - Advanced Topics in Non-European Literary Traditions (W)

GER 3/A PD/A
Each course is an advanced examination of literature written in the English language by writers in non-European traditions. May be repeated once for credit with a different topic.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 31800 - Advanced Topics in Literature of Non-European Americans (W)

GER 3/A PD/B
Each course is an advanced examination of one or more of the following groups: African Americans, Asian Americans, Latino Americans, Native Americans and Caribbean Americans. May be repeated once for credit with a different topic.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 31900 - Advanced Topics in Literature by Women (W)

GER 3/A PD/C
Selected works by women in a selected theme, technique, genre, theoretical issue, or cultural consideration. May be repeated once for credit with another topic.

cross-listed WGS 31900
prereq: ENGL 22000
3 hrs3 cr.

ENGL 32000 - Multi-Ethnic American Literature (W)

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 32500 - Post-Colonial Literature in English (W)

GER 3/A
A study of post-colonial narratives written in English by writers from a number of different countries or regions, including India, the Caribbean, Egypt, Africa and Pakistan.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 32700 - Studies in Caribbean Literature (W)

GER 3/A PD/A
Selected works by Caribbean writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
ENGL 32900 - Special Topics in Cross-Cultural Literature in English (W)

GER 3/A
Selected works by authors of cross-cultural world literature in English will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.

ENGL 33200 - History of the English Language (W)

Development of English from earliest records to the present. Spread of English across the globe. Effects on English of contacts with other languages. Satisfies linguistics but not literature requirements.

ENGL 35500 - Selected Studies in Shakespeare (W)

GER 3/A
Topics vary from semester to semester.

ENGL 37300 - Victorian Literature (W)

GER 3/A PD/D
Study of such authors as Tennyson, Browning, Arnold, the Rossettis, Swinburne, Carlyle, Ruskin and Newman.

ENGL 38900 - One Major Writer (W)

GER 3/A PD/C or D
Authors vary from semester to semester. May be taken more than once with permission of dept. Some authors may satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.

ENGL 39000 - Topics in 20th Century Literature (W)

GER 3/A
Selected works from the 20th century originally written in English will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)

GER 3/A
An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.

*prereq: ENGL 22000
3 hrs 3 cr.

Film and Media Studies

FILMP 27600 - Screen Writing I - The Short (W)

The Short Fundamentals of writing for film; critiques of original student scripts.

*prereq: FILM 10100 and ENGL 12000; open to film/media majors only or perm instr.
4 hrs 3 cr.

FILMP 37700 - Screen Writing II The Feature (W)

Continuation of workshop experience with emphasis on full-length screenplay.

*Except as otherwise noted, ENGL 12000 is pre requisite for all 300- and 400-level courses in FILM.

*prereq: FILM 27600
4 hrs 3 cr.

MEDIA 31400 - Public Relations: Theory and Practice (W)

GER 3/A
An examination of principal techniques and strategies in public relations, including critical analysis of its social uses.

*MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.

*prereq: MEDP 29200
3 hrs 3 cr.

MEDIA 37300 - Journalism as Literature

GER 3/A
An examination of the relationships between journalism and literature, including literary journalism, the journalistic prose of major imaginative writers, and the stylistic characteristics of hard news reporting.

*prereq: MEDIA 18000
3 hrs 3 cr.

MEDP 23900 - Entertainment Journalism (W)

Development of practical, theoretical, and rhetorical skills for writing reviews and feature stories about entertainment and the arts.

*prereq: MEDP 29200
3 hrs 3 cr.

MEDP 29000 - Developing the Documentary (W)

This workshop guides students through the research, writing and production planning essential for eating a video or film documentary.
prereq: MEDIA 18000
3 hrs 3 cr.

MEDP 29200 - Basic Reporting (W)

Workshop and discussion to provide basic skills of newspaper writing.

prereq: MEDIA 18000
3 hrs 3 cr.

MEDP 29300 - Advanced Reporting (W)

Intermediate course to advance skills in writing and reporting.

prereq: MEDP 29200
3 hrs 3 cr.

MEDP 29400 - Magazine Writing (W)

This course prepares students for publishing articles in magazines, feature sections of newspapers and online Internet publications by developing writing portfolios and studying the workings of the publishing industry.

prereq: MEDP 29200
3 hrs 3 cr.

MEDP 29600 - Feature Writing (W)

A course on advanced feature writing media taught periodically, with topic listed in Schedule of Classes.

prereq: MEDP 29200
3 hrs 3 cr

MEDP 37200 - Investigative Reporting (W)

Understanding and practicing journalism that explores significant social issues and injustices, using diverse sources developed through the enterprise of the reporter.

prereq: MEDP 29200
3 hrs 3 cr.

MEDP 37700 - Neighborhood News (W)

An advanced reporting and writing class that will produce a community newspaper and on-line news outlet serving underserved neighborhoods. This class may be repeated once for credit.

prereq: MEDP 29200 or permission of instructor
3 hrs 3 cr.

German

GERMN 24000 - German Thought and Culture: A Survey (W)
GER 2/C PD/D  
Discussion of the German contribution in the fields of art, literature, music, philosophy in historical perspective.  
(Conducted in English) Note: No knowledge of German required.  
prereq or coreq: ENGL 12000  
3 hrs 3 cr.  

GERMN 24100 - German Fairy Tales in Translation (W)  
GER 2/C PD/D  
Reading and discussion of traditional and literary fairy tales of Germany. cross-cultural comparison of various fairy-story traditions; development of motifs through various ages and cultures.  
(Conducted in English) Note: No knowledge of German required.  
prereq or coreq: ENGL 12000  
3 hrs 3 cr.  
*No “W” designation when offered in Winter Session  

History  

HIST 12200 - 19th and 20th Century Europe (W)  
GER 2/B PD/D  
Scientific and industrial revolutions, liberalism, imperialism, socialism and fascism, total war, reconstruction.  
Courses at the 300-level and above not offered to freshmen.  
prereq or coreq: ENGL 12000  
3 hrs 3 cr.  

HIST 15100 - The United States from the Colonial Era to the Civil War (W)  
GER 1/C or 2/B  
American political, social and cultural history from the time of the European settlements to the Civil War.  
Courses at the 300-level and above not offered to freshmen.  
prereq or coreq: ENGL 12000  
3 hrs 3 cr.  

HIST 15200 - The United States from the Civil War Era to the Present (W)  
GER 1/C or 2/B  
American political, social and cultural history from the Civil War to the present.  
Courses at the 300-level and above not offered to freshmen.  
prereq or coreq: ENGL 12000  
3 hrs 3 cr.  

HIST 21100 - Medieval Civilization (W)  
PD/D  
Social, institutional and cultural history of Western Europe from the late Roman period to the Black Death in the mid-14th century.  
Courses at the 300-level and above not offered to freshmen.  
prereq or coreq: ENGL 120  
3 hrs 3 cr.
HIST 30000 - Historical Research (W)

GER 3/B
Closely supervised work on an individual basis in planning, preparing and writing a history research paper. The course will be taken in connection with a 300-level course, with permission of that instructor. Two HIST 300 courses are required of a history major.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
1.5 hrs1.5 cr.

HIST 31400 - Ancient and Medieval Christianity (W)

GER 3/B PD/D
The development of Christianity from Jesus to Luther; theology and mysticism, lay and monastic spirituality; the papacy and dissidents; gender and sexuality; relations with Judaism and Islam.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 31800 - History of the American Working Class (W)

GER 3/B PD/D
History of the American working class from Colonial times to the present; changing work experience, community life, organizational efforts and political activity of working people.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 31900 - Jewish History in the Medieval and Early Modern Periods (W)

GER 3/B PD/A
The Jewish people from late antiquity to the 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 32000 - Jewish History in the Modern World (W)

GER 3/B PD/D
From the 18th century to the present: Enlightenment, Jewish emancipation and nationalism, a Jewish state; anti-Semitism and the Holocaust; recent trends.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 32400 - Europe in the Age of Renaissance and Reformation (W)

GER 3/B PD/D
European life and society in early modern era. Religious, political, economic and social change.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 33100 - European Culture in the 16th, 17th and 18th Centuries (W)

GER 3/B
The impact of the Reformation, Counter-Reformation, the Scientific Revolution and related movements.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 33800 - History of Italy (W)

GER 3/B PD/D
Classical to Renaissance background. Catholic Reformation, foreign domination, Risorgimento to Fascism, post-World War II era.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 35400 - The American Colonies in the 17th Century (W)

GER 3/B
Comparative treatment of settlement in the Spanish, Portuguese, French, Dutch and English colonies.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 35500 - The American Colonies in the 18th Century (W)

GER 3/B
Social, political and cultural changes.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 35700 - American-Jewish History (W)

GER 3/B PD/D
Development of the American Jewish community; economic, political and social integration; cultural adaptation.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 35800 - 20th Century United States (W)

GER 3/B PD/D
Leading personalities and domestic problems of the U.S. Since 1900.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.
HIST 37300 - History of the Ottoman Empire (W)

GER 3/B PD/A
This course comprises, chronologically and thematically, the history of the Ottoman Empire from the Turkic migrations in the 12th-century to the end of the empire in 1923 and the rise of nationalism in the Middle East. Fundamental knowledge of the history of the Middle East is recommended.

prereq: ENGL 12000
3 hrs3 cr.

HIST 38300 - Problems in U.S. History (W)

GER 3/B
Intensive reading and research in selected topics.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 38400 - Problems in European History (W)

GER 3/B
Intensive reading and research in selected topics.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

Humanities Interdisciplinary

HUM 11000 - Map of Knowledge (W)

GER 2/C
Introduction to range of knowledge available in the curriculum. Discusses subject matter and methodology of various disciplines as well as their relations within and across the curriculum to aid students in making intelligent choices in their course of study.
3 hrs3 cr.

Human Rights

HR 20000 - Introduction to Human Rights: History, Discourse, Practice (W)

GER 3/B PD/D
An introduction to the study of human rights. It explores the historical, philosophical, and legal roots of human rights as a political idea and institutionalized practice. It also addressed the contested nature of human rights as an idea and practice in contemporary societies. In addition to providing an introduction to the subject, the course is a requirement for students minoring in Human Rights or pursuing a Human Rights Certificate.

In order to pursue a Human Rights minor or Certificate, a student must receive at least a B (3.0) in this course.
Students should take this introductory course in their sophomore year but must take it no later than the first semester of their junior year.
This is a writing intensive course.
prereq: ENGL 12000 or equivalent; one course in ethics, political philosophy, political theory, sociological theory, or permission from the instructors.
3 hrs 3 cr.
fall and spring

HR 26000 - Human Rights Internship Seminar (W)

This course critically evaluates the role of human rights organizations and human rights practices in determining the meaning and value of human rights.
prereq: ENGL 12000 and HR 20000
prereq or coreq: HR 25000
3 hrs 3 cr.
Offered spring 2012; not offered fall 2011

HR 35000 - Human Rights Capstone Seminar (W)

This course involves the theoretical examination of constitutive problems in the discourse and practice of human rights, especially as they would inform the composition of a human rights academic research project. It requires participating students to present their research projects in the seminar and to compose a 20-25 page research paper on a human rights topic.

This course is specifically designed for students who are pursuing a Certificate in Human Rights.

This is a writing intensive course.
prereq or coreq: HR 26000
Offered spring 2012; not offered fall 2011

Macaulay Honors College (a/o fall 2001)

MHC 10000 - MHC Seminar 1, The Arts in New York City (W)

Fulfills GER 2D, Visual and Performing Arts: Media, Art, Dance, Film, Music, Theatre
prereq: Open to Macaulay Honors College students only
3 hours 3 credits

MHC 15000 - MHC Seminar 2: Peopling of New York (W)

Macaulay Honors College
Fulfills GER 2B, Social Science: People and Their Societies.
prereq: Open only to Macaulay Honors College students.
3 hours 3 credits

MHC 20000 - MHC Seminar 3: Science and Technology (W)

Macaulay Honors College only
Fulfills GER 3B, Social Science or Natural Science/Mathematics
prereq: Macaulay Honors College only. ENGL 12000; MHC 15000 or its equivalent at another CUNY Honors College campus
3 hours 3 credits
**MHC 25000 - MHC Seminar 4: Shaping the Future of New York City (W)**

Macaulay Honors College
Fulfills GER 2B, Social Science: People and their Societies
*prereq: Open only to Macaulay Honors College students.*
3 hours 3 credits

**Mathematics and Statistics**

**MATH 26100 - Mathematics in Human History (W)**

GER 2/B
A historical treatment of themes in mathematics, probability and statistics, with applications in the arts and sciences. Roots of mathematics in non-Western cultures and contributions of women and minorities are included.
*prereq: ENGL 12000, college-level mathematics course beyond MATH 10100
3 hrs 3 cr.*

**MATH 37600W - Philosophy of Mathematics**

GER 3/B
Study of such issues as the nature of demonstration or proof and the nature of mathematical knowledge and mathematical objects such as numbers and sets. Cross-listed as PHIL 37600.
*cross-listed PHIL 37600
prereq: ENGL 12000; PHIL 10100, MATH 27500
3 hrs 3 cr.*

**Music**

**MUSHL 20600 - Music History II (W)**

PD/D
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600 to 1800.
*prereq: MUSHL 20100, 20500, ENGL 12000*prereq or coreq: MUSTH 22100, 23100
3 hrs 3 cr.
*offered spring

**MUSHL 21000 - Music for the Piano (W)**

GER 3/A PD/D
Piano literature from the 18th century to the present.
*prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20000, MUSTH 10100, or perm instr.
3 hrs 3 cr.*

**MUSHL 21200 - Masterpieces of Opera (W)**

GER 3/A PD/D
Study of operatic styles of such composers as Mozart, Verdi, and Wagner.
*prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.*
MUSHL 21700 - History of Jazz (W)

GER 3/A PD/B
Survey of jazz from its origins to the present.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 22100 - Black Music in the Americas (W)

GER 3/A PD/B
The origins, history, and evolutionary progression of Black music in the Americas; shared musical practices and resources in the multicultural matrix of the United States in particular and the hemisphere in general.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 23100 - Folk and Traditional Music (W)

GER 3/A
Study of ethnic music of selected cultures.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 24000 - Music of the Caribbean and Latin America (W)

GER 3/A PD/A
Origin and development of Caribbean and Latin American musical styles and their impact on the United States and other parts of the world.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 101, or perm instr.
3 hrs 3 cr.

MUSHL 24100 - Music of Asia (W)

GER 3/A PD/A
Music and its relationship to dance and drama in the major civilizations of East Asia, Southeast Asia, South Asia, Central Asia, and the Middle East.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 24500 - Music of Africa (W)

GER 3/A PD/A
Introduction to traditional and popular African music and performance practices. Theoretical and methodological issues as defined by ethnomusicology.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 25000 - Women and Music (W)

GER 3/A PD/C
An ethnomusicological study of women and music in cross-cultural perspective.
cross-listed WGS 25000 (W)
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, WGS 10000, or perm. Instr.
3 hrs3 cr.

**MUSHL 25200 - Film Music (W)**

GER 3/A
Introduction to the history, aesthetic, form and techniques of film music, for everyone interested in film or film music, from the casual viewer of television movies and videotapes to film and music majors.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.

**MUSHL 26100 - Special Topics in History and Literature of Music (W)**

GER 3/A PD/A or B or C
Study of works illustrating one specific genre, style, or period. Topics to be announced. May be taken 6 times. Depending on topic, may satisfy PD.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.

**MUSHL 30500 - Music History III (W)**

PD/D
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.
prereq: MUSHL 20600, MUSTH 22100, 23100
3 hrs3 cr.
offered fall

**MUSHL 30600 - Music History IV (W)**

PD/D
Central issues in the history of European music, such as the role of patronage in musical culture, relationships of musical style to instruments and performing ensembles, and the impact of historical consciousness on contemporary musical life.
prereq: MUSHL 30500
3 hrs3 cr.
offered spring

**MUSHL 35200 - Introduction to Ethnomusicology I (W)**

PD/A
prereq: MUSTH 22100, 23100 or perm instr; ENGL 12000
3 hrs3 cr.

**MUSHL 35300 - Introduction to Ethnomusicology II (W)**

PD/A
Survey of musical traditions of North Africa, the Middle East, Oceania, and South and East Asia.
prereq: MUSTH 22100, 23100 or perm instr; ENGL 12000
3 hrs3 cr.
MUSHL 36100 - Special Topics in History and Literature of Music (W)

Specialized study of selected genre, locality, period, style, composer, or problem. Topics to be announced. May be taken 6 times.
prereq: ENGL 12000, variable music courses
3 hrs3 cr.

Philosophy

PHILO 20100 - Knowledge and Reality (W)

GER 3/A PD/D
Study of main problems of theory of knowledge and metaphysics such as personal identity, grounds of justified belief, existence of God, nature of free will and causality.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21400 - Medieval Philosophy (W)

GER 3/A PD/D
Study of major writings by medieval Arabic, Christian and Jewish philosophers such as Averroes, Aquinas and Maimonides.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21800 - Revolutions in Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 22000 - Radical Philosophy (W)
GER 3/A PD/D
Study of 20th-century philosophers who were critical of industrial capitalist society, such as Lukes and Marcuse, along with their historical precursors, including Rousseau and Marx.
\textit{prereq: ENGL 12000 and one previous course in philosophy.}
3 hrs 3 cr.

**PHILO 22300 - Neoplatonism (W)**

GER 3/A PD/D
A study of the main thinkers and ideas in ancient and medieval Neoplatonism, emphasizing Plotinus and Augustine.
\textit{prereq: ENGL 12000 and one previous course in philosophy.}
3 hrs 3 cr.

**PHILO 22500 - American Philosophy (W)**

GER 3/A PD/D
Historical survey of major American philosophers such as Edwards, Emerson, Thoreau, Peirce, James, Royce, Santayana and Dewey.
\textit{prereq: ENGL 12000 and one previous course in philosophy.}
3 hrs 3 cr.

**PHILO 22600 - African-American Philosophy (W)**

GER 3/A PD/B
Development of the African-American intellectual tradition. Study of the work of such figures as Equiano, Douglass, Cooper, Blyden, Du Bois and Hurston.
\textit{prereq: ENGL 12000 and one previous course in philosophy.}
3 hrs 3 cr.

**PHILO 22800 - Existentialism (W)**

GER 3/A PD/D
Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.
\textit{prereq: ENGL 12000 and one previous course in philosophy.}
3 hrs 3 cr.

**PHILO 23000 - Feminism: Philosophical Theory and Practice (W)**

GER 3/A PD/C
Analyses of feminist theories and their practical implications.
\textit{cross-listed WGS 23000 (W)}
\textit{prereq: ENGL 12000 and one previous course in philosophy.}
3 hrs 3 cr.

**PHILO 24400 - Moral Philosophy (W)**

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
\textit{prereq: ENGL 12000 and one previous course in philosophy.}
3 hrs 3 cr.
**PHILO 24600 - Political Philosophy (W)**

GER 3/B  
Study of selected philosophical problems in politics, law, economics and society.  
*prereq: ENGL 12000 and one previous course in philosophy.*  
3 hrs 3 cr.

**PHILO 24800 - International Ethics (W)**

GER 3/B  
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.  
*prereq: ENGL 12000 and one previous course in philosophy.*  
3 hrs 3 cr.

**PHILO 25000 - Problems of Ethics and Society (W)**

GER 3/B  
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.  
*prereq: ENGL 12000 and one previous course in philosophy.*  
3 hrs 3 cr.

**PHILO 25400 - Ethical Issues in Biology and Medical Care (W)**

GER 3/B  
Treats issues such as abortion, euthanasia, extraordinary means, confidentiality, human experimentation, genetic control and allocation of limited life-saving therapy.  
*prereq: ENGL 12000 and one previous course in philosophy.*  
3 hrs 3 cr.

**PHILO 25600 - Philosophical Ideas in Literature (W)**

GER 3/A  
Analysis of major philosophical themes in some classics of world literature.  
*prereq: ENGL 12000 and one previous course in philosophy.*  
3 hrs 3 cr.

**PHILO 25800 - Aesthetics (W)**

GER 3/A  
Study of philosophical issues that arise in our understanding and criticism of the arts. Topics include nature of expression, purpose and standards of criticism and aesthetic value.  
*prereq: ENGL 12000 and one previous course in philosophy.*  
3 hrs 3 cr.

**PHILO 26200 - Philosophy of Religion (W)**

GER 3/A  
Philosophical examination of some religious questions and beliefs.
**PHILO 26800 - Philosophical Psychology (W)**

GER 3/B
Views of human nature underlying some major contemporary schools of psychology, such as Freudian psychoanalysis, behaviorism, existential psychoanalysis, Piaget's developmental psychology.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

**PHILO 27000W - Philosophy, Science and Culture**

GER 3/B
Issues relating to the impact of modern science on philosophy, religion and culture.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

**PHILO 32000 - Twentieth-Century Philosophy (W)**

GER 3/A
Survey of such movements as pragmatism, process philosophy, analytic philosophy, existentialism, phenomenology, feminism and post modernism through consideration of such representative figures as Dewey, Moore, Whitehead, Russell, Husserl, Heidegger, Wittgenstein, Ayer, Sartre, De Beauvoir, Quine, Rorty and Rawls.
*prereq: Two courses in philosophy, at least one of which is at the 200 level.*
3 hrs 3 cr.

**PHILO 34400 - Ethics in Contemporary Life (W)**

GER 3/A
A study of concepts of ethics developed in the 20th century and their relevance to problems of contemporary life, such as personal development, social responsibility, and cultural difference.
3 hrs 3 cr.

**PHILO 34600 - Justice in Contemporary Society (W)**

GER 3/B
A study of concepts of justice developed in the 20th century and their relevance to problems of contemporary society, such as social welfare, property rights and democratic government.
3 hrs 3 cr.

**PHILO 37600 - Philosophy of Mathematics (W)**

GER 3/B
Study of such issues as the nature of demonstration or proof and the nature of mathematical knowledge and mathematical objects such as numbers and sets. cross-listed with MATH 376.
*prereq: ENGL 12000; one PHIL course and one PHIL or MATH course (precalculus or beyond)*
3 hrs 3 cr.
PHILO 37900 - Philosophy of Science (W)

GER 3/B
Study of foundations of knowledge in natural and social sciences.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38000 - Plato (W)

GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs4 cr

PHILO 38100 - Aristotle (W)

GER 3/A
Close study of Aristotle's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38200 - Major Figure in Medieval Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the Middle Ages such as Augustine, Averroes, Maimonides, or Aquinas. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38400 - Kant (W)

GER 3/A
A study of some of Kant's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38500 - Plotinus (W)

GER 3/A
A study of the background, writings and legacy of Plotinus.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38600 - Hegel (W)

GER 3/A
Study of some of Hegel's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38700 - Nietzsche (W)

GER 3/A
Study of Nietzsche's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38800 - Wittgenstein (W)

GER 3/A
Development of Wittgenstein's thought through intensive study of his major works.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38900 - Heidegger (W)

GER 3/A
Detailed study of the central themes in Being and Time and their development in his later essays.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 39000 - Marx (W)

GER 3/A
Study of some of Marx's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

Physics and Astronomy

Political Science

POLSC 10000 - Introduction to Politics: Democracy, Anarchy and the State (W)

GER 2/B
Introduction to some of the major questions, approaches, and texts of political science. Students will explore questions of power, coercion, virtue, democracy, conflict, and cooperation and read Plato, Aristotle, Weber, Lipset, Waltz, and Jervis, among others. Does not satisfy the major’s four subfield distribution requirement.
prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 11000 - American Government: A Historical Introduction (W)

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20000 - Interpreting Politics: An Introduction to Political Ideas (W)

GER 2/B or 3/B
An introduction to interpreting major political ideas and their significance in the contemporary world. Competing understandings of concepts such as freedom, equality, justice, citizenship, and legitimacy will be explored, in part by applying them to concrete political issues such as multiculturalism, economic distribution, and the death penalty.

prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20100 - Ancient to Early Modern Political Thought (W)

GER 3/B PD/D
The study of selected writers from the ancient Greeks to the Renaissance (e.g., Plato to Machiavelli), focusing on the political dimensions of such ideas as rationality, virtue, community, human nature and historical change.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20200 - Modern Political Thought (1600-1900) (W)

GER 3/B PD/D
The study of selected political writers (e.g., Hobbes to Nietzsche), with special emphasis given to the nature of and problems with, liberty, equality and justice in modern societies and states.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20300 - Political Thought Since 1900 (W)

GER 3/B PD/D
Exploration of concepts and thinkers in political theory since 1900. Topics include such traditional issues of political theory as the nature and scope of political regimes, justice, equality and changing concepts of human nature.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20600 - Research Design in Political Science (W)
POLSC 20700 - Data Analysis in Political Science (W)

GER 3/B
Computer applications and statistical analysis in political science. Students write a quantitative term paper. Uses Social Science Data Lab.
prereq: POLSC 20600 or perm instr.
3 hrs3 cr.

POLSC 20900 - Women and Gender in Western Political Thought (W)

GER 3/B PD/C or D
Examines history of political thought from the perspective of gender relations and the treatment of women.
cross-listed WGS 20900 (W)
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 21100 - State Government and Politics (W)

GER 3/B
Comparative analysis of state governments. Power and role of governors, state legislatures, parties, lobbies.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 21200 - Urban Politics (W)

GER 3/B
Politics in New York City and other urban areas. Decentralization, suburbanization, race, ethnicity, reform.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 21500 - Public Opinion and Political Participation (W)

GER 3/B
What American people think about politics and how they express it, from polls to elections to demonstrations.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 21800 - Women and Politics (W)

GER 3/B PD/C
Constitutional and legal position of women, ERA, affirmative action, marriage, divorce, property, feminist causes.
cross-listed WGS 21800 (W)
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.
POLSC 21900 - Women and the Law (W)

GER 3/B PD/C
Overview of how local, state and federal laws treat people on the basis of sex.
cross-listed WGS 21900
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 22100 - U.S. Immigration Policy (W)

GER 3/B PD/B & C
The course focuses on the political development of federal immigration policy, and on historical and contemporary issues in policy design and implementation. The course also surveys recent findings and debates arising from empirical analyses of immigration policy.
prereq: ENGL 12000 or its equivalent and POLSC 11000/11100 or HIST 15100/15200
3 hrs3 cr.

POLSC 23000 - The American Presidency (W)

GER 3/B
Selection, election, role, functions and powers of the president.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 23500 - The American Congress (W)

GER 3/B
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 24000 - The American Judiciary (W)

GER 3/B
The Supreme Court and other federal courts as part of policy-making process in American government.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 24400 - Energy and Environmental Politics and Public Policy (W)

GER 3/B
Examination of political processes and public policies shaping energy production and consumption in the U.S. with comparative reference to other countries. Emphasis on political, economic, social, environmental and foreign policy aspects.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 25100 - Politics of Africa, Asia and Latin America (W)
An examination of the nature of governance and politics in Africa, Asia and Latin America. Through in-depth study of several countries, students explore topics and concepts such as political culture, modernization, development, dependency, democracy, political leadership and the processes of policy making.

*prereq: ENGL 12000 or its equivalent
3 hrs3 cr.*

**POLSC 25200 - Government and Politics in the Caribbean (W)**

**GER 3/B PD/A**
Colonial heritage and American presence. Political institutions, cultural diversity and economic dependency.

*prereq: ENGL 12000 or its equivalent
3 hrs3 cr.*

**POLSC 25300 - Government and Politics in Latin America (W)**

**GER 3/B PD/A**
Ideology, revolution, authoritarianism, democracy, institutions, class structure, distribution of wealth and power, political and economic development.

cross-listed LACS 43405

*prereq: ENGL 12000 or its equivalent
3 hrs3 cr.*

**POLSC 25400 - Government and Politics in Western Europe (W)**

**GER 3/B PD/D**
Theory, practice, institutions and problems of Western European nations particularly Britain, France and Germany.

*prereq: ENGL 12000 or its equivalent
3 hrs3 cr.*

**POLSC 25500 - Government and Politics of Japan and Korea (W)**

**GER 3/B PD/A**
Political, social and economic institutions of Japan and Korea; their domestic politics and relations with the world.

*prereq: ENGL 12000 or its equivalent
3 hrs3 cr.*

**POLSC 25600 - Government and Politics in South and Southeast Asia (W)**

**GER 3/B PD/A**
Political, economic and social institutions of India, Cambodia, Vietnam, Indonesia, Thailand, etc.

*prereq: ENGL 12000 or its equivalent
3 hrs3 cr.*

**POLSC 25700 - Government and Politics of China (W)**

**GER 3/B PD/A**
Chinese politics, institutions and foreign policy.

*prereq: ENGL 12000 or its equivalent
3 hrs3 cr.*
POLSC 26000 - African Politics through African Films (W)

GER 3/B PD/A
An examination of contemporary African politics using various social science theories, films and documentaries made by African filmmakers.

cross-listed AFPRL 29019, MEDIA 29975, FILM 21462
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26200 - Government and Politics in Central America (W)

GER 3/B PD/A
Political institutions, ideology, class and ethnic structure, economic development, distribution of wealth and power, foreign influences and revolutionary and evolutionary roads to modernization.

cross-listed LACS 43429
prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26300 - Government and Politics in the Middle East (W)

GER 3/B PD/A
Introduction to Islamic societies and their politics with particular attention to cultures of region.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26400 - Government and Politics of Israel (W)

GER 3/B
Historic evolution of the Jewish state and its political system, social issues and foreign policy.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26500 - Government and Politics in Eastern Europe (W)

GER 3/B PD/D
Political, social and economic institutions of individual Eastern Central European nations and their post-communist transitions.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26700 - The Politics of Southern Africa (W)

GER 3/B PD/A
Political, economic and social institutions in Zimbabwe, Kenya, Nigeria, Tanzania, South Africa, etc.

cross-listed AFPRL 29015
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.
POLSC 26900 - Governments and Politics of Northern Africa (W)

GER 3/B
Political, economic and social institutions in Algeria, Tunisia, Morocco, Libya, etc.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 27000 - International Relations: Conceptual Foundations and Current Issues (W)

GER 3/B
Examines the conceptual foundations of international relations and their application to current issues. Topics include: anarchy, power, war and peace, international cooperation, the role of the state and non-state actors, international institutions, norms and human rights, and the global economy.

Students may not take both POLSC 11500 and POLSC 27000 at Hunter College for credit. (Transfer students may receive only 100 level credit for a course equivalent to POLSC 11500 after Spring 2010, when POLSC 27000 becomes the prerequisite for most advanced courses in international relations.)
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 27100 - International Politics in the Americas (W)

GER 3/B PD/A
Dynamics of US relations with Latin American countries from the colonial era through the Cold War to the present, and of relations of Latin American countries with each other and with extra-hemispheric nations.
cross-listed LACS 43432
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 27400 - American Foreign Policy (W)

GER 3/B
Personalities and processes in making, administering and controlling our foreign policy.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 27500 - Politics of the Global Economy (W)

GER 3/B
Introduction to International Political Economy (IPE). Examines the dynamic interaction between politics and economics across national borders, including the politics of trade, development, finance, varieties of capitalism, globalization and environmental protection. Not open to students who have taken POLSC 37600.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 27600 - International Relations of the Third World (W)

GER 3/B PD/A
Analysis of the role played by Third World states in international arena, examining relations of developing nations with
advanced industrialized states, socialist states and other developing nations.

*prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.*

**POLSC 27800 - International Organizations (W)**

GER 3/B
Powers, functions and effectiveness of international institutions; emphasis on United Nations and regional organizations.

*prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.*

**POLSC 28000 - Women, War and Peace (W)**

GER 3/B PD/C
The course examines the roles that women have played as subjects and objects in war and peace.

*cross-listed* WGS 26200 (W)

*prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.*

**POLSC 28100 - Drugs, Politics and Public Policy (W)**

GER 3/B
Examination of public policies addressing drug use and abuse in the United States and other countries with emphasis on political and cultural determinants, economic and market factors, constitutional implications and United States foreign policy.

*prereq: ENGL 12000
3 hrs 3 cr.*

**POLSC 28200 - International Security (W)**

GER 3/B
An introduction to basic concepts and problems in the area of international security, this course will explore explanations for some of the central causes of security/insecurity and peace/war, as well as examine select contemporary security issues.

*prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.*

**POLSC 30100 - American Political Thought (W)**

GER 3/B
Examination of ideas that have shaped American politics from the Revolution to the present, including Federalists and Anti-Federalists, Progressivism and responses to industrialization and recent debates over the welfare state, political inclusion and democracy.

*prereq: ENGL 12000 or its equivalent; one course in political theory or perm. instr.
3 hrs 3 cr.*

**POLSC 30500 - Democratic Theory (W)**

GER 3/B
A critical survey of different conceptions of democracy: issues include democracy as a political order, democracy and
'non-political' forms of life (e.g., business, family, religion), tolerance, political representation, democracy and justice.

prereq or coreq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs3 cr.

**POLSC 30900 - Feminist Political Theory (W)**

GER 3/B PD/C
Readings in feminist ideas, both historical and contemporary, on issues of power, justice and equality. The course will emphasize different perspectives, including those of liberal, radical, postmodernist, women of color, third world and 'global' feminists.
cross-listed WGS 30900 (W)
prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs3 cr.

**POLSC 31000 - Comparative Legal Systems (W)**

GER 3/B
Comparative study of major legal traditions of the modern world, including common law, civil law, Soviet, Islamic, Chinese, tribal and hybrid systems.
prereq: POLSC 11000, 23800 or 34000 or 34100 or 34300 or 37500 or any course in comparative politics subfield, or perm instr; ENGL 12000 or its equivalent
3 hrs3 cr.

**POLSC 31100 - Utopian Theory (W)**

GER 3/B
Political theorists often imagine ideal worlds, both to explore ideals and to criticize political realities. This course will explore utopias and dystopias as theories that explore political possibilities and challenge existing realities.
prereq: ENGL 12000 or its equivalent; one course in political theory or perm dept.
3 hrs3 cr.

**POLSC 31500 - Social and Economic Policies in Western Europe and the United States (W)**

GER 3/B PD/D
Evolution of social and economic policies from the 19th century to the present. Policies are analyzed in light of tensions between democracy and capitalism.
prereq: ENGL 12000 or its equivalent; any course in comparative politics, or perm instr.
3 hrs3 cr.

**POLSC 31600 - Political Theory of Human Rights (W)**

GER 3/B
A critical analysis of the intersection of academic and practical discourse of human rights with the central concerns of political theory, particularly as it engages relationships between ethics and power as well as theory and practice.
prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs3 cr.

**POLSC 32000 - Ethnic Politics (W)**
GER 3/B PD/B
Ethnicity in local and national politics. Major groups, how they affect government, what government does for them.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 32100 - American Political Economy (W)

GER 3/B
Critical analysis of the distribution of power between the state and the private sector. Theories about the government-business relationship are tested through a series of case studies.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 33000 - American Political Development (W)

GER 3/B
Analysis of the historical development of American politics, including: the impact of the Constitution, ideas, and political culture; state building/unbuilding in different historical eras; and the evolution of citizenship and political participation.
prereq: ENGL 12000 or its equivalent, POLSC 11000 or perm. inst
4 hrs4 cr.

POLSC 34000 - Constitutional Law: Organizing the Government (W)

GER 3/B
Constitutional problems and Supreme Court decisions. Federalism, judicial review, separation of powers, foreign policy.
prereq: POLSC 11000 or 11100 or 23800
3 hrs3 cr.

POLSC 34100 - Constitutional Law: Civil Rights (W)

GER 3/B
Constitutional problems and Supreme Court decisions regarding race and sex discrimination.
prereq: POLSC 11000 or 11100 or 23800
3 hrs3 cr.

POLSC 34200 - Constitutional Law: The First Amendment (W)

GER 3/B
Constitutional problems and Supreme Court decisions regarding freedom of speech, press (media), religion and assembly.
prereq: POLSC 11000 or 11100 or 23800
3 hrs3 cr.

POLSC 34300 - Criminal Law (W)

GER 3/B
Constitutional problems and judicial decisions regarding search and seizure, right to counsel, self incrimination.
POLSC 34800 - Public Administration and Public Policy (W)

GER 3/B
Analysis of problems in policy-making and administration, focusing on motivations, ethics, authority.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 35100 - Government and Politics of Russia and the Post-Soviet States (W)

GER 3/B
Post-Soviet politics, institutions, social forces, economic transformations and regions.

prereq: ENGL 12000 or its equivalent; any course in comparative politics, or perm. instr.
3 hrs3 cr.

POLSC 35200 - State and Society in Africa (W)

GER 3/B PD/A
An examination of the nature of the relationship between the African state and civil society in the post-independence period and how this relationship influences governance and democracy.

prereq: ENGL 12000 or its equivalent; any course in comparative politics, or perm. instr.
3 hrs3 cr.

POLSC 37400 - International Human Rights (W)

GER 3/B
An examination of the origins, substance and processes of human rights in international relations.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 37500 - International Law (W)

GER 3/B
Case studies on nature, sources, practices and efficacy of international law, principles and rules.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 37600 - International Political Economy (W)

GER 3/B
Examination of the intersection of politics and economics at the international level through a careful reading and analysis of dominant theoretical approaches and their application to central debates concerning the politics of trade, money and finance, development and globalization.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or 27500; minimum of 45 credits and 9 credits in political science or permission of the instructor.
4 hrs4 cr.
POLSC 37700 - Theories of International Politics (W)

GER 3/B
An examination of the central concepts and issues in international politics that underpin the main theoretical debates in the field.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or perm. instr.
3 hrs3 cr.

POLSC 37800 - Russian National Interest: Past and Present (W)

GER 3/B PD/D
In a contemporary, historical and comparative context, this course will explore the factors influencing debates on and definitions of Russia’s national interests, the strategies for promoting those interests and the implications for Russia and the international system.

prereq: ENGL 12000 or equivalent; POLSC 25000 or POLSC 27000 or perm instr.
3 hrs3 cr.

POLSC 37900 - War and Strategy (W)

GER 3/B
An examination of strategy and wars between states, within states, and between states and transnational groups. Focuses on how strategy affects the avoidance, outbreak, conduct, and consequences of war and the difficulty of devising strategies that successfully link political ends and military means.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or POLSC 28200); minimum of 45 credits and 9 credits in political science or permission of the instructor.
4 hrs4 cr.

POLSC 38000 - European Security (W)

GER 3/B PD/D
A theoretically informed examination of current and historical security problems in Europe, with a focus on the sources of war and peace, strategic calculations, alliances, institutions, democratization, norms, and ideological and identity conflicts. A principal aim is to establish a foundation for analyzing the prospects for a secure order in Europe in the first part of the 21st century.

prereq: ENGL 12000 or its equivalent ; POLSC 27000 or 28200); minimum of 45 credits and 9 credits in political science or permission of the instructor
4 hrs4 cr.

POLSC 38100 - East Asia in World Politics (W)

GER 3/B PD/A
An examination of sources of stability and instability in East Asia, using social science theories and historical background.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or perm instr.
3 hrs3 cr.
Psychology

PSYCH 20500 - The Profession of Psychology (W)

GER 3/B
Open to declared majors only. Introduction to and critical analysis of the profession of psychology; examination of theories and career options in major subfields of psychology. Students must have Internet access.
prereq: PSYCH 10000 and any other 3 cr PSYCH course, perm dept.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 21000 - Child Psychology (D/S)

GER 3/B
Emotional, social, motor and cognitive development as influenced by genetic, cultural and individual factors during the first twelve years of life. (May not be taken for credit by students who have a collateral major, or a minor, in education.)
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 21200 - Psychology of Exceptional Children (D/S)

GER 3/B
Special problems of adjustment and training of exceptional children, including the gifted as well as the intellectually, emotionally and physically handicapped.
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 21500 - Introduction to Research Methods in Psychology (W)

GER 3/B
Evaluation of published research; research principles and the concepts which underlie them; how to evaluate and select research strategies.
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 22000 - Personality (D/S)

GER 3/B
Review of the contributions to the understanding of normal personality in the theories of the Freudian and other analytical schools; of Allport, of representative behaviorist groups and of constitutional typologists; also, methods of assessing and understanding individual personality.
writing intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.
PSYCH 22100 - Psychoanalytic Theories (A; D/S)

GER 3/B
Historical, theoretical and empirical approaches from Freud to the present; empirical evaluation and integration of these theories with learning and ethological theory.
writing intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 22300 - Abnormal Psychology (A; D/S)

GER 3/B
Consideration of psychological abnormalities; symptoms, etiology, diagnostic procedures and therapy.
writing intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 22500 - Ethology: Animal Behavior (B)

GER 3/B
Adaptation, survival, reproduction and evolution of behavior, emphasizing development and species-comparison.
writing intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 23000 - Social Psychology (D/S)

GER 3/B
Problems of human experience and behavior in the social context; theories and current methodology in research on the influence of the group on cognitive processes, motivation, personality structure and the self; attitudes and prejudice; leadership; group processes.
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 23500 - The Psychology of Women (D/S)

GER 3/B PD/C
Psychological functioning of women; sexuality, pregnancy, social roles and status, aging, achievement, life styles, power.
Writing Intensive cross-listed WGS 23500 (W)
prereq: PSYCH 10000 and any other 3 cr PSYCH course prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 24000 - Applications of Psychology (A)
GER 3/B
Psychological issues in business, law and medicine; consumer research, personnel selection and training, motivation and morale in industry, safety programs, testimony, lie detection and psychological issues in coping with physical illness.
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 24200 - Health Psychology (A)
GER 3/B
Psychological and behavioral factors related to physical illness and health promotion, including such areas as aging, stress and coping, pain, addiction and eating disorders.
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 24500 - History of Psychology (W)
GER 3/B
Introspective, behavioristic, gestalt, psychoanalytic and related viewpoints developed from early philosophic roots of psychology.
prereq: PSYCH 10000 and any other 3 cr PSYCH course or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 24800 - Statistical Methods in Psychological Research
GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or or appropriate score on math placement exam
coreq: Writing Intensive or coreq: ENGL 12000
4 hrs 4 cr.

PSYCH 24900 - Experimental Psychology: Social
GER 3/B
Introduction to the principles of research methodology and experimental techniques. Required research reports involve laboratory and field exercises concerned with a variety of social psychological phenomena. (Students may take either PSYC 249 or 250, but not both.)

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade;
PSYC 24800 with a minimum grade of C
prereq or coreq: Writing Intensive
6 hrs (2 lec, 4 lab)4 cr.

**PSYCH 25000 - Experimental Psychology: General**

GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

*PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade;
PSYCH 24800 with a minimum grade of Cprereq or coreq: Writing Intensive
6 hrs (2 lec, 4 lab)4 cr.*

**Religion**

**REL 11000 - Nature of Religion (W)**

GER 2/C
Study of basic facets of religion: God, ethics, worship, faith, myth, ritual, symbolism, etc.
3 hrs3 cr.

**REL 11100 - Approaches to Religion (W)**

GER 2/C
Different understandings of religion: sociological, anthropological, psychological, philosophical, theological.
prereq: ENGL 12000
3 hrs3 cr.

**REL 20400 - Religious Experience (W)**

GER 2/C PD/D
Cross-cultural analysis of religious experiences: Biblical, ancient Greek, Asian, modern Western.
prereq: ENGL 12000
3 hrs3 cr.

**REL 20500 - Faith and Disbelief (W)**

GER 2/C PD/D
Examination of questions of faith and disbelief in modern Western thought.
prereq: ENGL 12000
3 hrs3 cr.

**REL 20600 - Ideas of God in Contemporary Western Thought (W)**
GER 2/C PD/D
Survey of representative schools of current Western religious thought: Christian theism, metaphysical protest, process theology, feminist theology, liberation theology, beyond theism thought.
prereq: ENGL 12000
3 hrs 3 cr.

REL 20700 - Religious Sources for Morality (W)

GER 2/C PD/D
Religious reasons for determining good and evil; religious sources for ethical decisions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 20800 - Religion and Social Justice (W)

GER 2/B PD/D
An exploration into religious perspectives on such social issues as war, race, the economy and gender relations.
prereq: ENGL 12000
3 hrs 3 cr.

REL 25100 - Eastern Religions (W)

GER 2/C PD/A
Study of Hinduism, Buddhism, Jainism, Taoism and Confucianism.
prereq: ENGL 12000
3 hrs 3 cr.

REL 25200 - Ancient Near Eastern Religions (W)

GER 2/C PD/A
Study of Egyptian religion, religions of Sumer and Babylonia, religion of the early Hebrews (including the Old Testament).
prereq: ENGL 12000
3 hrs 3 cr.

REL 25300 - Western Religions (W)

GER 2/C PD/D
Survey of major Western religions – Christianity, Judaism, Zoroastrianism and Islam.
prereq: ENGL 12000
3 hrs 3 cr.

REL 25400 - Tribal Religions: From Australia to the Americas (W)

GER 2/C PD/A or B
Study of indigenous religions of Pacific Islanders and North American Indians.
prereq: ENGL 12000
3 hrs 3 cr.

REL 25500 - Religions of Two Gods (W)
GER 2/C PD/A
A survey of historical varieties of dualistic religion both classical and modern which inquires into the moral grounds for their recurring appeal.
prereq: ENGL 12000
3 hrs3 cr.

REL 25600 - Afro-Caribbean Religions (W)

GER 2/C PD/B
An introduction to the diversity of African-based religions in the Caribbean and beyond.
prereq: ENGL 12000
3 hrs3 cr.

REL 27000 - Religion and Psychology (W)

GER 2/C PD/D
An examination of ways in which psychology understands, describes, values (or devalues) religion using the media of text, story and film.
prereq: ENGL 12000
3 hrs3 cr.

REL 30700 - Religious Ideas in Modern Literature (W)

GER 3/A PD/D
Exploration of religious themes in modern literature.
prereq: ENGL 12000
3 hrs3 cr.

REL 30800 - Religion and the Arts (W)

GER 3/A PD/D
Examination of religious themes in art, music, theatre, cinema, or literature. Different topics each time offered.
prereq: ENGL 12000
3 hrs3 cr.

REL 30900 - The Religious Meaning of Love and Sex (W)

GER 3/A PD/D
Interdisciplinary investigation of the major ways humankind has understood the relation between the sexually erotic and religious realities.
prereq: ENGL 12000
3 hrs3 cr.

REL 31000 - The Religious Meaning of Death (W)

GER 3/A PD/D
Consideration of the meaning of death in major world religions.
prereq: ENGL 12000
3 hrs3 cr.
REL 31100 - Women and Religion (W)

GER 3/A PD/C
An examination of the role of women and the concept of the feminine in world religions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31200 - Religion and Politics (W)

GER 3/A PD/D
The role of political ideology in the shaping of religious belief and theology's influence on politics in Western and non-Western traditions, both conservative and radical.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31300 - Spirit and Nature (W)

GER 3/A PD/D
An exploration of the ideas of nature and animal life in a representative sampling of the religious traditions of the world, inquiring into the implications for environmental policy and the treatment of animals.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31500 - The Problem of Evil (W)

GER 3/A PD/D
Exploration of the religious meaning of evil in different cultures.
prereq: ENGL 12000
3 hrs 3 cr.

REL 32000 - Hinduism (W)

GER 3/A PD/A
Study of Hinduism, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs 3 cr.

REL 32100 - Buddhism (W)

GER 3/A PD/A
Study of Buddhism, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs 3 cr.

REL 32200 - Islam (W)

GER 3/A PD/A
Study of Islam, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs 3 cr.
REL 32300 - Christianity (W)

GER 3/A PD/D
Analysis of the Christian religion which employs methodologies of the academic study of religion and which aims to uncover the unity of Christian faith embodied in its various expressions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 32400 - Islam and Buddhism (W)

GER 3/A PD/A
Study of Islam and Buddhism, their founders, development, beliefs, rituals and interaction.
prereq: ENGL 12000
3 hrs 3 cr.

REL 33000 - New Testament Religion (W)

GER 3/A PD/D
prereq: ENGL 12000
3 hrs 3 cr.

REL 33300 - Christian Theology (W)

GER 3/A PD/D
An examination of key doctrines in Christian thought such as trinity, incarnation, existence of God and grace.
prereq: ENGL 12000
3 hrs 3 cr.

REL 33400 - Mysticism (W)

GER 3/A PD/D
Cross-cultural exploration of mystical experience and mystical doctrines, as well as an exploration of the various methods of studying them.
prereq: ENGL 12000
3 hrs 3 cr.

REL 33500 - Myth and Ritual (W)

GER 3/A PD/D
Cross-cultural exploration of myth and ritual and their place in various cultures; methodologies for analysis.
prereq: ENGL 12000
3 hrs 3 cr.

REL 33600 - Zen (W)

GER 3/A PD/A
An inquiry into the teachings of Chinese and Japanese Zen in light of their Buddhist and Daoist backgrounds.
prereq: ENGL 12000
3 hrs3 cr.

REL 33700 - Sufism (W)

GER 3/A PD/A
A course on the esoteric or mystical dimension of Islam, known among Muslims as ta'awwuf, attending to the history, doctrine and metaphysics of the Sufi path.
prereq: ENGL 12000
3 hrs3 cr.

REL 34000 - Homosexuality in World Religions (W)

GER 3/A PD/C
A survey and analysis of typical ways in which homosexuality has been understood, evaluated and in some cases institutionalized in a variety of religious traditions, attending especially to implicit constructions of gender.
prereq: ENGL 12000
3 hrs3 cr.

REL 39000 - Modern Theories in Religion (W)

GER 3/A PD/D
An advanced methodology course surveying key issues and main approaches under discussion in the current study of religion when standard methods of interpretation are being subjected to exhaustive critique and revision and new theories are being proposed.
prereq: ENGL 12000, REL 11100 or equiv; at least one other course in religion or a theoretical course offered by participating department, such as ANTHC 30700, PHILO 26200 or SOC 20500; perm instr.
3 hrs3 cr.

Romance Languages

French

FREN 25600 - Dream and Image (W)

GER 3/A
Conducted in English. Analysis of literary representations of dreams. Exploration of the relationship between word and image in French Literature. Such authors as Flaubert, Maupassant, Nerval and Proust.
3 hrs3 cr.

Italian

ITAL 26000 - Modern Italian Short Story (W)

GER 2/C PD/D
In English. Study of the main literary trends in short story form, including Naturalism, Neorealism, Existentialism and Surrealism.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.
prereq: ENGL 120 or equiv.
3 hrs 3 cr.

ITAL 27600 - Dante's Divine Comedy in English (W)

GER 3/A PD/D
Introduction to Dante's Divine Comedy, with particular emphasis on the Inferno.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs 3 cr.

ITAL 33900 - Italian American Women Writers and Artists: Issues of Identity (W)

GER 3/A PD/C
In English. An active exploration of feminine Italian American identity through literature, film and visual arts.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs 3 cr.

Spanish

SPAN 26500 - Don Quixote (in English translation) (W)

GER 3/A, PD/D
Commentary and analysis of Cervantes' novel in its entirety, read in English translation. Examination of its main themes within the sociohistorical and literary contexts, as well as its essential role in the development of the modern novel.
Writing Intensive

prereq: ENGL 12000
3 hours 3 credits

SPAN 26900 - Spanish American Women's Literature and Cinema (W)

GER 3/A PD/A or C
Conducted in English. An interdisciplinary approach to contemporary women's literature and cinema from Spanish America focusing on gender issues.
Taught in English. This course is designed for students who want to become acquainted with Spanish culture. Cannot be credited toward the major and are not recommended for the minor.
cross-listed WGS 26900
prereq: ENGL 12000
3 hrs 3 cr.

Sociology

SOC 21900 - American Society (W)
GER 3/B
Analysis of social structures and culture of the contemporary USA.
*prereq: SOC 10100, ENGL 12000
3 hrs 3 cr.

**SOC 23900 - Child Welfare (W)**

GER 3/B
Historical and contemporary perspectives on the impact of poverty on children and the social policies that deal with it.
*cross-listed WGS 23900 (W)*
*prereq: SOC 10100, ENGL 12000
3 hrs 3 cr.

**SOC 25900 - Mass Media, Communication and Public Opinion (W)**

GER 3/B
Impact of mass media on public opinion and government action.
*prereq: SOC 10100 ENGL 12000
3 hrs 3 cr.

**SOC 30900 - Social Movements and Social Change (W)**

GER 3/B
Analysis of emerging groups inducing or resisting social change often using unconventional means in historical and/or international perspective.
*prereq: SOC 10100
3 hrs 3 cr.

**SOC 31500 - Work and Society (W)**

GER 3/B
Work in market economies, mechanisms of control and sources of stratification, gender and ethnic factors, role of education and trade unions.
*cross-listed WGS 31500
prereq: SOC 10100
3 hrs 3 cr.

**SOC 35000 - Qualitative Research Methods (W)**

GER 3/B
An introduction to the most prevalent qualitative research approaches used in applied social research and sociology, including documentary analysis, participatory observation, ethnography, in-depth interviews, focus groups and related methods.
*prereq: SOC 22100 or 22300
3 hrs 3 cr.

**SOC 36100 - Development and Modernization (W)**

GER 3/B PD/A
Examinations of models of social change with a special focus on developing countries.
SOC 36200 - Sociology of Islam (W)

GER 3/B
Introduction to Islam as religion and culture with emphasis on how misconceptions have permeated our understanding of Islam. Analysis from a historical perspective which serves as a framework for comprehending Islam's dogma, rituals, and legal system.

Theatre

THEA 21100 - World Theatre I (W)

GER 2/C PD/D
Survey of international theatre from its pre-Greek origins to the Spanish Golden Age.

THEA 21200 - World Theatre II (W)

GER 2/C PD/D
Survey of international theatre from the Elizabethan period to Wagner.

THEA 21300 - World Theatre III (W)

GER 2/C PD/D
Survey of international theatre from 19th-century Naturalism to the present day.

THEA 21400 - Multicultural Perspectives in Theatrical Performance (W)

GER 3/A PD/B
Study of a selected minority theatre tradition in the United States: original roots, development, and influence on the cultural life of the group to be studied and on American culture in general. May be repeated for credit with a different topic.

THEA 21500 - Black Theatre (W)

GER 3/A PD/B
Background and development, present practice, and future possibilities of Black theatre in America.
THEA 32100 - Play Analysis (W)

GER 3/A PD/D
Principles of play analysis; examination of play structure, theatrical form, and historical period.

prereq: THEA 21100 or 21200 or 21300
3 hrs 3 cr.

THEA 32200 - Theatre Theory and Criticism (W)

GER 3/A PD/D
Major theatrical theories, with emphasis on modern, as applied to acting, design, directing, and playwriting.

prereq: THEA 21100 or 21200 or 21300
3 hrs 3 cr.

THEA 32300 - 20th Century Aesthetics in Theatre and Film (W)

GER 3/A
Points of interaction, mutual influence, and cross fertilization between theatre and film in theory and praxis.

prereq: THEA 21300 or FILM 21100 or 21200; ENGL 12000
4 hrs 3 cr.

THEA 32400 - Adaptation in Theatre and Film (W)

GER 3/A
Examination of examples of works adapted to the stage or seen from another medium.

prereq: THEA 32100 or FILM 21100 or 21200; ENGL 12000
4 hrs 3 cr.

THEA 33100 - Avant-Garde Theatre of the 20th Century (W)

GER 3/A PD/D
Departures from realism Expressionism, Artaud, Brecht, Grotowski from Alfred Jarry to the present.

prereq or coreq: THEA 21100 or 21200 or 21300
3 hrs 3 cr.

THEA 37600 - Playwriting I (W)

GER 3/A
Study of problems in playwriting based on the student's own work.

prereq: THEA 10100 or perm instr.
3 hrs 3 cr.

Thomas Hunter Honors Program

HONS 20100 - Sophomore Honors Colloquium (W)

PD/D
Sample topics: Integrating the Irrational; Dante's World; Language, Learning, and Computation; Law and Literature; The Gothic; Ethics in Public Health. May be taken more than once with different topics. Some topics may meet a PD requirement; check with adviser.
HONS 30100 - Upper-Level Honors Colloquium (W)

PD/D
Sample topics: Behavior and Evolution; Greek Myth in the Arts; Energy and Environment; Politics of Southern Africa. May be taken more than once with different topics. Some topics may meet a PD requirement; check with adviser.

prereq: perm dept.
3 hrs 3 cr.

Urban Affairs and Planning

URBS 10100 - Urban Life: Personal and Observational View (W)

GER 2/B
Introduction to urban studies allowing students to translate personal knowledge and experience of New York City to more theoretical understanding of urbanism. Includes four projects dealing with mapping, immigration, census data analysis, and local development issues.

3 hrs 3 cr.

URBS 10200 - Structure of Urban Region (W)

GER 2/B
Introduction to forces shaping institutions and life of contemporary American urban regions. Focus on evolving metropolitan economic, social, demographic, spatial, and political systems, and their relevance to current policy.

prereq: URBS 10100 or relevant intro course (e.g., ECO 10000 or 20100-20200; GEOG 10100, PLSC 11100, SOC 10100) or perm instr.

3 hrs 3 cr.

URBS 20100 - Urban Plans and Policies

GER 2/B
Includes the study of the policy making process, major plans/policies (e.g. War on Poverty, urban renewal, neighborhood rezoning), “politics/power,” the role of non-profits in urban planning and policy making.

prereq: URBS 10200 or 6 cr. intro social science courses or perm instr.

3 hrs 3 cr.

Women and Gender Studies

WGS 20100 - Classics in Feminist Thought (W)

GER 3/A or B PD/C
Study of feminist thought across a variety of historical periods and cultural contexts.

prereq: WGS 10000, ENGL 12000 or equiv.
3 hrs 3 cr.

WGS 20900 - Women and Gender in Western Political Thought (W)
GER 3/B PD/C or D
The history of political thought from the perspective of gender relations and the treatment of women.
cross-listed POLSC 20900
prereq: ENGL 12000 or equiv.
3 hrs3 cr.

WGS 21900 - Women and the Law (W)

GER 3/B PD/C
Overview of how local, state and federal laws treat people on basis of sex.
cross-listed POLSC 21900
prereq: ENGL 12000
3 hrs3 cr.

WGS 23000 - Feminism: Philosophical Theory and Practice (W)

GER 3/A PD/C
Analysis of feminist theories and their practical implications.
cross-listed PHILO 23000
prereq: ENGL 12000 and one course in philosophy
3 hrs3 cr.

WGS 23900 - Child Welfare (W)

GER 3/B
Historical and contemporary perspectives on the impact of poverty on children and the social policies that deal with it.
cross-listed SOC 23900
prereq: ENGL 12000, SOC 10100
3 hrs3 cr.

WGS 25000 - Women and Music (W)

GER 3/A PD/C
An ethnomusicological study of women and music in cross-cultural perspective.
cross-listed MUSHL 25000
prereq: ENGL 12000 and one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, WGS 10000 or perm instr.
3 hrs3 cr.

WGS 25800 - Topics in Literature by Women (W)

GER 3/A PD/C
Selected works by women written in English will be studied with an emphasis on the diversity of women's lives and the effect of gender on experience.
May be repeated once for credit with a different topic.
cross-listed ENGL 25800
prereq: ENGL 22000
3 hrs3 cr.

WGS 26000 - Russian Women Writers in English Translation (W)

cross-listed RUSS 26000
prereq: ENGL 22000
3 hrs 3 cr.

**WGS 26100 - Women and Politics (W)**

GER 3/B PD/C
Constitutional and legal position of women, ERA, affirmative action, marriage, divorce, property, feminist causes.
cross-listed POLSC 21800
prereq: ENGL 12000
3 hrs 3 cr.

**WGS 26200 - Women, War and Peace (W)**

GER 3/B PD/C
Roles that women have played as subjects and objects in war and peace.
cross-listed POLSC 28000
prereq: ENGL 12000
3 hrs 3 cr.

**WGS 26900 - Spanish American Women's Literature and Cinema (W)**

GER 3/A PD/A or C
Conducted in English. An interdisciplinary approach to contemporary women's literature and cinema from Spanish America focusing on gender issues.
cross-listed SPAN 26900
prereq: ENGL 12000
3 hrs 3 cr.

**WGS 30500 - Women and Slaves in Classical Antiquity (W)**

GER 3/A PD/C or D
Women and slaves in Greek and Roman society and origins of Western attitudes about sex and class.
cross-listed CLA 30500
prereq: ENGL 12000
3 hrs 3 cr.

**WGS 30900 - Feminist Political Theory**

GER 3/B PD/C
Readings in feminist ideas, both historical and contemporary, on issues of power, justice and equality. The course will emphasize different perspectives, including those of liberal, radical, postmodernist, women of color, third world and global feminists.
cross-listed POLSC 30900
prereq: ENGL 12000
3 hrs 3 cr.

**WGS 31500 - Work and Society (W)**
GER 3/B
Work in market economies, mechanisms of control and sources of stratification, gender and ethnic factors, role of education and trade unions.
cross-listed SOC 31500
prereq: SOC 10100
3 hrs 3 cr.

WGS 31800 - Women in Africa (W)

GER 3/B PD/A or C
Examination of African womanhood in traditional setting during colonialism and neo-colonialism, independence and revolution.
cross-listed AFPR 31800(W)
prereq: AFPR 20200 or AFPR 22200 or perm instr.
3 hrs 3 cr.

WGS 31900 - Advanced Topics in Literature by Women (W)

GER 3/A PD/C
Selected works by women in relation to a special theme, technique, genre, theoretical issue or cultural consideration. May be repeated once for credit with a different topic.
cross-listed ENGL 31900
prereq: ENGL 22000
3 hrs 3 cr.

WGS 32900 - Women in the African Diaspora (W)

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance, and in sustaining African culture and values.
cross-listed AFPR 31900 (W)
prereq: AFPR 20400, 20900 or 21000 or perm instr.
3 hrs 3 cr.

WGS 33600 - African-American Women Writers (W)

GER 3/A PD/B or C
African-American female authors from slavery to present: novels, short stories, essays, plays, poetry, teenage fiction, and children's books.
cross-listed AFPR 33600
prereq: AFPR 23600 or perm instr.
3 hrs 3 cr.

WGS 33700 - Caribbean Women Writers (W)

GER 3/A
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, eolization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.
cross-listed AFPR 33700
WGS 38400 - Women and Media (W)

GER 3/B PD/C
Examination, from historical and formal perspective, of ways in which women have been represented by mass media in America since mid-19th century. Exploration of how feminists for 100 years have challenged these images and posed alternative modes of cultural representation and production.

cross-listed MEDIA 38400
prereq: MEDIA 18000
3 hrs 3 cr.

Nursing General Education Requirements

I. Generic and Accelerated Pathway General Education Requirements and Nursing Major Sequence

Lower Division General Education Requirements (66 credits):

Stage 1: Academic Foundations (9 credits)

Group A 3 cr.

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.

Group B 3 cr.

STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs 3 cr.
Group C 3 cr.

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**

GER 1/C or 2/B  
American political, social and cultural history from the time of the European settlements to the Civil War.  
*Courses at the 300-level and above not offered to freshmen.*  
**prereq or coreq:** ENGL 12000  
3 hrs 3 cr.

-or-

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B  
American political, social and cultural history from the Civil War to the present.  
*Courses at the 300-level and above not offered to freshmen.*  
**prereq or coreq:** ENGL 12000  
3 hrs 3 cr.

-or-

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B  
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.  
**prereq or coreq:** ENGL 12000 or its equivalent  
3 hrs 3 cr.

Stage 2: Broad Exposure (24 credits)

Group A Survey of Literature Written in English 6 cr.

**ENGL 22000 - Introduction to Literature**

GER 2/A  
Close reading in British and American fiction, drama and poetry designed to increase students’ understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.  
**prereq:** ENGL 12000  
3 hrs + conf 3 cr.

Group B Social Science: People and their Societies 6 cr.

Students accepted into the Nursing Program who are required to take PSYCH 10000 and PSYCH 15000 may use these courses to satisfy Stage 2/B of the General Education Requirement.

**PSYCH 10000 - Introduction to Psychology**
GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs3 cr.

PSYCH 15000 - Human Development

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.
prereq: PSYC 10000
3 hrs3 cr.

Group C Humanities: Culture and Ideas: Literature, Philosophy, Classics 3 cr.

Group D Visual and Performing Arts: Media, Art, Dance, Film, Music, Theatre 3 cr.

Group E Natural Science 9 cr.

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.
Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
4 hrs (3 lec, 1 rec)3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec)1.5 cr.

CHEM 12000 - Essentials of Organic Chemistry Lecture

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10000
4 hrs (3 lec, 1 rec)3 cr.

CHEM 12100 - Essentials of Organic Chemistry Laboratory
Experiments designed to illustrate fundamental laws and techniques of organic chemistry. Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.

prereq: CHEM 10100
prereq or coreq: CHEM 12000
4 hrs (3 lab, 1 rec) 1.5 cr.

Stage 3: Focused Exposure

Group A Humanities or Visual and Performing Arts 3 cr.

Group B Social Science or Natural Science/Mathematics

**BIOL 23000 - Fundamentals of Microbiology**

GER 3/B
Topics include scope, historical aspects, taxonomy, survey of the microbial world, viruses, infectious diseases, control of microorganisms and immunology. Required for admission to the nursing program.

Not accepted for credit toward the biology Major I.

prereq: CHEM 10000, 10100, 12000, 12100 or equiv; BIOL 12200
5 hrs (2 lec, 3 lab) 3 cr.
spring only

Foreign Language Requirement

Exempt

Pluralism and Diversity Requirement 12 cr.

Group A 3 cr.

Non-European societies

Group B

Cultures in the USA

Group C

Women and/or issues of gender or sexual orientation

Group D

Europe

Writing Requirement
Up to 3 courses in significant writing ("W" designated courses)

Additional Required Courses: 9 cr.

**BIOL 12000 - Anatomy and Physiology I**

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.

*Not accepted for credit toward the biology major.*

_prereq:_ CHEM 10000, 10100 _coreq:_ CHEM 12000, 12100

6 hrs (3 lec, 3 lab) 4.5 cr.

_fall only_

**BIOL 12200 - Anatomy and Physiology II**

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.

*Not accepted for credit toward the biology major.*

_prereq:_ BIOL 12000 or equiv.

6 (3 hrs lec, 3 hrs lab) 4.5 cr.

_spring only_

Open electives: 6 cr.

Total GER, other required courses and open electives 66 cr.

II RN Pathway

Lower- and Upper-Division Course Requirements

Transfer students from other colleges will have their transcripts evaluated upon admission by the Office of Admissions. Courses for which equivalency is granted need not be repeated.

Lower Division

Since most of this coursework will have been taken as part of the associate degree/RN program, the admissions office will evaluate the transcript and determine what still remains to be taken at the lower division.

Students entering Hunter with an RN/AAS degree are required to complete the core, pluralism and diversity and one writing course. Core courses required are:

**ENGL 12000 - Expository Writing**

GER 1/A

Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

_prereq:_ successful completion of developmental courses, if required

3 hrs + conf 3 cr.
STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs 3 cr.

• US History

ENGL 22000 - Introduction to Literature

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students' understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.

prereq: ENGL 12000
3 hrs + conf 3 cr.

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

3 hrs 3 cr.

PSYCH 15000 - Human Development

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.

prereq: PSYC 10000
3 hrs 3 cr.

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.

Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.

4 hrs (3 lec, 1 rec) 3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory
GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec) 1.5 cr.

plus 12.5 credits of other courses in science and math, and two courses of Stage 3. All courses used to satisfy Pluralism and Diversity requirements may simultaneously meet a student’s core requirements or the courses necessary for a major or minor area of study. The following nursing courses meet pluralism and diversity:

The following courses meet pluralism and diversity:

**NURS 38400 - Nursing Culturally Diverse Families**

PD/B
Open to RN Pathway students only. Explores the interrelationships between sociocultural factors and health care practices of families from diverse cultures as a basis for nursing practice. Principles of service-learning are reflected in the culturally competent interventions.
3 hrs 3 cr.

**NURS 34000 - Women's Health**

PD/C
Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.
3 hrs 3 cr.

**NURS 35100 - Gender, Science and Technology**

PD/C
Explores the complex relationship between women and the sciences. 
cross-listed WGS 35100
3 hrs 3 cr.

**Undergraduate Certificate and Minor**

**Human Rights**

Return to Human Rights Program

**Minor in Human Rights**

The 15-credit Minor in Human Rights consists of two core human rights courses—a 3-credit introductory course and a 3-credit internship—plus three 3-credit cognate courses on specific human rights topics. Students should work with the Human Rights Program adviser to put together an intellectually meaningful set of cognate courses.

To be accepted into the Minor program, a student must have at least a 3.0 GPA.
Certificate in Human Rights

The 24-credit Certificate in Human Rights consists of 4 core human rights courses—a 3-credit introductory course, a 3-credit internship, a 3-credit internship seminar and a 3-credit capstone seminar—plus 4 cognate courses. Students should work with the Human Rights Program adviser to put together an intellectually meaningful set of cognate courses.

To be accepted into the Certificate program, a student must have at least a 3.0 GPA.

Courses in Human Rights

Public Policy

The Program in Public Policy is an 18-credit undergraduate minor open to students in all disciplines. Students also have an option to pursue 9 additional credits (for a total of 27 credits) to receive a Certificate in Public Policy upon graduation. The Roosevelt House program is based on the understanding that the preparation of informed citizens is essential to a healthy democracy and an important aspect of a liberal arts education. Unlike most graduate programs in public policy that are designed to prepare people for careers in the public and nonprofit sectors, the undergraduate program at Roosevelt House provides students with knowledge and skills that enable them to be active participants in a democratic society. Many of its graduates will undoubtedly go on to careers in the public and nonprofit sectors. Capable citizenship, however, is required in all walks of life; therefore the program can benefit all students regardless of their stated major, career goals, or personal objectives. To enroll in the public policy minor (18 credits) or certificate (27 credits), a student must have completed at least 45 credits of undergraduate study, with a minimum G.P.A. of 3.0.

Minor in Public Policy

An 18-credit undergraduate minor in public policy is open to students in all disciplines.

Core Requirements

PUPOL 10000 - Introduction to Public Policy

An interdisciplinary introduction to public policy utilizing the literature and tools of a variety of social science disciplines. This course introduces students to basic concepts and approaches in public policy. It will acquaint students with public policy as a field of study, the basic elements of the policy making process, and distinct modes for analyzing public policy and its outcomes. It will be team-taught by faculty from at least two related social science disciplines. Writing Requirements: This course will require 20 to 25 pages of writing in the form of two take home essay examinations (4-5 pages each), a proposal for a final paper (3-5), and a final paper (8-10 pages).

Open only to students enrolled in the program. Cannot be used to fulfill any other requirements.
This course is taken at the state of the art Roosevelt House.

prereq: declaration of a minor/certificate in Public Policy and a minimum GPA requirement of 3.0
3 hrs3 cr.
PUPO 40000 - Capstone Seminar

This writing intensive course is the culminating experience in the Public Policy minor/certificate. It provides students with an opportunity to apply the knowledge and skills acquired in their other courses to a specific policy problem. An interdisciplinary course, it will require students to make an inquiry into a specific policy problem. The project will be overseen jointly by a faculty adviser who specializes in the substantive area of public policy chosen and another faculty adviser in the program by writing a formal paper.

Each student will write an appropriately revised 5-7 page research proposal and a 20-25 page research paper involving primary research.

These courses are only open to students enrolled in the program. They cannot be used to fulfill any other requirements.

This course is taken at the state of the art Roosevelt House.

prereq: Students must have completed 45 credits, have a declared major, and a cumulative GPA of 3.0 or higher.

3 hours 3 credits

One Course in Economic Analysis

ECO 20000 - Principles of Economics: Microeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

prereq: MATH 10100 or exemption from the course

3 hrs 3 cr.

One Course in Quantitative Analysis

ECO 22100 - Economic Statistics I

GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.

prereq: MATH 12500 or exemption from the course

3 hrs 3 cr.

POLSC 20600 - Research Design in Political Science (W)

GER 3/B
Public opinion surveys, content analysis, legislative roll-call analysis, census data, election returns. Introduction to statistics. Uses Social Science Data Lab.

prereq: passing college proficiency exam in math or perm instr; ENGL 12000 or its equivalent

3 hrs 3 cr.

SOC 24000 - Introduction to Research Methods

GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.

prereq: SOC 10100

3 hrs 3 cr.

STAT 21300 - Introduction to Applied Statistics
GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

One Course in Normative, Ethical, and Value Analysis. Such courses include but are not limited to:

**PHILO 10600 - Philosophy, Politics and Society**

GER 2/C PD/D
Introduction to social and political philosophy.
3 hrs 3 cr.
offered each semester

**PHILO 24400 - Moral Philosophy (W)**

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

**PHILO 10400 - Introduction to Ethics**

GER 2/C
Examination of standards of right conduct and the good life through study of selected philosophical classics.
3 hrs 3 cr.
offered each semester

**SOC 21800 - Social Inequality**

GER 3/B
Examination of social inequality in contemporary society from various empirical and theoretical perspectives focusing on class, ethnic, gender, and other determinants of stratification.
prereq: SOC 10100
3 hrs 3 cr.

**POLSC 31100 - Utopian Theory (W)**

GER 3/B
Political theorists often imagine ideal worlds, both to explore ideals and to criticize political realities. This course will explore utopias and dystopias as theories that explore political possibilities and challenge existing realities.
prereq: ENGL 12000 or its equivalent; one course in political theory or perm dept.
3 hrs 3 cr.

**POLSC 30500 - Democratic Theory (W)**

GER 3/B
A critical survey of different conceptions of democracy: issues include democracy as a political order, democracy and
'non-political' forms of life (e.g., business, family, religion), toleration, political representation, democracy and justice. 

*prereq or coreq: ENGL 12000 or its equivalent; one course in political theory or perm instr.*

3 hrs 3 cr.

Substantive Policy Specialization

For the Public Policy Certificate each student will take the 6 core courses (18 credits) and will be required to declare a substantive area of specialization comprised of 3 courses (9 credits) of additional course work. These may be grounded in a particular discipline or disciplines. Or a student may use the substantive specialization to take advantage of clusters of expertise that exist across several Hunter departments. Examples of the latter include (but are not limited to) immigration, health, aging, gender studies, macroeconomics, public finance, economic development, race and ethnicity, public law, human rights, ethics, international relations, international trade, education, urban affairs, environmental studies, employment, and social services. Courses designated for the substantive specialization need approval by the faculty advisor.

Additional Opportunities

Hunter College offers other unique opportunities to its students. These options are designed to enrich the student experience in policy curriculum.

Generic Policy Courses

Advanced courses which build on the knowledge and skills acquired in the core courses and are applicable to students in a wide range of substantive specializations.

Internships

Undergraduate internship programs currently exist in a number of academic departments which are designed to give students a chance to work in a policy-related institutional setting outside the university, either in a government agency, nonprofit, think tank, or advocacy group. Some carry compensation, others are voluntary.

Policy Colloquia

A colloquium series will be launched at Roosevelt House that will allow students and faculty to come together several times a semester to discuss public policy issues. Guest speakers, including scholars and practitioners, with relevant expertise will be invited to discuss topics of the day either individually or in panels.

Post-Baccalaureate Certificate

Health Careers Preparation Post-Baccalaureate Certificate

Return to: Health Careers Preparation

The Post-Baccalaureate Certificate in Health Careers Preparation Program is designed for students who wish to enter a professional program in the health sciences but whose undergraduate education does not meet the requirements for these programs.

Admission Criteria
We encourage prospective students who meet the admission criteria to apply to our certificate program. All applicants must:

- Hold a baccalaureate degree from an accredited institution with a minimum overall GPA of 3.00 (students with undergraduate degrees in progress are not eligible to apply).
- Apply for admission to City University of New York (CUNY), Hunter College.
- Submit a completed Post-Baccalaureate Certificate Program supplemental application.
- Demonstrate their commitment to a career in the health professions through paid or volunteer experience.

Application Procedures

Admission to the program is limited to the Fall semester. Application to the program is a two-step process. Applicants must refer to the CUNY Application Portal (https://portal.cuny.edu/id/cuny/documents/informationpage/006373.htm) to apply for admission using an undergraduate application to CUNY, Hunter College. All students in the Post-Baccalaureate Certificate Program must matriculate as Undergraduate Second Degree candidates. The 4-digit code for Hunter's Post-Baccalaureate Certificate Program is 0339, and this must be selected in order for the student to be considered for the program. All students must submit their official transcripts directly to CUNY through the CUNY Application Portal. High school transcripts are NOT required. For the second step of the process, prospective students must also submit a supplemental application directly to the Pre-Health Office at Hunter College. The supplemental application is completed electronically and is available on the Pre-Health website in mid-Fall.

Deadlines

Both CUNY and supplemental applications must be received (by CUNY and the Hunter College Pre-Health Office) by January 1 of each year to be considered for admission to the Program in the Fall. Applications received after January 1 will not be considered.

Program Requirements

To complete the Program, all Post-Baccalaureate Certificate students starting in fall 2010 and after must:

- Complete one year of college-level English. This requirement can be fulfilled by undergraduate transfer credit and/or by taking courses at Hunter College.
- Complete one year of college-level mathematics beyond pre-calculus. This requirement can also be fulfilled by undergraduate transfer credit and/or by taking courses at Hunter. There are two ways to fulfill this requirement at Hunter:
  1. MATH 15000 (calculus) and MATH 15500 (calculus II)
  2. MATH 15000 (calculus) and STAT 21300 (STAT 113 does not fulfill this requirement)
- Complete 38 credits in science (biology, chemistry or physics) at Hunter College.
- Maintain a 3.3 GPA for every semester in the program with no individual course grade below B-.
- Provide 56 hours of service to the Hunter College Community during their time in the program. Tutoring in science courses, mentoring undergraduate students, and assisting with activities sponsored by the Pre-Health Office are examples of activities that fulfill the service commitment requirements.
- Obtain a committee letter from the Pre-Health Advisory Committee at Hunter College.

Courses and Requirements
The exact titles and sequence of courses for Post-Baccalaureate students depend on their individual academic needs and availability of courses at Hunter College each semester. Students typically take 9–12 credits of mathematics/science per semester but individual students' course loads can vary depending on their schedules of extracurricular activities and other factors.

In addition to the mathematics and English requirements stated above, typical course work for pre-health students includes the following:

- One year of general biology with lab: BIOL 10000 and BIOL 10200 (4.5 credits each, including lab) offered in fall and spring semesters, respectively.
- One year of general chemistry with lab: CHEM 10200 and CHEM 10400 (lecture, 3 credits each) and CHEM 10600 (lab, 3 credits). CHEM 10400, which serves as a pre-requisite to CHEM 10600 may be taken concurrently to satisfy requirements.
- One year of general physics with lab: PHYS 11100 and PHYS 12000 (4.5 credits each, including lab).

Additional Courses

Students may use classes from the following list of upper division biology and chemistry courses to fulfill the requirements for the program:

Courses

**BIOL 30000 - Biological Chemistry**

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.

*Disclaimer: $10 materials fee required.*

**prereq:** BIOL 20200, CHEM 22200, 22300**

**coreq:** CHEM 22400

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

**fall only**

**BIOL 30200 - Molecular Genetics**

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.

*Disclaimer: $10 materials fee required.*

**prereq:** BIOL 30000

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

**spring only**

**BIOL 30600 - Developmental Biology**

GER 3/B
Major topics include molecular and cellular mechanisms of early embryonic development in amphibians, mammals and model organisms such as Drosophila, as well as the related subjects of vertebrate organ system development, biology of
stem cells and animal cloning. Emphasis is placed on seminal and current research in cell-cell communication, signal transduction and differential gene regulation in developmental processes.

prereq: BIOL 30000
3 hrs (lec)3 cr.
fall only

BIOL 35000 - Cancer Biology

GER 3/B
Control of cell division examined in the context of cancer, which is the loss of this control. Topics include: cell culture, the cell cycle, hormones, receptors, intracellular signal transduction, oncogenes, tumor suppressor genes and the etiology of human cancer.

prereq: BIOL 20200, 30000, or perm instr.
3 hrs (lec)3 cr.
spring alternate years

BIOL 36000 - Cellular and Molecular Immunology

GER 3/B
Study of the immune system from a molecular perspective. Molecular genetics of antibody and T cell receptor diversity, hematopoiesis and lymphocyte development, humoral and cellular immunity, histocompatibility.

prereq or coreq: BIOL 30000, perm instr.
4 hrs (3 lec, 1 disc)3.5 cr.
fall only

BIOL 37000 - Physiology of the Nervous System

GER 3/B
A comprehensive introduction to neuroscience. Topics include how nerve cells (neurons) transmit electrical impulses, how neurons communicate with each other through synapses and how nerve pathways and networks determine many functions of the brain. The last portion of the course shall explore how developing neurons seek out targets and establish synapses.

prereq: BIOL 30000 or perm instr.
4 hrs (lec)4 cr.
spring only

BIOL 37500 - Molecular Systematics

GER 3/B
An overview of the various methods and kinds of data used in systematics, the study of organism diversity and biological relationships. Emphasis is on modern molecular and genetic approaches to identification of individual species and strains and full phylogenetic analyses of suites of species to determine their evolutionary history. The knowledge base is provided for experimental investigation of questions of current interest in phylogeny and population biology.

prereq: BIOL 30000 or perm instr.
3 hrs3 cr.

BIOL 37600 - Endocrinology

GER 3/B
Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of
metabolism and reproduction; integration of endocrine responses by the central nervous system.

**prereq:** BIOL 20200 or perm instr.

3 hrs (lec) 3 cr.

**spring only**

**BIOL 38000 - Molecular Neurobiology**

GER 3/B

Molecular components and molecular mechanisms involved in the cell biology of neurons and glia, neuronal signaling, neuronal development, learning, memory and diseases of the nervous system.

**prereq:** BIOL 30000 or perm instr.

3 lec hrs 3 cr.

**fall alternate years**

**CHEM 37600 - Biochemistry I**

GER 3/B

Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

**prereq:** CHEM 22400

4 hrs (3 lec, 1 rec) 3 cr.

**offered fall**

**CHEM 37700 - Biochemistry II**

GER 3/B

Biosynthesis of lipids, amino acids, carbohydrates. Muscle contraction, hormones, immune response, DNA sequencing.

**prereq:** CHEM 37600 or BIOL 30000 or perm instr.

3 hrs 3 cr.

**offered spring**

**CHEM 37800 - Biochemistry Laboratory**

GER 3/B

A set of laboratory experiments, performed by individual students, covering important areas of biochemistry such as protein analysis, enzyme purification, enzymatic assays, recombinant DNA and the polymerase chain reaction.

**prereq:** CHEM 22300 and CHEM 37600 or CHEM 64000

5 hrs (4 lab, 1 rec) 3 cr.

**List of Minimum Pre-Health Course Requirements (with prerequisites)**

One year of English (6 credits)

**MATH 12500 - Precalculus**

GER 1/B

Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to
students who have completed MATH 15000 or its equivalent.

prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
4 hrs 4 cr.

(Placement testing and transfer credit will determine if you need this course or if you need to take another math course prior to pre-calculus)

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only
CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 10200*
*coreq: CHEM 10400*
8 hrs (6 lab, 2 rec)3 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
*prereq: prereq for CHEM 22200: CHEM 10400*
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

*prereq: CHEM 10500*
*prereq or coreq: CHEM 22200*
5 hrs2.5 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
*prereq: prereq for CHEM 22400: CHEM 22200*
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.
CHEM 22500 - Organic Chemistry Laboratory II

GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
prereq or coreq: CHEM 22400
5 hrs 2.5 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

Note
Please refer to the Pre-Health Office website and publications for information regarding the specific coursework and extracurricular activities required by the individual health professional schools.

Time to Completion

Students must complete all of the required courses within 36 months in order to receive the certificate. A typical post-baccalaureate students completes the minimum coursework required to take standardized tests such as the MCAT or DAT within two years. However, many students go on to take additional upper division courses recommended by many health professional schools during the third (application) year. Decisions about professional school admissions are usually made one year after applications are submitted so most students apply to these schools after completing their second year in the Post-Baccalaureate Certificate Program, with the intention of matriculating a year later.

Bachelor of Science/Master of Science (BS/MS)

Accelerated BS/MS in Nutrition (DPD)

This pathway is for third year NFS majors who are interested in completing their degree and then continuing at Hunter to obtain a master’s degree and verification statement (students will be provisionally accepted into the program in their junior year but must maintain grade requirements to matriculate into the MS-DPD program).

This accelerated pathway provides the opportunity for undergraduate students to remain at Hunter for their graduate coursework providing students the opportunity for academic acceleration to a graduate degree.
Since the MS-Nutrition curriculum meets the didactic program in dietetics (DPD) requirements established by the Commission on Accreditation for Dietetics Education (CADE), the credentialing arm of the American Dietetic Association (ADA), it will qualify students from this BS/MS accelerated track to apply for Dietetic Internships and continue their professional preparation for the Registered Dietitian (RD) credential.

To become an RD, students must have:

- Completed a minimum of a bachelor's degree at a US regionally accredited university or college
- Completed the DPD coursework (didactic program in dietetics) approved by the Commission on Accreditation for Dietetics Education (CADE) of The American Dietetic Association (ADA).
- Completed a CADE-accredited supervised practice program such as a dietetic internship (DI). The Hunter DI is described in the graduate catalog and online at www.hunter.cuny.edu/schoolhp/nfs. For further information on the Hunter DI, contact Prof. Ann Gaba at agaba@hunter.cuny.edu.
- Pass a national examination administered by the Commission on Dietetic Registration (CDR).

Career Opportunities for students graduating with this accelerated BS/MS:

Dietetics is an allied health profession which focuses on the food and nutrition intake of individuals and its relationship to health. Registered dietitians are trained in the sciences and are able to translate scientific findings and help people live healthy lives. Major areas of practice include clinical, community, management, and consultant dietetics. More than half of all dietitians and nutritionists are found to work in hospitals, nursing homes, and physician's offices and clinics. More information about career opportunities may be found on the American Dietetic Association's website at http://www.eatright.org.

Academic Requirements for Entry into the MS-DPD in Junior Year

Upper-division undergraduates who have completed 96 credits (GER, electives, and prerequisite coursework for the NFS major may qualify for this pathway if they:

1. are enrolled in the Hunter NFS major

2. have upper-division status and have fulfilled the prerequisite coursework by the end of spring semester of the Junior year (see “Prerequisite” chart below)

3. provide an official transcript verifying an overall grade point average of at least 3.5 and at least 3.2 GPA in all required sciences with no grade less “C” for the Sciences and Statistics and no grade less than a “B” for the Introductory Nutrition and Food Science courses.

4. have received the consent of the DPD Director, and provide a declaration of intent from the DPD Director showing a plan to complete the DPD requirements and receive a BS/MS degree.

Prerequisite courses

**CHEM 10000 - Essentials of General Chemistry Lecture**

GER 2/E

Essential facts, laws, and theories of general chemistry.

*Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*

4 hrs (3 lec, 1 rec) 3 cr.

**CHEM 10100 - Essentials of General Chemistry Laboratory**
GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec)1.5 cr.

CHEM 12000 - Essentials of Organic Chemistry Lecture

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10000
4 hrs (3 lec, 1 rec)3 cr.

CHEM 12100 - Essentials of Organic Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10100prereq or coreq: CHEM 12000
4 hrs (3 lab, 1 rec)1.5 cr.

BIOL 12000 - Anatomy and Physiology I

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.
Not accepted for credit toward the biology major.
prereq: CHEM 10000, 10100coreq: CHEM 12000, 12100
6 hrs (3 lec, 3 lab)4.5 cr.
fall only

BIOL 12200 - Anatomy and Physiology II

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.
Not accepted for credit toward the biology major.
prereq: BIOL 12000 or equiv.
6 (3 hrs lec, 3 hrs lab)4.5 cr.
spring only

BIOL 23000 - Fundamentals of Microbiology

GER 3/B
Topics include scope, historical aspects, taxonomy, survey of the microbial world, viruses, infectious diseases, control of microorganisms and immunology. Required for admission to the nursing program.
Not accepted for credit toward the biology Major I.
prereq: CHEM 10000, 10100, 12000, 12100 or equiv; BIOL 12000coreq: BIOL 12200
5 hrs (2 lec, 3 lab)3 cr.
spring only

**NFS 14100 - Nutrition**

Fundamentals of the science of nutrition as they apply to individuals and society.  
*Open to all students.*  
3 hrs3 cr.

**NFS 13100 - Food Science I**

Basic principles of the chemical and physical nature of foods, food sanitation and safety; the nutritional value of food in relation to storage, processing and preparation.  
*Open to all students.*  
3 hrs3 cr.

**STAT 11300 - Elementary Probability and Statistics**

GER 1/B  
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing.  
Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

*prereq:* MATH 10100 or appropriate score on placement exam  
*prereq or coreq:* ENGL 12000  
3 hrs3 cr.

-or-

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B  
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.  
*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*  
4 hrs4 cr.

Students take graduate courses after completing 96 credits

Students must have completed 96 credits before they can start taking graduate courses. An overall GPA (combined grade point average from all postsecondary institutions attended) of 3.5 (upon completion of 96 cr) is required for consideration. *Because of the competitive nature of the applicant pool and the small size of the incoming class, the admission process may favor applicants with an overall GPA greater than 3.5.*

Undergraduates admitted to the program take graduate courses during their senior year and will be able to complete the MS-DPD degree one year after they complete the requirements for the BS (NFS) degree. These students will be admitted directly into the MS-DPD program without having to take the GRE exam. Upon completion of the requirements for the MS degree, both the BS and MS degrees will be awarded. These students will pay undergraduate tuition rates up to the number of credits required to earn a baccalaureate degree (120 cr) and credits taken after that
number toward the combined dual degree will be paid at the graduate level. Students interested in this accelerated program should speak to the adviser in the Nutrition track during their sophomore year to review the curriculum path for the five-year program.

Students who have been provisionally accepted into the MS-DPD program but who do not maintain the required GPA will not be admitted to the MS-DPD program but will be eligible to receive a BS (NFS) degree from Hunter provided that they fulfill all other academic requirements for their undergraduate degree.

**Curriculum Requirements**

The accelerated BS/MS is a 137-credit program

**Other Degrees**

**List of Approved Courses for GER Core Stage 1: Academic Foundations**

**Stage 1A English Composition: 3 credits**

This requirement introduces expository writing and academic discourse. Through reading, writing and rewriting, students learn to generate, explore and refine their own ideas, analyze and evaluate intellectual arguments, take positions and support them persuasively and write with sound grammar, varied sentence structure, logic and coherence.

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

*prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.*

**Stage 1B Quantitative Reasoning: 3 credits**

The goal of this requirement is to develop competence in mathematical and quantitative reasoning, including the use of numerical and graphical data in making judgments on personal, professional and public issues. Students who place out of MATH 125 are exempt from this requirement.

**CSCI 12100 - Computers and Money: Quantitative Reasoning in Context**

GER 1/B
Quantitative reasoning tackled from a computer based perspective and focusing on practical financial topics—stocks, gambling, inflation, diversification, taxes, hedging, saving, real estate, retirement and others. Students take a hands-on, spreadsheet-based approach to understanding issues of money and personal finance.

*This course cannot be counted towards the CSCI major.*

*prereq: none
3 hrs 3 cr.*

**ECO 22100 - Economic Statistics I**
GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.
*prereq: MATH 12500 or exemption from the course*
3 hrs 3 cr.

**MATH 10000 - Basic Structures of Mathematics**

GER 1/B
Not open to students who have received credit for any math or stat course that satisfies the GER 1/B requirement. Not recommended for students majoring in mathematics, statistics, computer science, or natural sciences. Symbolic logic, sets, number systems, relations and operations and topics in probability and statistics. This course is a terminal course and does not serve as a prerequisite to any other course in the department
*prereq: CUNY Math Proficiency*
3 hrs 3 cr.

**MATH 10200 - Mathematics and Everyday Life**

GER 1/B
Students will learn how to model real world problems with mathematics, and learn techniques for solving them. Topics include personal finance, statistical reasoning, probability, exponential growth, and voting theory.

*prereq: CUNY Math Proficiency*
3 hours 3 credits

**MATH 10400 - Mathematics for Elementary Education I**

GER 1/B
Fundamental and relevant mathematics as recommended by the NCTM for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers and number theory. Required of students planning to teach in elementary schools. Not open to other students.

*prereq: grade of C or better in MATH 10100 or appropriate score on the placement exam*
3 hrs 3 cr.

**MATH 10500 - Mathematics for Elementary Education II**

GER 1/B
Continuation of MATH 10400. Continuation of the content of the mathematics recommended by the NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence and similarity.

*prereq: grade of C or better in MATH 10400*
3 hrs 3 cr.

**MATH 11000 - Topics in the Mathematical Sciences**

GER 1/B
Not open to students who have completed MATH 10500, 16000 or 26000. Intended for liberal arts or social science students. Applications of topics selected from algebra, analysis, computer science, geometry, probability and statistics.

*prereq: college-level mathematics or statistics course*
3 hrs 3 cr.
MATH 11100 - Matrices, Vectors and Linear Programming

GER 1/B
Not open to students who have completed MATH 16000 or 26000. Recommended for accounting students; not recommended for students majoring in mathematics or statistics. Introduction to matrices and vectors, systems of linear equations and linear programming with applications.
prereq: MATH 10100 or appropriate score on placement exam
3 hrs3 cr.

MATH 12500 - Precalculus

GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.
prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
4 hrs4 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs3 cr.

STAT 11000 - Selected Topics in Elementary Probability and Statistics as Applied to Popular Science and Current Events

GER 1/B
Topics to be studied in any given term will be announced prior to registration. This course does not serve as a prerequisite for any other mathematics or statistics course. This course is a topics course that serves as an introduction to selected topics in probability and statistics with applications to the real world.
prereq: CUNY Math Proficiency
3 hrs3 cr
STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs3 cr.

STAT 21200 - Discrete Probability

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

Stage 1C US History: 3 credits

This requirement introduces portions of the history of the United States covering periods of time sufficiently long to reveal the historical dynamic and bring understanding of the historical contexts that have created our social and political institutions. It emphasizes the importance of the historical perspective and method, an understanding of how, where and why change has occurred over time and an awareness that the world we live in has been influenced by the past.

HIST 15100 - The United States from the Colonial Era to the Civil War (W)

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War. Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.
**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.
*Courses at the 300-level and above not offered to freshmen.*
*prereq or coreq: ENGL 12000*
3 hrs 3 cr.

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.
*prereq or coreq: ENGL 12000 or its equivalent*
3 hrs 3 cr.

**List of Approved Courses for GER Core Stage 2: Broad Exposure**

Stage 2A Survey of Literature Written in English: 3 credits

**ENGL 22000 - Introduction to Literature**

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students' understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.
*prereq: ENGL 12000*
3 hrs + conf 3 cr.

**AFPRL 23500 - African Literature (W)**

GER 2/A PD/A
Introduction to contemporary African literature originally written in English. The course is conducted in English; all course requirements are in English.
*prereq: ENGL 12000*
3 hrs 3 cr.

**AFPRL 23600 - African American Literature (W)**

GER 2/A PD/B
Introduction to African American writing, from earliest expressions to present.
*prereq: ENGL 12000*
3 hrs 3 cr.

**AFPRL 23700 - African Caribbean Literature (W)**
GER 2/A PD/A or B
Introduction to the historical development and major artistic preoccupations of Caribbean literature. The course is conducted in English; all course requirements are in English.

prereq: ENGL 12000

3 hrs 3 cr.

AFPRL 23800 - Introduction to the Literature of the African Diaspora (W)

Introduction to a cross-section of texts that contribute to the creation and development of an African Diaspora literary tradition.

GER 2/A PD/A or B

prereq: ENGL 12000

3 hrs 3 cr

Stage 2B Social Science: People and Their Societies: 6 credits

Africana and Puerto Rican/Latino Studies

AFPRL 10000 - Introduction to Black Politics

General survey of politics of African world with major emphasis on politics in Black America.

GER 2/B PD/B

3 hrs 3 cr

AFPRL 10100 - Introduction to Africana Studies

Introduction to the history and culture of Africa and the African diaspora.

GER 2/B PD/A or B

3 hrs

AFPRL 10200 - Latino Communities in the United States

GER 2/B PD/B

Migration, ethnicity, community life and public policy issues of Latino groups compared to the Puerto Rican experience.

3 hrs 3 cr.

AFPRL 10300 - Conquest and Resistance: Puerto Rican Experiences in Comparative Perspective

GER 2/B PD/B

Introductory study of the Puerto Rican experience compared with experiences of Native and African Americans, Chicanos and Pacific Island peoples in the territorial expansion of the United States.

3 hrs 3 cr.
AFPRL 20100 - African History from Human Origins to 1600 CE

GER 2/B PD/A
African history from ancient times with emphasis on endogenous African development of civilizations and complex economic, technological and cultural systems over time.
3 hrs 3 cr.

AFPRL 20200 - African History Since 1600 CE

GER 2/B PD/A
Main currents of African history from 1600 CE to present
3 hrs 3 cr.

AFPRL 20300 - African American History I

GER 2/B PD/B
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.
3 hrs 3 cr.

AFPRL 20400 - African American History II

GER 2/B PD/B
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.
3 hrs 3 cr.

AFPRL 20500 - African American Politics of Social Change

GER 2B PD/B
The Civil Rights Movement and social change in U.S. Since 1954.
3 hrs 3 cr.

AFPRL 20900 - Introduction to Caribbean History to 1900

GER 2/B PD/A
Introduction to the major themes in Caribbean history to 1900.
prereq: ENGL 12000
3 hrs 3 cr.

AFPRL 21000 - Introduction to Caribbean History: 1900 - Present

GER 2/B PD/A
Introduction to the major themes in Caribbean history after 1900.
prereq: ENGL 12000
3 hrs 3 cr.

AFPRL 24100 - Puerto Rican History to 1897

GER 2/B PD/A
An examination of Taino society, Spanish colonialism, slave economy and the development of nationhood in the 19th
AFPRL 24200 - Puerto Rican History Since 1898
GER 2/B PD/A
Sociohistorical, political and economic analysis of Puerto Rico dating from the U.S. invasion to the present.
3 hrs 3 cr.

AFPRL 24400 - Puerto Ricans in the United States
GER 2/B PD/B
Survey of the origins, contemporary and future development of Puerto Ricans in the United States.
3 hrs 3 cr.

Anthropology

ANTHC 10100 - Introduction to Cultural Anthropology
GER 2/B PD/A
Comparative and historical examination of the human condition through a focus on diverse responses to universal problems, such as making a living, resolving conflict, organizing family/kin relations and finding meaning in the world.
3 hrs 3 cr.
offered every sem.

ANTHC 12600 - Introduction to Prehistoric Archaeology
GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs 3 cr.
offered every sem.

ANTHC 15100 - Introduction to Linguistics
GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.
3 hrs 3 cr.

Asian American Studies

ASIA 23002 - Asian American Communities and Mental Health
PD/B
Introduction to psychological experiences of Asian Americans, including historical, sociopolitical, and cultural influences that shape personality and mental health. Specific topics include stereotypes and racism, processes of acculturation and enculturation, ethnic identity development, interracial relationships, stressors and social support systems within Asian American communities, and culturally competent mental health treatment and service delivery.
3 hrs 3 credits
Economics

ECO 10000 - Introduction to Economics

GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics.
Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.
3 hrs 3 cr.

ECO 20000 - Principles of Economics: Microeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

ECO 20100 - Principles of Economics: Macroeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

Geography

GEOG 15000 - World Regional Geography

GER 2/B PD/A or D
A survey of the world’s major regions. Geographic concepts and principles are used to study the physical, economic, social and political conditions and problems in the culturally diverse world. Spatial expression of culture; specialized behavior patterns; adaptations and way of life in distinct environments. Regional interdependence; implications for development.
prereq: ENGL 12000
3 hrs 3 cr.
Offered fall and spring

History

HIST 11100 - World History to 1500

GER 2/B PD/A
The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional connections; the spread of civilization across the globe.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.
HIST 11200 - World History from 1500 to the Present

GER 2/B
The transition from relatively isolated individual cultures to an interrelated global network; the impact of the democratic and scientific revolutions; the development of nationalism and internationalism among the nations of the world.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 12100 - Early Modern Europe 1500 to 1815

GER 2/B PD/D
Transition from feudal society to national states; religious upheavals, expansion up to the French revolutionary era
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 12200 - 19th and 20th Century Europe (W)

GER 2/B PD/D
Scientific and industrial revolutions, liberalism, imperialism, socialism and fascism, total war, reconstruction.
*Courses at the 300-level and above not offered to freshmen.*
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 15100 - The United States from the Colonial Era to the Civil War (W)

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.
*Courses at the 300-level and above not offered to freshmen.*
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 15200 - The United States from the Civil War Era to the Present (W)

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.
*Courses at the 300-level and above not offered to freshmen.*
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 20100 - Ancient Civilization

GER 2/B
Development of civilization in the Near East. Its expansion under Greece and Rome to 500 CE in the Mediterranean basin.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 21000 - History of Judaism
GER 2/B
Survey of the Jewish religious tradition with attention to interactions between Judaism and other religions and to the role of Judaism in the formation of Christianity and Islam.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 27700 - East Asia to 1600**

GER 2/B PD/A
Survey of traditional cultures and sociopolitical structures of China, Japan, Korea and Vietnam to about 1600 AD.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 27800 - East Asia, 1600 to the Present**

GER 2/B PD/A
Coming of West to Asia and resulting processes of revolution and modernization after 1600 AD.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 28800 - History of Africa to the 19th Century**

GER 2/B PD/A
Survey of pre-colonial African societies with emphasis on economic and social institutions changing under the impact of the environment.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 28900 - Africa in the 19th and 20th Centuries**

GER 2/B PD/A
Historical explanation of independent Africa rising after colonialism and adjusting to modernization.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**Human Geography**

**GEOG 10100 - People and Their Environment**

GER 2/B
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. Contemporary economic, political and social patterns and problems are discussed.
GEOG 22100 - Economic Geography

GER 2/B
An introduction to the sub-discipline of economic geography, which will include an exploration of the history of both economics and geography, and a rigorous global approach to the subjects. Students will come to understand the history of the development of economic thought, leading up to, and transformed, by today’s crisis, as well as the particularly geographical nature of economic phenomena and processes, and the immense contributions geographers have made to the understanding of economics. Course focus is on the dominant form of global economic activity today, which is capitalistic, and the way this economic structure plays out through different geographies at different historical moments in time.
Not open to freshmen
prereq: GEOG 10100 or perm instr.
3 hrs3 cr.
Offered fall and spring

GEOG 22600 - Environmental Conservation: Resource Management

GER 2/B
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.

3 hrs3 cr.

GEOG 25100 - Geography of the United States and Canada

GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges
prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs3 cr.

GEOG 26000 - Geography of New York State

GER 2/B
The goals of the course are to learn about the geography of New York State – its physical environment, the distribution of its people and their activities, and the interrelationships between the people and the environment in NYS. and to apply geographic principles and reasoning to a real world situation where NYS is used as an example of regional analysis; and to explore, navigate through, and use the geographic information available on the Internet, especially the information provided by the State of New York. For those in the education sequence an addition goal is to gather and use information about NYS within the guidelines of the National Geography Standards for presentation at a grade-specific level.
prereq: GEOG 10100 or GEOG 15000 or perm instr.

3 hrs3 cr.

Macaulay Honors College

**MHC 15000 - MHC Seminar 2: Peopling of New York (W)**

Macaulay Honors College
Fulfills GER 2B, Social Science: People and Their Societies.
prereq: Open only to Macaulay Honors College students.
3 hours3 credits

**MHC 25000 - MHC Seminar 4: Shaping the Future of New York City (W)**

Macaulay Honors College
Fulfills GER 2B, Social Science: People and their Societies
prereq: Open only to Macaulay Honors College students.
3 hours3 credits

Mathematics and Statistics

**MATH 26100 - Mathematics in Human History (W)**

GER 2/B
A historical treatment of themes in mathematics, probability and statistics, with applications in the arts and sciences.
Roots of mathematics in non-Western cultures and contributions of women and minorities are included.
prereq: ENGL 12000, college-level mathematics course beyond MATH 10100
3 hrs3 cr.

Political Science

**POLSC 10000 - Introduction to Politics: Democracy, Anarchy and the State (W)**

GER 2/B
Introduction to some of the major questions, approaches, and texts of political science. Students will explore questions of power, coercion, virtue, democracy, conflict, and cooperation and read Plato, Aristotle, Weber, Lipset, Waltz, and Jervis, among others. Does not satisfy the major’s four subfield distribution requirement.

prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.
prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 11200 - Introduction to Political Theory (W)

GER 2/B
Selected writings of the great political thinkers. Recurrent problems of politics from Plato to the present.
prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 20000 - Interpreting Politics: An Introduction to Political Ideas (W)

GER 2/B or 3/B
An introduction to interpreting major political ideas and their significance in the contemporary world. Competing understandings of concepts such as freedom, equality, justice, citizenship, and legitimacy will be explored, in part by applying them to concrete political issues such as multiculturalism, economic distribution, and the death penalty.

prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

Psychology

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs 3 cr.

PSYCH 14000 - Psychology of Adjustment

GER 2/B
Styles of adjustment; social interaction; self-concept and self-esteem: stress management; alienation; failures of adjustment.
prereq: PSYC 10000
3 hrs 3 cr.

PSYCH 15000 - Human Development

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.
prereq: PSYC 10000
3 hrs 3 cr.

PSYCH 16000 - Evolution and Behavior
GER 2/B
Aggression, sleep, learning, communication, emotion, motivation and social behavior in human and other species; underlying mechanisms, development, evolutionary history.
prereq: PSYC 10000
3 hrs3 cr.

PSYCH 17000 - Psychology of Human Sexuality

GER 2/B PD/C
Psychological foundations, sexual development and response patterns; male and female roles; individual and social attitudes, legal issues.
cross-listed WGS 17000
prereq: PSYC 10000
3 hrs3 cr.

PSYCH 18000 - Brain and Behavior

GER 2/B
Brain structure, function and relation to behavior. Topics include the neural basis of perception, learning and memory, consciousness, motivation, emotion.
prereq: PSYC 10000
3 hrs3 cr.

PSYCH 19000 - Development of Gender Roles

GER 2/B PD/C
Social, cognitive, hormonal and personality factors in development of gender roles; determinants of behavioral and cognitive gender differences.
cross-listed WGS 19000
prereq: PSYC 10000
3 hrs3 cr.

PSYCH 19500 - Special Topics in Psychology I

GER 2/B
Readings and discussions on a selected problem or topic area. Topics vary from semester to semester.
prereq: PSYC 10000
3 hrs3 cr.

Religion

REL 20800 - Religion and Social Justice (W)

GER 2/B PD/D
An exploration into religious perspectives on such social issues as war, race, the economy and gender relations.
prereq: ENGL 12000
3 hrs3 cr.

Sociology
SOC 10100 - Introduction to Sociology

GER 2/B
Development of sociological imagination through introduction and application of basic concepts incorporating global and comparative perspectives.

3 hrs3 cr.

Urban Affairs and Planning

URBS 10100 - Urban Life: Personal and Observational View (W)

GER 2/B
Introduction to urban studies allowing students to translate personal knowledge and experience of New York City to more theoretical understanding of urbanism. Includes four projects dealing with mapping, immigration, census data analysis, and local development issues.

3 hrs3 cr.

URBS 10200 - Structure of Urban Region (W)

GER 2/B
Introduction to forces shaping institutions and life of contemporary American urban regions. Focus on evolving metropolitan economic, social, demographic, spatial, and political systems, and their relevance to current policy.

prereq: URBS 10100 or relevant intro course (e.g., ECO 10000 or 20100-20200; GEOG 10100, PLSC 11100, SOC 10100) or perm instr.

3 hrs3 cr.

URBS 20100 - Urban Plans and Policies

GER 2/B
Includes the study of the policy making process, major plans/policies (e.g. War on Poverty, urban renewal, neighborhood rezoning), “politics/power,” the role of non-profits in urban planning and policy making.

prereq: URBS 10200 or 6 cr. intro social science courses or perm instr.

3 hrs3 cr.

Women and Gender Studies

WGS 10000 - Introduction to Women Studies

GER 2/B PD/C
Traditional definitions of women's nature in myth and symbol, media and popular culture, theories of gender in biology and psychology; women's role in family structures; women's relations to religion, education, health, work and politics. Examples are cross-cultural, contemporary and historical.

3 hrs3 cr.

WGS 17000 - Psychology of Human Sexuality

GER 2/B PD/C
Psychological foundations, sexual development and response patterns; male and female roles; individual and social
attitudes, legal issues.

cross-listed PSYCH 17000
prereq: PSYCH 10000
3 hrs 3 cr.

WGS 19000 - Development of Gender Roles

GER 2/B PD/C
Social, cognitive, hormonal and personality factors in development of gender roles; determinants of behavioral and
cognitive gender differences.
cross-listed PSYCH 19000
3 hrs 3 cr.

Stage 2C Humanities: Cultures and Ideas: Literature, Philosophy,
Classics: 3 credits

Africana and Puerto Rican/Latino Studies

AFPRL 14100 - Puerto Rican Folklore

GER 2/C PD/A or B
Study of Puerto Rican folklore: traditional beliefs, legends, religious rites and typical music.
3 hrs 3 cr.

AFPRL 18100 - Language and Ethnic Identity

AFPRL 18200 - Culture and Ethnic Identity

AFPRL 22000 - African Spirituality in the Diaspora

GER 2/C PD/A or B
The nature and expressions of the spiritual ethos enabling the survival of classical African human values in
dehumanizing circumstances during and after enslavement in North America, South America and the Caribbean.
3 hrs 3 cr.

AFPRL 22200 - African Civilization

GER 2/C PD/A
Introduction to study of African civilization.
3 hrs 3 cr.

AFPRL 24300 - Puerto Rican Culture

GER 2/C PD/A or B
General study of Puerto Rican culture and ethnic mixtures that went into making of that culture.
3 hrs 3 cr.

Arabic
ARB 25000 - The Arab Novel (in translation) (W)

GER 2C, PD/A
A consideration of Arab novels as a source for understanding issues such as urbanization, war, imperialism, nationalism, gender, as well as the politics of translation.
prereq: ENG 22000 or equiv.
3 hrs 3 cr.

ARB 25200 - Literatures from the Islamic World (W)

GER 2C, PD/A
A survey of literary genres and themes from the Islamic World from the 7th to the 15th century.
prereq: ENGL 12000 or equivalent
3 hrs credits

ARB 25300 - Literatures and Cultures of Muslim Spain (W)

GER 2C, PD/A
A survey of the literary and cultural history of Muslim Spain, 8th - 15th century C.E.
prereq: ENGL 12000 or equivalent
3 hrs 3 credits

ARB 25400 - The Arabian Nights East and West (W)

GER 2C, PD/A
The course studies not only the stories of the Arabian Nights (1001 Nights), but also the history of the translation and adaptation of the Nights into European languages.
prereq or coreq: ENGL 12000 or equivalent
3 hrs 3 credits

Chinese

CHIN 11100 - Chinese Culture I

GER 2/C PD/A
Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English.
3 hrs 3 cr.

CHIN 11200 - Chinese Culture II

GER 2/C PD/A
Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.
3 hrs 3 cr.

CHIN 25100 - Topics in Chinese Literature in English Translation (W)

GER 2/C
Including 20th-century literature, contemporary literature.
prereq: ENGL 12000
3 hrs 3 cr.
CLA 10100 - Classical Mythology
GER 2/C PD/D
Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and theories.
3 hrs 3 cr.

CLA 11000 - The Greek and Latin Roots of English
GER 2/C
Elements of language structure; how languages work; elements of Latin and Greek in English vocabulary.
3 hrs 3 cr.

CLA 20100 - Greek Civilization (W)
GER 2/C PD/D
Ancient Greek culture: art and literature, religion, philosophy, economics, politics, education, and athletics.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 20300 - Roman Civilization (W)
GER 2/C PD/D
Ancient Roman culture: art and literature, law, architecture, engineering, economics, popular culture, leisure activities.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 20400 - Introduction to Classical, Near Eastern, and Egyptian Archaeology (W)
GER 2/C
Introduction to ancient archaeology, including Greece and Rome, Mesopotamia, Egypt, Anatolia, and the Levant.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 25000 - Greek and Roman Tragedy (W)
GER 2/C PD/D
A study of plays of Aeschylus, Sophocles, Euripides, and Seneca in their literary, religious, and social contexts.
prereq: ENGL 12000 recom: CLA 10100
3 hrs 3 cr.

CLA 25100 - Ancient Comedy (W)
GER 2/C PD/D
Aristophanes, Menander, Plautus, and Terence, with a consideration of their influence on Western comic tradition.
CLA 25300 - Homer and Vergil (W)

GER 2/C PD/D
Ancient narrative song and poetry, with emphasis on the Iliad and Odyssey of Homer and the Aeneid of Vergil.  
prereq: ENGL 12000 recom: CLA 10100
3 hrs 3 cr.

English

ENGL 25000 - Topics in Literature

GER 2/C, PD/A or B or C or D
Specific critical and thematic approaches to selected works of literature written in English. Course may be taken twice if the topic differs, but not more than twice. Some topics in ENGL 250 satisfy PD requirements in categories A, B, C, or D. Check in the schedule of classes and with an undergraduate adviser.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 25100 - Topics in Literature

GER 2/C PD/A
Specific critical and thematic approaches to selected works of literature written in English. Course may be taken twice if the topic differs, but not more than twice. Some topics in ENGL 250 satisfy PD requirements in categories A, B, C, or D. Check in the schedule of classes and with an undergraduate adviser.
prereq: ENGL 22000
3 hrs 3 cr.

Film and Media Studies

MEDIA 18000 - Introduction to Media Studies

GER 2/C
Social, political, and economic factors that determine and shape products of media organizations.
3 hrs 3 cr.

French

FREN 24100 - Early French Civilization: From Gothic to Revolution

GER 2/C PD/D
Conducted in English; readings in English.
3 hrs 3 cr.

FREN 24200 - Modern French Civilization: From Revolution to Present
GER 2/C PD/D
Conducted in English; readings in English.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
3 hrs3 cr.

German

GERMN 24000 - German Thought and Culture: A Survey (W)

GER 2/C PD/D
Discussion of the German contribution in the fields of art, literature, music, philosophy in historical perspective.
(Conducted in English) Note: No knowledge of German required.
prereq or coreq: ENGL 12000
3 hrs3 cr.

GERMN 24100 - German Fairy Tales in Translation (W)

GER 2/C PD/D
Reading and discussion of traditional and literary fairy tales of Germany. cross-cultural comparison of various fairy-story traditions; development of motifs through various ages and cultures.
(Conducted in English) Note: No knowledge of German required.
prereq or coreq: ENGL 12000
3 hrs3 cr.
*No “W” designation when offered in Winter Session

Hebrew

HEBR 21100 - Masterpieces of Medieval Hebraic Literature in Translation (W)

GER 2/C PD/D
Selections from major works reflecting Jewish life and thought in medieval Islamic world and Christendom.
3 hrs3 cr.

HEBR 21200 - Readings in Modern Hebrew Literature in Translation (W)

GER 2/C
Survey of Hebraic literature from Enlightenment movement to present.
3 hrs3 cr

HEBR 24000 - Introduction to the Old Testament

GER 2/C PD/A
Survey of the books of the Old Testament, their form, content and cultural background. Introduction to the tools and methods of modern biblical criticism.
3 hrs3 cr

HEBR 25900 - Old Testament Religion
GER 2/C PD/A
Comprehensive survey of ancient Israelite religious practice, expression and thought as reflected in Hebrew Bible. 
3 hrs 3 cr

HEBR 28800 - Ancient Hebraic Folklore

GER 2/C PD/A
Analysis and comparative study of folk beliefs, practices and literature reflected in Hebrew Bible, apocryphal literature and rabbinic Aggada. 
3 hrs 3 cr

HEBR 29000 - Biblical Archaeology

GER 2/C PD/A
Study of Biblical sources in translation in relation to major archaeological discoveries in Israel and Near East. 
3 hrs 3 cr

HEBR 29200 - The Hebrew Prophets

GER 2/C PD/A
Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical and religious thought. 
3 hrs 3 cr

HEBR 29500 - Ancient Hebrew Law

GER 2/C PD/A
Historical and comparative study of Biblical and rabbinic law. 
3 hrs 3 cr

Italian

ITAL 26000 - Modern Italian Short Story (W)

GER 2/C PD/D
In English. Study of the main literary trends in short story form, including Naturalism, Neorealism, Existentialism and Surrealism. 
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two. 
prereq: ENGL 120 or equiv. 
3 hrs 3 cr.

ITAL 28000 - The Italian Renaissance: An Introduction

GER 2/C PD/D
In English. An introduction to the literature of the Italian Renaissance and the major humanist figures in art, politics, philosophy and science. 
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two. 
prereq: ENGL 12000 
3 hrs 3 cr.
ITAL 33400 - Italian Civilization in the Baroque, in English

GER 2/C PD/D
An introduction to the main artistic, philosophical, scientific and literary achievements in Italy in the 17th century.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 22000 or AFPL 23500, 23600 or 23700 or any courses in literature in translation
3 hrs3 cr.

ITAL 33500 - Italian Culture I

GER 2C
In English. Main intellectual-artistic currents from the 12th to 15th century.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs3 cr.

ITAL 33600 - Italian Culture II

GER 2C
In English. Main intellectual-artistic currents from the 16th to 20th century.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 120
3 hrs3 cr.

ITAL 33700 - Italian Women Writers from the Middle Ages to the 18th Century, in English

GER 2C PD/C
Study of such writers of prose and poetry as St. Catherine of Siena, La Compiuta Donzella, Veronica Gambara, Gaspara Stampa, Vittoria Colonna, Diodada Saluzzo.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs3 cr.

ITAL 33800 - 19th and 20th Century Italian Women Writers, in English

GER 3/A PD/C
Study of such representative writers as Sibilla Aleramo, Elsa Morante, Natalia Ginzburg, Dacia Maraini, Margherita Guidacci, Maria Luisa Spaziani.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs3 cr.

Japanese
JPN 25100 - Japanese Culture Before 1600

GER 2C PD/A
Designed for students who wish to become acquainted with Japanese culture. It will cover the periods from pre-history to 1600 and focus on elements that helped shape contemporary Japanese culture. Taught entirely in English.
3 hours3 credits

JPN 25200 - Japanese Culture Since 1600

GER 2C PD/A
Designed for students who wish to become acquainted with Japanese culture. It will cover the Edo Period and Modern Japan—including contemporary Japanese culture. Taught entirely in English. JPN 251 is not prerequisite.
3 hours3 credits

Philosophy

PHILO 10100 - Introduction to Philosophy

GER 2/C
Examination of basic philosophical questions through study of selected philosophical classics.
3 hrs3 cr.
offered each semester

PHILO 10300 - Introduction to Logic and Critical Thinking

GER 2/C
Recognizing arguments; traditional logic including concepts, propositions, categorical, hypothetical and disjunctive syllogisms; argument structure, natural language argumentation, fallacies.
3 hrs3 cr.
offered each semester

PHILO 10400 - Introduction to Ethics

GER 2/C
Examination of standards of right conduct and the good life through study of selected philosophical classics.
3 hrs3 cr.
offered each semester

PHILO 10600 - Philosophy, Politics and Society

GER 2/C PD/D
Introduction to social and political philosophy.
3 hrs3 cr.
offered each semester

PHILO 20300 - Great Philosophers: Ancient and Medieval

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the dawn of philosophy in ancient Greece to the time of the Renaissance.
PHILO 20400 - Great Philosophers: Modern and Contemporary

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the rise of modern philosophy in the 17th century to the present.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

Religion

REL 11000 - Nature of Religion (W)

GER 2/C
Study of basic facets of religion: God, ethics, worship, faith, myth, ritual, symbolism, etc.

3 hrs 3 cr.

REL 11100 - Approaches to Religion (W)

GER 2/C
Different understandings of religion: sociological, anthropological, psychological, philosophical, theological.

prereq: ENGL 12000
3 hrs 3 cr.

REL 20400 - Religious Experience (W)

GER 2/C PD/D
Cross-cultural analysis of religious experiences: Biblical, ancient Greek, Asian, modern Western.

prereq: ENGL 12000
3 hrs 3 cr.

REL 20500 - Faith and Disbelief (W)

GER 2/C PD/D
Examination of questions of faith and disbelief in modern Western thought.

prereq: ENGL 12000
3 hrs 3 cr.

REL 20600 - Ideas of God in Contemporary Western Thought (W)

GER 2/C PD/D
Survey of representative schools of current Western religious thought: Christian theism, metaphysical protest, process theology, feminist theology, liberation theology, beyond theism thought.

prereq: ENGL 12000
3 hrs 3 cr.

REL 20700 - Religious Sources for Morality (W)
GER 2/C PD/D
Religious reasons for determining good and evil; religious sources for ethical decisions.
prereq: ENGL 12000
3 hrs3 cr.

REL 25100 - Eastern Religions (W)

GER 2/C PD/A
Study of Hinduism, Buddhism, Jainism, Taoism and Confucianism.
prereq: ENGL 12000
3 hrs3 cr.

REL 25200 - Ancient Near Eastern Religions (W)

GER 2/C PD/A
Study of Egyptian religion, religions of Sumer and Babylonia, religion of the early Hebrews (including the Old Testament).
prereq: ENGL 12000
3 hrs3 cr.

REL 25300 - Western Religions (W)

GER 2/C PD/D
Survey of major Western religions – Christianity, Judaism, Zoroastrianism and Islam.
prereq: ENGL 12000
3 hrs3 cr.

REL 25400 - Tribal Religions: From Australia to the Americas (W)

GER 2/C PD/A or B
Study of indigenous religions of Pacific Islanders and North American Indians.
prereq: ENGL 12000
3 hrs3 cr.

REL 25500 - Religions of Two Gods (W)

GER 2/C PD/A
A survey of historical varieties of dualistic religion both classical and modern which inquires into the moral grounds for their recurring appeal.
prereq: ENGL 12000
3 hrs3 cr.

REL 25600 - Afro-Caribbean Religions (W)

GER 2/C PD/B
An introduction to the diversity of African-based religions in the Caribbean and beyond.
prereq: ENGL 12000
3 hrs3 cr.

REL 27000 - Religion and Psychology (W)
An examination of ways in which psychology understands, describes, values (or devalues) religion using the media of text, story and film.

*prereq:* ENGL 12000
3 hrs3 cr.

**Russian**

**RUSS 15500 - The Culture of Old Russia**

GER 2/C PD/D
Religion, art, architecture and daily life in medieval Russia.
*prereq:* ENGL 12000
3 hrs3 cr.

**RUSS 15600 - Culture of Imperial Russia: the Age of Empresses**

GER 2/C PD/C
Major cultural movements of the Empire baroque, classicism, romanticism and their effect on the cultural fabric of Russia from Regent Sophia through the reign of Peter to Catherine the Great.
*cross-listed* WGS 15600
*prereq:* ENGL 12000
3 hrs3 cr.

**RUSS 15700 - The Age of the Great Masters**

GER 2/C PD/D
Russian culture as shaped by the great masters of Russian literature, art and music in the late 19th and early 20th centuries.
*prereq:* ENGL 12000
3 hrs3 cr.

**RUSS 15800 - Contemporary Russian Culture**

GER 2/C
Survey of Russian culture from Stalin to present exploring the relationship between the arts and the state apparatus. Consideration of such figures as Pasternak, Solzhenitsyn, Yevtushenko, Prokofiev, Tarkovsky and the Taganka Theatre.
*prereq:* ENGL 12000
3 hrs3 cr.

**RUSS 25000 - 19th Century Russian Literature in English Translation (W)**

GER 2/C PD/D
Pushkin's Eugene Onegin, Lermontov's Hero of Our Time, Gogol's Dead Souls, Turgenev's Fathers and Sons and others.
*prereq:* ENGL 12000
3 hrs3 cr.

**RUSS 25200 - Modern Russian Literature in English Translation (W)**
GER 2/C PD/D
Gorky, Mayakovksy, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25300 - Russian Theater in English Translation (W)

GER 2/C PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Chekhov, Pushkin, Gogol and others.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25400 - The Silver Age of Russian Literature in English Translation (W)

GER 2/C PD/D
Major writers and movements of the years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25500 - Russian Folklore, in Translation (W)

GER 2/C PD/D
Common Slavic myths and traditions.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 27000 - Soviet and Post-Soviet Cinema and Society (W)

GER 2/C
Exploration of how Soviet cinema affected the cultural aesthetic sensibilities of the Russian people through its influence on Russian literature, theater and painting. Analysis of works of film directors, film theoreticians, writers, theatrical directors and artists.
3 hrs3 cr.

RUSS 29500 - The Vampire in Lore and Literature

GER 2/C
Comparative study of the vampire in various folk and literary traditions from ancient Greece to the 21st century.
prereq: ENGL 22000
3 hrs3 cr.

Spanish

SPAN 24100 - Civilization of Spain, in English

GER 2/C PD/D
An integrated presentation of Spanish civilization, combining historical with literary and other cultural aspects.
prereq: ENGL 12000
3 hrs3 cr.

Theatre

THEA 21100 - World Theatre I (W)
GER 2/C PD/D
Survey of international theatre from its pre-Greek origins to the Spanish Golden Age.
prereq: ENGL 12000, THEA 10100
3 hrs3 cr.

THEA 21200 - World Theatre II (W)
GER 2/C PD/D
Survey of international theatre from the Elizabethan period to Wagner.
prereq: ENGL 12000, THEA 10100
3 hrs3 cr.

THEA 21300 - World Theatre III (W)
GER 2/C PD/D
Survey of international theatre from 19th-century Naturalism to the present day.
prereq: ENGL 12000, THEA 10100
3 hrs3 cr.

Women and Gender Studies

WGS 15600 - Culture of Imperial Russia: The Age of Empresses
GER 2/C PD/C
Major cultural movements of the Empire baroque, classicism, romanticism and their effect on the cultural fabric of Russia from Regent Sophia through the reign of Peter to Catherine the Great.
cross-listed RUSS 15600
prereq: ENGL 12000
3 hrs3 cr.

WGS 200XX - Special Topics in Women and Gender Studies
PD/A or B or C or D
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalism Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.
3 hrs3 cr.

Depending on topic may satisfy a GER requirement.
Stage 2D Visual and Performance Arts: Media, Art, Dance, Film, Music, Theatre: 3 credits

Arabic

ARB 25100 - Arab Cinema (in translation)

GER 2/D, PD/A
This course will introduce students to the history of Arab Cinema through readings and weekly screenings of films from all over the Arab World.

*prereq: ENGL 12000 or equivalent
3 hrs3 credits

Art

ARTH 11100 - Introduction to History of Art

GER 2/D PD/D
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.

3 hrs3 cr.

Dance

DAN 10200 - Dance, Dancers and the Audience

GER 2/D
Lecture demonstration course designed to introduce students to the art of dance through analysis of history, dance style and socio-political underpinnings. This course includes participation in both lecture and movement sessions.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

*prereq: minimum 12 cr.
3 hrs3 cr.

DAN 23200 - 20th-Century Dance History

GER 2/D PD/D
Readings, lectures, films, discussions of 20th century ballet, modern, social and popular theatre dance forms; analysis of individual styles and cultural trends.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

3 hrs3 cr.

Film and Media Studies

FILM 10100 - Introduction to Cinema
GER 2/D PD/D
Fundamental concepts of film and discussion of major critical systems. Screening of relevant films. 3 hrs 3 cr.

Humanities Interdisciplinary

HUM 20100 - Explorations in the Arts

GER 2D
Introduction to temporal and spatial arts with special emphasis on theatre, film, music, and visual arts. Focus on principles they share as well as on their distinguishing features. Attendance at artistic events in NYC. 3 hrs 3 cr.

Macaulay Honors College

MHC 10000 - MHC Seminar 1, The Arts in New York City (W)

Fulfills GER 2D, Visual and Performing Arts: Media, Art, Dance, Film, Music, Theatre
prereq: Open to Macaulay Honors College students only
3 hours 3 credits

Music

MUSHL 10100 - Introduction to Music

GER 2/D PD/D
For non-majors. Selected compositions primarily from the European tradition studied with aim to develop perceptive listening. 3 hrs 3 cr.

MUSHL 10700 - The World of Music

GER 2/D PD/A
For non-majors. Introduction to music from a spectrum of world cultures, including Africa, Asia, and the Caribbean. 3 hrs 3 cr.

MUSTH 10100 - Music Theory Fundamentals

GER 2/D
For non-majors. Introduction to music theory, sight singing, and ear training. 3 hrs 3 cr.

Theatre

THEA 10100 - Introduction to Theatre
GER 2/D
Study of elements of theatre arts acting, directing, playwriting, design from standpoints of both viewer and participant.
3 hrs 3 cr.

Stage 2E Natural Science: 7 credits

The goal of this requirement is to introduce students to the concepts and ways of thinking of the natural sciences. The sciences have intrinsic intellectual value, pursuing basic questions about the workings of the universe and the world around us. Students should be conversant with the rapid pace of scientific advances and able to make informed decisions about scientific matters in the public domain.

Note: Two courses are required, one of which must include a laboratory component.

Laboratory Courses:

Anthropology

ANTHP 10100 - Human Evolution

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

ANTHP 10200 - Human Variation

GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

Biological Science

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II
GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 15000 - CSI: HUNTER (Forensic Biology)

GER 2/E
An introductory laboratory course for non-biology majors. This lecture/laboratory course will cover the techniques used by forensic scientists to analyze a crime scene, and the biological concepts behind them. Through the topics that are covered, students will learn how biological evidence like fingerprints, hair, blood, and DNA are collected, analyzed, and presented as evidence to solve crimes.
6 hrs 4.5 cr.

BIOL 12500 - Human Biology

GER 2/E
An introductory laboratory course for non-biology majors. Explores the biology that underlies current health and disease topics (including diabetes, cancer, sexually transmitted diseases, nutrition). Using a topics approach, the course provides a survey of human anatomy and physiological function, along with the biological principles of genetics and cellular interactions that comprise our current understanding of the human organism. Laboratory exercises will introduce students to a scientific approach in studying human disease and physiology. The credits from this course will not count towards the Biology Major.
6 hrs 4.5 cr.

BIOL 16000 - Honors Principles of Biology II

GER 2/E PD/C or D
Physiological systems and their regulation: internal transport, hormones and gas exchange in plants and animals; osmoregulation; motility; nervous, neuroendocrine, immunological and sensory systems; behavior, reproduction and ecology. Students will read reviews of current research in addition to the required text. Guest speakers and class presentations.
Enrollment limited. Core credit awarded only if BIOL 10000 and 16000 are both completed. PD credit awarded only upon completion of BIOL 10000 and 16000.
prereq: grade of B or better in BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

Chemistry
(Core credit only if both lecture and the corresponding lab are completed)

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.
Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and
food science and community health education students.
4 hrs (3 lec, 1 rec)3 cr.

**CHEM 10100 - Essentials of General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec)1.5 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10500 - General Chemistry Laboratory II**

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.
Offered for transfer students who have completed only one semester of General Chemistry Laboratory.
prereq: One semester of General Chemistry Laboratory; prereq or coreq: CHEM 10400
4 hrs (3 lab, 1 rec)1.5 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

**CHEM 11100 - Chemical Principles**

GER 2/E
In-depth introduction to chemical principles including measurement, stoichiometric calculations, inorganic
nomenclature, gas laws, equilibrium, acids, bases and buffers. Emphasis is placed on problem-solving, oral presentations, and collaborative work. Laboratory and coursework emphasize analysis and evaluation of data. 

*Primarily for pre-med, medical laboratory sciences and science majors.*

**CHEM 11200 - Thermodynamics and Solution Chemistry**

GER 2/E

The study of quantum theory, atomic structure, periodic properties of the elements, kinetics, electrochemistry, and thermodynamics.

*Primarily for pre-med, medical laboratory sciences and science majors.*

prereq or coreq: MATH 12500 or equiv, MATH 12600

10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop) 5.5

offered fall

**CHEM 12000 - Essentials of Organic Chemistry Lecture**

GER 2/E

Course presents essential facts, laws and theories of organic chemistry.

*Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.*

prereq: CHEM 10000

4 hrs (3 lec, 1 rec) 3 cr.

**CHEM 12100 - Essentials of Organic Chemistry Laboratory**

GER 2/E

Experiments designed to illustrate fundamental laws and techniques of organic chemistry.

*Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.*

prereq: CHEM 10100 prerequisite or coreq: CHEM 12000

4 hrs (3 lab, 1 rec) 1.5 cr.

**Geography**

**PGEOG 13000 - Weather and Climate**

GER 2/E

Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.

5 hrs (3 lec, 2 lab) 4 cr.

*Offered in the Fall and Spring*

**Geology**
GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.

6 hrs (3 lec, 3 lab) 4.5 cr.
Offered fall and spring.

GEOL 10200 - Plate Tectonics and the Earth's Evolution

GER 2/E
The second course in geology offered to non-geology majors. It is designed to familiarize students with the main concepts used in deciphering and interpreting earth’s evolution from the spatial and temporal perspective. Topics to be covered include: geologic time; geological principles; earth materials as recorders of past geologic processes; depositional environments and sedimentary rock record; igneous and metamorphic geologic environments and their rock records; evolution of the solar system; plate tectonics and life on earth; origin of the universe; life on earth and the fossil record; Precambrian, Paleozoic, Mesozoic, and Cenozoic life, history and tectonics. Field trips may be required; transportation fee.

prereq: GEOL 10100
5 hrs (3 lec, 2 lab) 4 cr.
Offered fall.

GEOL 23100 - Principles of Geomorphology

GER 2/E or 3/B
Investigates the geologic forces that shape the surface of the Earth. In the laboratory students will learn to analyze features of the landscape and deduce the processes that produced them. Students will use traditional laboratories as well as Google Earth to learn about a variety of surficial processes.

prereq: PGEO 13000 or GEOL 10100
4 hrs (2 lec, 2 lab) 3 cr.

Physics and Astronomy

ASTRO 10100 - Basic Concepts of Astronomy with Laboratory Exercises

GER 2/E with lab
An introductory, one-semester astronomy course designed for non-science majors. Topics include: basic observational features of the night sky, and their explanations; Kepler’s laws of planetary motion; Newton's laws of motion and gravitation. Properties of light, and how it reveals the nature of its source. Origin, properties, and evolution of our solar system. The origin and evolution of stars, including giants, dwarfs, supernovae, neutron stars, and black holes. Structure of The Milky Way and other type of galaxies. Cosmology, Hubble's Law and the expanding universe, from the Big Bang to the present; future scenarios.

The lab consists of traditional hardware experiments and virtual online experiments.
Students taking this course will be required to submit online and hard-copy laboratory reports.

5 hrs 4 cr.

ASTRO 10700 - Laboratory Exercises in Astronomy
GER 2/E
Classroom and online experimental laboratory exercises in astronomy to observe the major features of the night sky, demonstrate the physical basis of astronomical instruments, and experiment with astronomical phenomena. Only offered to students who have previously taken ASTRO 100 which is no longer offered [ASTRO 100 + ASTRO 107 are replaced by ASTRO 10100].

prereq or coreq: ASTRO 10000
2 hrs 1 cr.

(together with ASTRO 10000 or equivalent)

PHYS 10100 - Study of Selected Phenomena and Basic Concepts of Physics

GER 2/E
Introductory one-semester physics course designed for non-science majors and others requiring a one-semester terminal course.
6 hrs (3 lec, 3 lab) 4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq or coreq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

Non-Laboratory Courses:
Computer Science

CSCI 12000 - Introduction to Computers

GER 2/E
Intended for non-majors. Basic concepts of computer technology. Principles of hardware operation, software and networking. Roles of computers in society, including ethical and legal issues.

*This course cannot be counted towards the CSCI major*

prereq: none
3 hrs3 cr.

CSCI 12700 - Introduction to Computer Science

GER 2/E
A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides.

*May not be used toward the CSCI major or minor.*

prereq or coreq: MATH 12100, 12500 or 15000
3 hrs3 cr.

CSCI 13300 - Programming for Everyone

GER 2/E
A comprehensive practical course in programming that concentrates on producing working software for games, simulations, animations, data manipulations, interacting with the Internet, graphical user interfaces and many other application areas. No programming experience is necessary. This course is required for Computer Science minors. This course does not count toward the computer science major.

3 hrs3 cr.

Geography

GEOL 18000 - Introduction to Oceanography

GER 2/E
Dynamic processes are responsible for the ocean’s influence on our environment and life cycles on earth. The course introduces students to the broad field of oceanography and specifically identifies areas which are of concern on both local and global scales. The origins of the oceans and life as it exists in today’s ocean will be covered. Lectures will include the sub-disciplines of biological, chemical, physical, and geological oceanography and concepts that relate to continental margins, ocean basins, sediments and seafloor spreading. Emphasis will be given to the interaction between the circulation of the atmosphere and ocean surface currents, deep ocean circulation, waves and tides. The coastal zone as a fragile environment will be highlighted in connection with dynamic physical and biological processes. No lab component.

3 hrs3 cr.

*Offered fall and spring.*
List of Approved Courses for GER Core Stage 3: Focused Exposure

Stage 3A Humanities or Visual and Performing Arts: 3 credits

Africana and Puerto Rican/Latino Studies

**AFPRL 32000 - African-Caribbean Culture (W)**

GER 3/A PD/A or B  
*prereq: AFPRL 20900 or 21000 or 22200*  
3 hrs 3 cr.

**AFPRL 32200 - African World View: Philosophy and Symbolic Thought (W)**

GER 3/A PD/A  
Examination of African religious systems, metaphysical conceptions and philosophy.  
*prereq: AFPRL 22200 or perm instr.*  
3 hrs 3 cr.  
*offered every other sem.*

**AFPRL 32300 - Islam and Christianity in Africa (W)**

GER 3/A  
Examination of relationship of Islam and Christianity to primary African religion and their political role in African history.  
*prereq: AFPRL 201 or 202 or 222 or perm instr.*  
3 hrs 3 cr.

**AFPRL 33000 - Autobiography as a Theme in Black Literature (W)**

GER 3/A  
Treatment of autobiographical works of Black authors in U.S., Caribbean and Africa during 19th and 20th centuries.  
*prereq: AFPRL 23600 or perm instr*  
3 hrs 3 cr.

**AFPRL 33600 - African-American Women Writers (W)**

GER 3/A PD/C  
African-American female authors from slavery to present: novels, short stories, essays, plays, poetry, teenage fiction and children's books.  
*cross-listed WGS 33600 (W)*  
*prereq: AFPRL 23600 or perm instr.*  
3 hrs 3 cr.

**AFPRL 33700 - Caribbean Women Writers (W)**
GER 3/A
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, creolization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.
*cross-listed WGS 33700 (W)*
*prereq: AFPRL 23600 or 23700 or ENGL 22000 or WGS 10000*
*3 hrs3 cr.*

**AFPRL 35500 - The African Image in 19th and 20th century Spanish Antillean Poetry (W)**

GER 3/A PD/A
The portrayal of the African image in Spanish Antillean poetry seen through the work and poetic trends of its major exponents.
*prereq: AFPRL 14300 or SPAN 20800, reading knowledge of Spanish*
*3 hrs3 cr.*

**AFPRL 35600 - Latino Literature in English (W)**

GER 3/A PD/B
Latino writing in English in the U.S.; analysis of cultural, linguistic and ideological factors as found in the work of such authors as Sandra Cisneros (Chicana), Pedro Pietri (Puerto Rican) and Oscar Hijuelos (Cuban-American).
*3 hrs3 cr.*

**AFPRL 36200 - Puerto Rican and Caribbean Religious Practices (W)**

GER 3/A PD/A or B
Reading knowledge of Spanish suggested. Analysis of roots of folk religion in Indian, African and Spanish cultures. Religious syncretisms, popular imagery and ritual practices.
*prereq: AFPRL 14100 or 24300*
*3 hrs3 cr.*

**AFPRL 39000 - Research Topics in Africana and Puerto Rican/Latino Studies (W)**

GER 3/A or B
Topics change according to instructor.
*Open to Jr/Sr only.*
*3 hrs3 cr.*

**AFPRL 44500 - Caribbean Short Story in Spanish: Readings and Theories**

GER 3/A
A critical study of the short story genre in the Hispanic Caribbean viewed in conjunction with contemporary literary theory.
*prereq or coreq: SPAN 20800*
*3 hrs3 cr.*

Art
• ARTH All 200- and 300-level ARTH courses (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

Classical and Oriental Studies

Chinese

CHIN 35500 - Classical Chinese Fiction in English Translation (W)

GER 3/A PD/A
Introduction to Chinese fictional writings from early times to 19th century, e.g., Dream of the Red Chamber, Monkey, All Men Are Brothers, Romance of the Three Kingdoms.
prereq: ENGL 12000
3 hrs3 cr.

CHIN 35700 - Chinese Poetry in English Translation (W)

GER 3/A PD/A
Major poets from the earliest times to the present day, with emphasis on the Tang period.
prereq: ENGL 12000
3 hrs3 cr.

Classics

CLA 20200 - Hellenistic Civilization (W)

GER 3/A PD/D
The Mediterranean world after Alexander the Great: synthesis of Greek and oriental cultures.
prereq: ENGL 12000, CLA 20100 or 20400
3 hrs3 cr.

CLA 21000 - The Greek and Roman Theatre (W)

GER 3/A
Components and functions of classical theatre: myth and ritual; mask and costume; staging and production; buildings.
prereq: ENGL 12000; CLA 20100 or 25000
3 hrs3 cr.

CLA 22000 - Aegean Archaeology (W)

GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 22100 - Greek Archaeology (W)

GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.
CLA 22200 - Roman Archaeology (W)

GER 3/A PD/D
Etruscan, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery.

prereq: ENGL 12000; CLA 20400
3 hrs3 cr.

CLA 22500 - Archaeology of Egypt (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Egypt, Giza, Thebes, Amarna; hieroglyphs, literature, tombs, religion, daily life.

prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 22700W - Archaeology of Eastern Mediterranean

GER 3/A PD/A
Cyprus, Southern Anatolia, Phoenicia, and Palestine, especially in Bronze Age.

prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 25400 - The Ancient Novel in Translation (W)

GER 3/A PD/D
Greek and Roman prose fiction: Petronius' Satyricon, Apuleius' Golden Ass, Achilles Tatius' Leucippe, Longus' Daphnis and Chloe, and Heliodorus' Ethiopian Tale.

prereq: ENGL 22000 or perm instr.
3 hrs3 cr.

CLA 30200 - Comparative Backgrounds of Classical Mythology (W)

GER 3/A PD/D
Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hittite, Ugaritic, and Celtic myths.

prereq: ENGL 12000; CLA 10100
3 hrs3 cr.

CLA 30300 - Religion of Ancient Greece (W)

GER 3/A
The Ancient Greek religious experience: official rites, mystery cults, oracles, personal religious belief, and practice.

prereq: ENGL 12000, CLA 10100 or 20100
3 hrs3 cr.

CLA 30400 - Pagans and Christians (W)
GER 3/A PD/D
Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.

prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 30500 - Women and Slaves in Classical Antiquity (W)

GER 3/A PD/C or D
Women and slaves in Greek and Roman society and their influence on Western attitudes about sex and class.
cross-listed WGS 30500 (W)
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 30800 - Magic and Science in the Ancient World (W)

GER 3/A
The interaction of scientific and magical world views in Greek, Roman and Near Eastern antiquity from the invention of writing to the origins of alchemy.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 31000 - Ancient Sports and Spectacles (W)

GER 3/A PD/D
An exploration of ancient Greek and Roman sports and spectacles, focusing on evidence supplied by literary texts, archaeology, and the visual arts.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 32200 - Archaeology of Mesopotamia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Mesopotamia. First villages, tombs of Ur, ziggurats, palaces, tablet literature.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32300 - Archaeology of Anatolia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Anatolia: Catal Huyuk, Troy, the Hittites, royal tombs of Phrygia and Lycia.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

Hebrew

HEBR 21400 - Maimonides' Guide to the Perplexed

GER 3/A PD/D
Study of this work in English with reference to Maimonides' influence on development of medieval Aristotelianism.
3 hrs3 cr
**HEBR 21500 - Hebraic and Judaic Culture and Thought in the Medieval Islamic World (W)**

GER 3/A PD/A PD/D
A study of medieval Hebraic and Judaic writings from North Africa and the Middle East in English translation. Emphasis will be given to the traditional as well as the innovative aspects of the material.

*prereq: ENGL 12000*
3 hrs 3 cr.

**HEBR 21800 - Masterpieces of Yiddish Literature in Translation (W)**

GER 3/A PD/D
Study of major works in Yiddish literature from Mendele Mocher Seforim to present.

*prereq: ENGL 22000*
3 hrs 3 cr

**HEBR 22000 - Israeli Cinema**

GER 3/A PD/A
Israeli cinema and the development of Israeli cultural identity. Designed for students of Hebrew studies and Film studies who are interested in the history of Israeli film and Israeli cultural identity as expressed in the Israeli cinema.

*cross-listed* cross-listed with FILM 21344

*prereq: ENGL 12000*
3 hrs 3 cr

**HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)**

GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.

3 hrs 3 cr

**HEBR 28400 - Images of Women in the Old Testament, in Translation**

GER 3/A PD/C
Depiction of women in ancient Israelite prose and poetry. Close reading and analysis of texts in terms of literary techniques, cultural background and ideological implications.

3 hrs 3 cr

**HEBR 28600 - Ancient Near Eastern Literature and the Bible**

GER 3/A PD/A
Comparative study of ancient Near Eastern literature and the Hebrew Bible.

3 hrs 3 cr

**HEBR 29400 - Job, Ecclesiastes and the Human Predicament**

GER 3/A PD/A
Study of form, content and religious significance of these two enigmatic masterworks.

3 hrs 3 cr
HEBR 29600 - The Dead Sea Scrolls in English

GER 3/A PD/A
Readings in the various genres of the scrolls; historical background of Qumran sect; significance of the scrolls for study of Judaism and Christianity.
3 hrs 3 cr

HEBR 31000 - Modern Hebrew Literature I

GER 3/A PD/D
Reading and discussion of selected works in prose and poetry of 19th-century authors.
prereq: HEBR 20200 or equiv. or exemption
3 hrs 3 cr

HEBR 31100 - Modern Hebrew Literature II

GER 3/A
Reading and discussion of selected works in prose and poetry of 20th-century authors.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr.

HEBR 31500 - Biblical Literature: Pentateuch

GER 3/A PD/A
Selections from Pentateuch.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr.

HEBR 31600 - Biblical Literature: Historical Books

GER 3/A PD/A
Selections from books of Joshua, Judges, Samuel and Kings.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr.

HEBR 31700 - Biblical Literature: Prophetic Books

GER 3/A PD/A
Selections from minor and major prophets.
prereq: HEBR 202 or equiv.
3 hrs 3 cr

HEBR 31800 - Biblical Literature: Hagiographa

GER 3/A PD/A
Selections from Job, Proverbs, Psalms and the five Magillot.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32000 - The Modern Hebrew Short Story
GER 3/A
Extensive reading of short stories from late 19th century to present, illustrating different literary trends.
\( \text{prereq: HEBR 20200 or equiv.} \)
3 hrs 3 cr.

HEBR 32100 - Talmudic Literature

GER 3/A PD/A
Selections from Talmud and Midrash.
\( \text{prereq: HEBR 20200 or equiv.} \)
3 hrs 3 cr

HEBR 32200 - Medieval Literature

GER 3/A PD/D
Selections from literature of Golden Age in Spain.
\( \text{prereq: HEBR 20200 or equiv.} \)
3 hrs 3 cr

HEBR 32300 - Poetry of the Modern Hebrew Renaissance Period

GER 3/A PD/D
Study of major works of Bialik, Tschernichovsky, Kahan and Shneour.
\( \text{prereq: HEBR 20200 or equiv.} \)
3 hrs 3 cr

HEBR 32400 - The Modern Hebrew Essay

GER 3/A PD/D
Study of selected essays of Ahad ha'Am, Berdichevsky and Frischman.
\( \text{prereq: HEBR 20200 or equiv.} \)
3 hrs 3 cr

HEBR 32500 - History of Modern Hebrew Literature

GER 3/A
Evolution of Hebrew literature from period of Enlightenment to contemporary Hebrew letters.
\( \text{prereq: HEBR 20200 or equiv.} \)
3 hrs 3 cr

HEBR 32600 - Hebrew Poetry Between the Two World Wars

GER 3/A
Study of Hebrew poetry since World War I. Emphasis on works of Greenberg, Schlonsky, Lamdan and Alterman.
\( \text{prereq: HEBR 20200 or equiv.} \)
3 hrs 3 cr

HEBR 32700 - The Modern Hebrew Novel
GER 3/A
Intensive study of a major novel by Agnon, Barash or Hazaz, with collateral readings in other Hebrew novels.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32800 - Contemporary Hebrew Prose

GER 3/A
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 33100 - Medieval Hebrew Philosophic Texts

GER 3/A
Study of selected chapters of Halevi's Kuzari and Maimonide' Moreh Nebukim (Guide to the Perplexed).
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

Russian

RUSS 25100 - Tolstoy and Dostoevsky in English Translation (W)

GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Dostoevsky's The Brothers Karamazov and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 26000 - Russian Women Writers in English Translation (W)

GER 3/A PD/C
cross-listed WGS 26000 (W)
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 29400 - Folklore and Literature (W)

GER 3/A PD/D
Students will be introduced to basic concepts of literature and folklore to increase, through a comparative study, their understanding and appreciation of both art forms. Works in English of major Russian writers such as Pushkin, Gogol and Pilnyak will be read in juxtaposition with folklore genres in search of how literary texts mirror folklore subjects. European, African and South American literature and folklore will be introduced or comparative purposes.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 29600 - Vladimir Nabokov Between Two Cultures
Nabokov as a bilingual writer, including major works originally written in Russian and in English: Priglashenie na kazn' (Invitation to a Beheading); Dar (The Gift); Drugie Berega (Other Shores); Speak, Memory; Pnin; Lolita and Pale Fire.

prereq: ENGL 22000 or perm dept.
3 hrs3 cr.

**RUSS 29700 - The Russian Urban Novel in English Translation (W)**

GER 3/A
The interaction of a theme (the city) and a genre (the novel). Crime and Punishment, The Master and Margarita, We and others in their comparative context.

prereq: ENGL 22000 or perm dept.
3 hrs3 cr.

**RUSS 30200 - Advanced Russian II**

GER 3/A
Reading and critical analysis of selected literary and journalistic texts. Consideration of levels of style, problems of idiom and syntax. Written and oral reports.

prereq: RUSS 20200 or equiv
3 hrs3 cr.

**RUSS 32100 - Russian Short Story and Novella**

GER 3/A PD/D
Analysis of various texts and readings from Gogol, Chekhov, Babel, Solzhenitsyn.

prereq: RUSS 20200 or equiv.
3 hrs3 cr.

**RUSS 32200 - Classical Russian Poetry**

GER 3/A PD/D
Major poets from the late 18th to mid-19th century, including Lomonosov, Derzhavin, Pushkin, Lermontov and Nekrasov.

prereq: RUSS 20200 or equiv.
3 hrs3 cr.

**RUSS 32300 - Modern Russian Poetry**

GER 3/A PD/D
Major poets of the late 19th and 20th centuries, including Fet, Tyutchev, Blok, Mayakovsky, Esenin, Pasternak, Yevtushenko.

prereq: RUSS 20200 or equiv.
3 hrs3 cr.

**RUSS 32400 - Literature of Kievan Rus' and Early Russian Literature through the Age of Classicism**
Major literary works of the Kievan period, 968 to 1237: The Primary Chronicle, The Tale of Igor's Campaign.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

**RUSS 34000 - 19th Century Russian Literature**

GER 3/A
Pushkin's Eugene Onegin, Lermontov's Hero of Our Time, Gogol's Dead Souls, Turgenev's Fathers and Sons and others.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

**RUSS 34100 - Tolstoy and Dostoevsky**

GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Anna Karenina, Dostoevsky's The Brothers Karamazov and others.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

**RUSS 34200 - Modern Russian Literature**

GER 3/A PD/D
Gorky, Mayakovskiy, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

**RUSS 34300 - Russian Theater**

GER 3/A PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Pushkin, Gogol, Chekhov and others.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

**RUSS 34400 - The Silver Age of Russian Literature**

GER 3/A PD/D
Major writers and movements of years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

**RUSS 36000 - Russian Women Writers**

GER 3/A PD/C

*cross-listed* WGS 36100
prereq: RUSS 20200 or equiv.
3 hrs3 cr.

Dance

- All 200-level courses, except DAN 232 (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

English

- All courses numbered ENGL 252 and above, except ENGL 303, 331, 332 and 338 (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

Film and Media Studies

- All 200- and 300-level FILM-prefix courses, except production courses – FILMP (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)
- All 200- and 300-level MEDIA-prefix courses, except production courses-MEDP (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

German

- All 300-level courses in German (GERMN) plus 444 and 479 (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

Music

- All 200-level MUSHL courses, except MUSHL 201, 205, 206 and 262 (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

Philosophy

- All 200-level courses, except PHILO 203, 204 and those listed under Stage 3/B. All 300-level courses, except PHILO 375, 376 and 379 (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

Religion

- All REL 300-level courses (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

Romance Languages

- FREN 25200 through 25600, 26200, 34100 through 37500 (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)
• ITAL 27600, 33800, 33900, 34100 through 37500 (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)
• SPAN 26500W, 26900W, 33500, 33600, 34100 through 37500 (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

Theatre

• All THEA courses numbered 21400 and above, except 25100, 26300, 28100 and 35100 (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

Women and Gender Studies

WGS 20100 - Classics in Feminist Thought (W)

GER 3/A or B PD/C
Study of feminist thought across a variety of historical periods and cultural contexts.
prereq: WGS 10000, ENGL 12000 or equiv.
3 hrs3 cr.

WGS 21600 - Women Philosophers of the Past

GER 3A PD/C
Study of the writings and ideas of selected women philosophers who lived before the contemporary feminist movement.
cross-listed PHILO 21600
prereq: ENGL 12000, one course in philosophy
3 cr.

WGS 22252 - Topics in Genre Studies: The Woman's Film of the 1940s

GER 3A PD/C
Discussion of the women's film, an umbrella term for a series of genres (melodrama, gothic film, comedies) in which the woman is the main protagonist as well as the intended spectator.
Depending on topic, will satisfy a GER category.cross-listed FILM 22252
prereq: FILM 10100
4 hrs3 cr.

WGS 23000 - Feminism: Philosophical Theory and Practice (W)

GER 3/A PD/C
Analysis of feminist theories and their practical implications.
cross-listed PHILO 23000
prereq: ENGL 12000 and one course in philosophy
3 hrs3 cr.

WGS 25000 - Women and Music (W)

GER 3/A PD/C
An ethnomusicological study of women and music in cross-cultural perspective.
cross-listed MUSHL 25000
prereq: ENGL 12000 and one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, WGS 10000 or perm instr.
3 hrs3 cr.

WGS 25800 - Topics in Literature by Women (W)

GER 3/A PD/C
Selected works by women written in English will be studied with an emphasis on the diversity of women's lives and the effect of gender on experience.
*May be repeated once for credit with a different topic.* cross-listed ENGL 25800
prereq: ENGL 22000
3 hrs3 cr.

WGS 26000 - Russian Women Writers in English Translation (W)

GER 3/A PD/C
cross-listed RUSS 26000
prereq: ENGL 22000
3 hrs3 cr.

WGS 26900 - Spanish American Women's Literature and Cinema (W)

GER 3/A PD/A or C
Conducted in English. An interdisciplinary approach to contemporary women's literature and cinema from Spanish America focusing on gender issues.
cross-listed SPAN 26900
prereq: ENGL 12000
3 hrs3 cr.

WGS 300XX - Special Topics in Women and Gender Studies

PD/A
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalizing Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.
3 hrs3 cr.

Check class schedule for offerings. Depending on topic may fulfill a GER requirement.

WGS 30500 - Women and Slaves in Classical Antiquity (W)

GER 3/A PD/C or D
Women and slaves in Greek and Roman society and origins of Western attitudes about sex and class.
cross-listed CLA 30500
prereq: ENGL 12000
3 hrs3 cr.
WGS 31900 - Advanced Topics in Literature by Women (W)

GER 3/A PD/C
Selected works by women in relation to a special theme, technique, genre, theoretical issue or cultural consideration. May be repeated once for credit with a different topic.
cross-listed ENGL 31900
prereq: ENGL 22000
3 hrs 3 cr.

WGS 33600 - African-American Women Writers (W)

GER 3/A PD/B or C
African-American female authors from slavery to present: novels, short stories, essays, plays, poetry, teenage fiction, and children's books.
cross-listed AFPRL 33600
prereq: AFPRL 23600 or perm instr.
3 hrs 3 cr.

WGS 33700 - Caribbean Women Writers (W)

GER 3/A
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, eolization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.
cross-listed AFPRL 33700
prereq: AFPRL 23600 or 23700 or ENGL 22000 or WGS 10000
3 hrs 3 cr.

WGS 36100 - Russian Women Writers

GER 3/A PD/C
cross-listed RUSS 36000
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

WGS 38400 - Women and Media (W)

GER 3/B PD/C
Examination, from historical and formal perspective, of ways in which women have been represented by mass media in America since mid-19th century. Exploration of how feminists for 100 year have challenged these images and posed alternative modes of cultural representation and production.
cross-listed MEDIA 38400
prereq: MEDIA 18000
3 hrs 3 cr.

Stage 3B Social Science or Natural Science/Mathematics: 3 credits
Africana and Puerto Rican/Latino Studies

**AFPRL 30400 - Leaders and Movements of Black Urban Communities (W)**

GER 3/B PD/B  
Personalities and movements that have influenced Black communities of U.S.; focuses mainly on 20th century.  
*prereq: AFPRL 20300 or 20400 or 20500*  
3 hrs3 cr.

**AFPRL 30600 - Modern African International Relations (W)**

GER 3/B PD/A  
Factors affecting relations among African states and between African and non-African states within international system.  
*prereq: AFPRL 20600 or perm instr.*  
3 hrs3 cr.

**AFPRL 30700 - Contemporary African Politics (W)**

GER 3/B  
Study of post-independence nationalism, political systems, regional and inter-nation cooperation of African nations.  
*prereq: AFPRL 20600 or perm instr.*  
3 hrs3 cr.

**AFPRL 30800 - Contemporary International Relations of the African-Caribbean (W)**

GER 3/B  
Examination of the use of foreign policy for economic development in the Caribbean and as an instrument of transformation.  
*prereq: AFPRL 20700 or 21000 or perm instr.*  
3 hrs3 cr.

**AFPRL 30900 - African-Americans and Africa (W)**

GER 3/B PD/A or B  
Major evidence of Black American involvement and interest in Africa from 1775 to present.  
*prereq: AFPRL 20300 or 20400*  
3 hrs3 cr.

**AFPRL 31000 - Modern Nigeria (W)**

GER 3/B  
Detailed study of the historical development of modern Nigeria from the late 19th century to the present.  
*prereq: perm instr.*  
3 hrs3 cr.

**AFPRL 31300 - Slavery (W)**

GER 3/B PD/A or B  
Historical overview of slavery from Africa to the Americas.
**AFPRL 31400 - Blacks in Labor and Politics (W)**

GER 3/B
Black labor from emancipation to present. Emphasis on period between New Deal and present.

*prereq: AFPRL 20400 or 20500 or perm instr.*

3 hrs 3 cr.

**AFPRL 31800 - Women in Africa (W)**

GER 3/B PD/C
Examination of African womanhood in traditional setting during colonialism and neo-colonialism, independence and revolution.

*cross-listed* WGS 31800 (A Writing-intensive Course)

*prereq: AFPRL 20200 or 22200 or perm instr.*

3 hrs 3 cr.

**AFPRL 31900 - Women in the African Diaspora (W)**

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance and in sustaining African culture and values.

*cross-listed* WGS 32900 (W)

*prereq: AFPRL 20400 or 20900 or 21000 or perm instr.*

3 hrs 3 cr.

**AFPRL 34200 - Political Nationalism in Puerto Rico (W)**

GER 3/B PD/A
Nationalist ideology in Puerto Rico: its impact on contemporary political movements and economy.

*prereq: AFPRL 24200 or perm instr.*

3 hrs 3 cr.

**AFPRL 35100 - Major Puerto Rican Figures (W)**

GER 3/B PD/A or B
Theorists, poets and statesmen in formation of Puerto Rican nationality.

*prereq: AFPRL 14300 or 24200 or 24300*

3 hrs 3 cr.

**AFPRL 35200 - Power Structure in Puerto Rico (W)**

GER 3/B
Social analysis of class divisions, role of the economy and the United States presence in Puerto Rico.

*prereq: AFPRL 24300 or 27000*

3 hrs 3 cr.

**AFPRL 36000 - Politics in Puerto Rico (W)**
GER 3/B
Analysis of the political status issue, development of political parties, national leadership and participation.
prereq: AFPRL 24200 or 34200 or perm instr.
3 hrs3 cr.

**AFPRL 37000 - Sociolinguistic Fieldwork in Black and Puerto Rican/Latino Speech Communities (W)**

GER 3/B
Sociolinguistic theory applied to linguistic varieties spoken in African American, African-Caribbean, Puerto Rican and other Latino communities.
prereq: AFPRL 18100 or ANTHC 15100
3 hrs3 cr.

**AFPRL 38400 - Poverty in Society (W)**

GER 3/B
Causes and effects of deprivation, with emphasis on policy and program approaches for African Americans and Puerto Ricans/Latinos.
prereq: successful completion of any 2 AFPRL courses
3 hrs3 cr.

**AFPRL 38700 - Puerto Rican/Latino Politics in the United States (W)**

GER 3/B PD/B
An analysis of the political participation and leadership of Puerto Ricans and other Latinos in the United States.
prereq: either AFPRL 10200, 24200 or 24400 or perm. Instr.
3 hrs3 cr.

**AFPRL 39000 - Research Topics in Africana and Puerto Rican/Latino Studies (W)**

GER 3/A or B
Topics change according to instructor.
Open to Jr/Sr only.
3 hrs3 cr.

**AFPRL 40100 - Pan-Africanism**

GER 3/B
Seminar traces development of Pan-Africanism through the 20th century.
Not open to freshmen.
prereq: AFPRL 20200 or 20400 or 20600
3 hrs3 cr.

**AFPRL 40200 - African American Political Thought**

GER 3/B
Comparative theorists; methods and ideological currents.
prereq: AFPRL 20300 or 20400 or 20500
3 hrs3 cr.
AFPRL 40300 - Development Strategies in the African-Caribbean

GER 3/B
Analysis of developmental strategies used by Caribbean nations after independence.
 prereq: AFPRL 20700 or 20800 or 20900 or 21000 or perm instr.
 3 hrs 3 cr.

AFPRL 42000 - The Black Church and Social Change

GER 3/B
In-depth study of the sociopolitical role of Black church in political struggle of Black people with special emphasis on America.
 prereq: AFPRL 20300 or 20400 or 20500 or perm instr.
 3 hrs 3 cr.

AFPRL 42800 - Selected Topics in Africana and Puerto Rican/Latino Studies: Social Science

GER 3/B PD/B
Topics change according to instructor.
Prereq: perm dept.
Pluralism and diversity requirements are dependent on the topic course.
 3 hrs 3 cr.

AFPRL 42863 - Afro-Latino Culture and History

GER 3/B PD/A
 3 hrs 3 cr.

AFPRL 44200 - History of Puerto Rican Labor Movements

GER 3/B
Historical development of Puerto Rican working class, its movements and organizations from 19th century to present.
 prereq: AFPRL 24200 or 27000
 3 hrs 3 cr.

Anthropology

- All ANTHC courses at the 200 and 300 level and all ANTHP courses at the 300 level (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

Biological Science

- All BIOL 200-level courses and above (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

Chemistry
• All CHEM 200-level courses and above, except CHEM 295

Computer Science

• All CSCI courses numbered 235 and above

Economics

• All 200- and 300-level courses in Economics except ECO 20000 and 20100 and all Accounting and Business Law courses (ECO 27100, 27200, 28000, 37100–37400) (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

Geography

• All GEOG-, GEOL-, PGEO-prefix courses numbered 20000 to 38399 inclusive, except those courses listed for Stage 2B and 2E (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

History

• All HIST 300-level courses and above (please refer to Pluralism and Diversity and Writing fulfillment of additional criteria)

Human Rights

HR 20000 - Introduction to Human Rights: History, Discourse, Practice (W)

GER 3/B PD/D
An introduction to the study of human rights. It explores the historical, philosophical, and legal roots of human rights as a political idea and institutionalized practice. It also addressed the contested nature of human rights as an idea and practice in contemporary societies. In addition to providing an introduction to the subject, the course is a requirement for students minoring in Human Rights or pursuing a Human Rights Certificate.

In order to pursue a Human Rights minor or Certificate, a student must receive at least a B (3.0) in this course. Students should take this introductory course in their sophomore year but must take it no later than the first semester of their junior year.

This is a writing intensive course.
prereq: ENGL 12000 or equivalent; one course in ethics, political philosophy, political theory, sociological theory, or permission from the instructors.
3 hrs; 3 cr.
fall and spring

Interdisciplinary Sciences and Mathematics

SCI 30200 - Ethical Conduct in the Natural and Physical Sciences

GER 3/B
Case studies of ethical issues in scientific research and education, including fraud, misrepresentation and negligence in
scientific reporting. Term paper required.

prereq: 2 yrs lab science (BIOL 10000, 10200; CHEM 10200, 10300, 10400, 10500; PHYS 11000, 12000; or equiv.)
prereq or coreq: lab research experience in natural or physical sciences
2 hrs 2 cr.

Macaulay Honors College

MHC 20000 - MHC Seminar 3: Science and Technology (W)

Macaulay Honors College only
Fulfills GER 3B, Social Science or Natural Science/Mathematics
prereq: Macaulay Honors College only. ENGL 12000; MHC 15000 or its equivalent at another CUNY Honors College campus
3 hrs 3 credits

Mathematics and Statistics

- All MATH courses numbered 20000 and above, except MATH 26100 (MATH 37600W also meets Writing)
- All STAT courses numbered 21400 and above

Philosophy

PHILO 24600 - Political Philosophy (W)

GER 3/B
Study of selected philosophical problems in politics, law, economics and society.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 25200 - Problems of Law and Morality

GER 3/B
Philosophy of law and the relation of legal to ethical issues.
PHILO 25400 - Ethical Issues in Biology and Medical Care (W)

GER 3/B
Treats issues such as abortion, euthanasia, extraordinary means, confidentiality, human experimentation, genetic control and allocation of limited life-saving therapy.

prereq: ENGL 12000 and one previous course in philosophy.

3 hrs 3 cr.

PHILO 26800 - Philosophical Psychology (W)

GER 3/B
Views of human nature underlying some major contemporary schools of psychology, such as Freudian psychoanalysis, behaviorism, existential psychoanalysis, Piaget's developmental psychology.

prereq: ENGL 12000 and one previous course in philosophy.

3 hrs 3 cr.

PHILO 27000W - Philosophy, Science and Culture

GER 3/B
Issues relating to the impact of modern science on philosophy, religion and culture.

prereq: ENGL 12000 and one previous course in philosophy.

3 hrs 3 cr.

PHILO 27500 - Intermediate Symbolic Logic

GER 3/B
Sentential derivations, interpretations, symbolizations involving operator symbols, identity, definite descriptions, predicate derivations through logic of identity and definite descriptions.

cross-listed MATH 27500

prereq: PHIL 17100

3 hrs 3 cr.

PHILO 27900 - Inductive Logic

GER 3/B
Deductive vs. inductive logic, basic forms of inductive inference, Mill's methods and controlled experiments, the probability calculus, interpretations of probability, the problem of induction, confirmation and disconfirmation of hypotheses.

prereq: ENGL 12000 and one previous course in philosophy.

3 hrs 3 cr.

PHILO 34600 - Justice in Contemporary Society (W)

GER 3/B
A study of concepts of justice developed in the 20th century and their relevance to problems of contemporary society, such as social welfare, property rights and democratic government.

3 hrs 3 cr
PHILO 37500 - Advanced Symbolic Logic

GER 3/B
A survey of the central results and techniques of meta-logic, principally mathematical induction, the soundness and completeness of theorems for first-order logic, the Skolem theorem and Church's theorem on undecidability.
prereq: PHIL 27500 or equiv.
3 hrs3 cr.

PHILO 37600 - Philosophy of Mathematics (W)

GER 3/B
Study of such issues as the nature of demonstration or proof and the nature of mathematical knowledge and mathematical objects such as numbers and sets. cross-listed with MATH 376.
prereq: ENGL 12000; one PHIL course and one PHIL or MATH course (precalculus or beyond)
3 hrs3 cr.

PHILO 37900 - Philosophy of Science (W)

GER 3/B
Study of foundations of knowledge in natural and social sciences.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

Physics and Astronomy

- All 200-level courses

Political Science

- All POLSC 200-level and 300-level courses

Psychology

- All PSYCH 200-level courses and above, except PSYCH 201, 306, 307, 395, 396 and 398 (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

Sociology

- All SOC 200-level courses and above (please refer to Pluralism and Diversity and Writing for fulfillment of additional criteria)

Urban Affairs and Planning

- All URBS 200-level courses and above, except URBS 20100

Women and Gender Studies
WGS 200XX - Special Topics in Women and Gender Studies

PD/A or B or C or D
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalism Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.
3 hrs3 cr.

WGS 20100 - Classics in Feminist Thought (W)

GER 3/A or B PD/C
Study of feminist thought across a variety of historical periods and cultural contexts.
prereq: WGS 10000, ENGL 12000 or equiv.
3 hrs3 cr.

WGS 20900 - Women and Gender in Western Political Thought (W)

GER 3/B PD/C or D
The history of political thought from the perspective of gender relations and the treatment of women.
cross-listed POLSC 20900
prereq: ENGL 12000 or equiv.
3 hrs3 cr.

WGS 21900 - Women and the Law (W)

GER 3/B PD/C
Overview of how local, state and federal laws treat people on basis of sex.
cross-listed POLSC 21900
prereq: ENGL 12000
3 hrs3 cr.

WGS 22300 - Sociology of the Family

GER 3/B PD/C
Family functions and interaction. Factors affecting stability and instability.
cross-listed SOC 20100
prereq: SOC 10100
3 hrs3 cr.

WGS 23500 - The Psychology of Women (W)

GER 3/B PD/C
Psychological functioning of women; sexuality, pregnancy, social roles and status, aging, achievement, life styles, power.
cross-listed PSYCH 23500
prereq: 6 cr. in PSYCH courses
3 hrs3 cr.
WGS 23900 - Child Welfare (W)

GER 3/B
Historical and contemporary perspectives on the impact of poverty on children and the social policies that deal with it. 
\textit{cross-listed} SOC 23900
\textit{prereq: ENGL 12000, SOC 10100}
3 hrs 3 cr.

WGS 25700 - Sex and Gender Roles

GER 3/B PD/C
Sex role differentiation: femininity, masculinity, marriage, child rearing.
\textit{cross-listed} SOC 25700
\textit{prereq: SOC 10100 or perm instr.}
3 hrs 3 cr.

WGS 26100 - Women and Politics (W)

GER 3/B PD/C
Constitutional and legal position of women, ERA, affirmative action, marriage, divorce, property, feminist causes.
\textit{cross-listed} POLSC 21800
\textit{prereq: ENGL 12000}
3 hrs 3 cr.

WGS 26200 - Women, War and Peace (W)

GER 3/B PD/C
Roles that women have played as subjects and objects in war and peace.
\textit{cross-listed} POLSC 28000
\textit{prereq: ENGL 12000}
3 hrs 3 cr.

WGS 300XX - Special Topics in Women and Gender Studies

PD/A
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalizing Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings.
Depending on topic, course may satisfy a GER category.
3 hrs 3 cr.

WGS 30100 - Gender in Anthropological Perspective

GER 3/B PD/C
Men and women in different societies, division of labor, socialization, stratification, political activism and gender construction.
\textit{cross-listed} ANTHC 30100
\textit{prereq: ANTHC 10100 or perm instr.}
3 hrs 3 cr.
**WGS 30900 - Feminist Political Theory**

GER 3/B PD/C
Readings in feminist ideas, both historical and contemporary, on issues of power, justice and equality. The course will emphasize different perspectives, including those of liberal, radical, postmodernist, women of color, third world and global feminists.

cross-listed POLSC 30900  
prereq: ENGL 12000  
3 hrs 3 cr.

**WGS 31500 - Work and Society (W)**

GER 3/B
Work in market economies, mechanisms of control and sources of stratification, gender and ethnic factors, role of education and trade unions.

cross-listed SOC 31500  
prereq: SOC 10100  
3 hrs 3 cr.

**WGS 31800 - Women in Africa (W)**

GER 3/B PD/A or C
Examination of African womanhood in traditional setting during colonialism and neo-colonialism, independence and revolution.

cross-listed AFPRL 31800(W)  
prereq: AFPRL 20200 or AFPRL 22200 or perm instr.  
3 hrs 3 cr.

**WGS 32100 - Women and Globalization**

GER 3/B
The situation of women from less developed countries with attention to the local and global forces shaping their lives. Topics include migration, the international division of labor, and worldwide adoption. Includes both theoretical approaches and practical issues related to improving women's place in society.

cross-listed ANTHC 32100  
prereq: ANTHC 10100 or perm instr.  
3 hrs 3 cr.

**WGS 32900 - Women in the African Diaspora (W)**

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance, and in sustaining African culture and values.

cross-listed AFPRL 31900 (W)  
prereq: AFPRL 20400, 20900 or 21000 or perm instr.  
3 hrs 3 cr.

**WGS 34500 - Women and Men in the Labor Market**

GER 3/B PD/C
Demand for labor, determination of wages and allocation of time between paid and unpaid activities, 'human capital'
investments, labor market policy issues.

cross-listed ECO 34500

prereq: ECO 20000

3 hrs 3 cr.

WGS 36000 - Feminist Social Theory

GER 3/B PD/C

An introduction to feminist theory developed by women from Western, Third World and other countries.

cross-listed SOC 36000

prereq: SOC 10100 or perm instr.

3 hrs 3 cr.

WGS 400XX - Special Topics in Women and Gender Studies

PD/A or C

Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalizing Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.

3 hrs 3 cr.

List of Approved Courses for the GER Pluralism and Diversity Requirement

Pluralism and Diversity Requirement – Group A: 3 credits

A course focusing on scholarship about major practical or theoretical issues (e.g., artistic, economic, geographic, literary, political, scientific or social) that emerge from, are reflected in or are principally derived from the historical conditions, perspectives and/or intellectual traditions of non-European societies, particularly those of Africa, Asia, Latin America or those indigenous to the Americas.

Africana and Puerto Rican/Latino Studies

AFPRL 10100 - Introduction to Africana Studies

Introduction to the history and culture of Africa and the African diaspora.

GER 2/B PD/A or B

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AFPRL 14100 - Puerto Rican Folklore

GER 2/C PD/A or B

Study of Puerto Rican folklore: traditional beliefs, legends, religious rites and typical music.

3 hrs 3 cr.
AFPRL 14300 - The Image of the Puerto Rican National Identity in Its Literature

PD/A
Analysis of literary works of Puerto Rican authors and their images of Puerto Rican society.

*prereq: ENGL 12000 and reading knowledge of Spanish
3 hrs 3 cr.
offered fall only

AFPRL 20100 - African History from Human Origins to 1600 CE

GER 2/B PD/A
African history from ancient times with emphasis on endogenous African development of civilizations and complex economic, technological and cultural systems over time.

3 hrs 3 cr.

AFPRL 20200 - African History Since 1600 CE

GER 2/B PD/A
Main currents of African history from 1600 CE to present

3 hrs 3 cr.

AFPRL 20600 - African Political and Social Change

PD/A
Introductory study of political and social change in Africa during the second half of the 20th century.

3 hrs 3 cr.

AFPRL 20700 - African Caribbean Politics I

PD/A
Examines political economy of slavery and colonialism and responses of Caribbean people from 1492 to political independence.

3 hrs 3 cr.

AFPRL 20800 - African Caribbean Politics II

PD/A
Begins with attainment of political independence by major Caribbean countries; focuses on nation building.

*prereq: AFPRL 20700
3 hrs 3 cr.

AFPRL 20900 - Introduction to Caribbean History to 1900

GER 2/B PD/A
Introduction to the major themes in Caribbean history to 1900.

*prereq: ENGL 12000
3 hrs 3 cr.

AFPRL 21000 - Introduction to Caribbean History: 1900 - Present
GER 2/B PD/A
Introduction to the major themes in Caribbean history after 1900.
prereq: ENGL 12000
3 hrs3 cr.

**AFPRL 22000 - African Spirituality in the Diaspora**

GER 2/C PD/A or B
The nature and expressions of the spiritual ethos enabling the survival of classical African human values in dehumanizing circumstances during and after enslavement in North America, South America and the Caribbean.
3 hrs3 cr.

**AFPRL 22200 - African Civilization**

GER 2/C PD/A
Introduction to study of African civilization.
3 hrs3 cr.

**AFPRL 23500 - African Literature (W)**

GER 2/A PD/A
Introduction to contemporary African literature originally written in English. The course is conducted in English; all course requirements are in English.
prereq: ENGL 12000
3 hrs3 cr.

**AFPRL 23700 - African Caribbean Literature (W)**

GER 2/A PD/A or B
Introduction to the historical development and major artistic preoccupations of Caribbean literature. The course is conducted in English; all course requirements are in English.
prereq: ENGL 12000
3 hrs3 cr.

**AFPRL 23800 - Introduction to the Literature of the African Diaspora (W)**

Introduction to a cross-section of texts that contribute to the creation and development of an African Diaspora literary tradition.

GER 2/A PD/A or B
prereq: ENGL 12000
3 hrs3 cr

**AFPRL 24100 - Puerto Rican History to 1897**

GER 2/B PD/A
An examination of Taino society, Spanish colonialism, slave economy and the development of nationhood in the 19th century.
3 hrs3 cr.
**AFPRL 24200 - Puerto Rican History Since 1898**

GER 2/B PD/A  
Sociohistorical, political and economic analysis of Puerto Rico dating from the U.S. invasion to the present.  
3 hrs 3 cr.

**AFPRL 24300 - Puerto Rican Culture**

GER 2/C PD/A or B  
General study of Puerto Rican culture and ethnic mixtures that went into making of that culture.  
3 hrs 3 cr.

**AFPRL 24500 - Puerto Rican Literature I**

PD/A  
Analysis of the emergence and development of the various literary genres which surfaced during the 19th century in the literature of Puerto Rico. Discussion and analysis of major 19th century Puerto Rican authors (Hostos, Tapia and Zeno Gandia).  
prereq: SPAN 20200 or equiv. or perm instr.  
3 hrs 3 cr.

**AFPRL 24600 - Puerto Rican Literature II**

PD/A  
Discussion and analysis of the literary and cultural evolution of Puerto Rico viewed through the works of key 20th century authors. Literary production from the 1960s onwards is emphasized.  
prereq: SPAN 20200 or equiv. or perm instr.  
3 hrs 3 cr.

**AFPRL 29000 - Selected Topics in Africana and Puerto Rican/Latino Studies**

PD/A or B  
Topics change according to instructor.  
3 hrs 3 cr.

**AFPRL 30600 - Modern African International Relations (W)**

GER 3/B PD/A  
Factors affecting relations among African states and between African and non-African states within international system.  
prereq: AFPRL 20600 or perm instr.  
3 hrs 3 cr.

**AFPRL 30900 - African-Americans and Africa (W)**

GER 3/B PD/A or B  
Major evidence of Black American involvement and interest in Africa from 1775 to present.  
prereq: AFPRL 20300 or 20400  
3 hrs 3 cr.
AFPRL 31300 - Slavery (W)

GER 3/B PD/A or B
Historical overview of slavery from Africa to the Americas.
prereq: AFPRL 20300 or 20900 or perm instr.
3 hrs 3 cr.

AFPRL 32000 - African-Caribbean Culture (W)

GER 3/A PD/A or B
prereq: AFPRL 20900 or 21000 or 22200
3 hrs 3 cr.

AFPRL 32100 - Caribbean Migration and New York City (W)

GER 3/B PD/A or B
An historical examination of the lives of Caribbean immigrants in New York City from the causes for emigration to the development of an ethnic community in the City.
prereq: ENGL 12000; AFPRL 20700, 20800, 20900, 21000, 30700 or 30800
3 hrs 3 cr.

AFPRL 32200 - African World View: Philosophy and Symbolic Thought (W)

GER 3/A PD/A
Examination of African religious systems, metaphysical conceptions and philosophy.
prereq: AFPRL 22200 or perm instr.
3 hrs 3 cr.
offered every other sem.

AFPRL 34200 - Political Nationalism in Puerto Rico (W)

GER 3/B PD/A
Nationalist ideology in Puerto Rico: its impact on contemporary political movements and economy.
prereq: AFPRL 24200 or perm instr.
3 hrs 3 cr.

AFPRL 35100 - Major Puerto Rican Figures (W)

GER 3/B PD/A or B
Theorists, poets and statesmen in formation of Puerto Rican nationality.
prereq: AFPRL 14300 or 24200 or 24300
3 hrs 3 cr.

AFPRL 35500 - The African Image in 19th and 20th century Spanish Antillean Poetry (W)
GER 3/A PD/A
The portrayal of the African image in Spanish Antillean poetry seen through the work and poetic trends of its major exponents.
prereq: AFPRL 14300 or SPAN 20800, reading knowledge of Spanish
3 hrs3 cr.

AFPRL 36200 - Puerto Rican and Caribbean Religious Practices (W)
GER 3/A PD/A or B
Reading knowledge of Spanish suggested. Analysis of roots of folk religion in Indian, African and Spanish cultures.
Religious syncretisms, popular imagery and ritual practices.
prereq: AFPRL 14100 or 24300
3 hrs3 cr.

AFPRL 42800 - Selected Topics in Africana and Puerto Rican/Latino Studies: Social Science
GER 3/B PD/B
Topics change according to instructor. 
Pluralism and diversity requirements are dependent on the topic course.
prereq: perm dept.
3 hrs3 cr.

Anthropology

ANTHC 10100 - Introduction to Cultural Anthropology
GER 2/B PD/A
Comparative and historical examination of the human condition through a focus on diverse responses to universal problems, such as making a living, resolving conflict, organizing family/kin relations and finding meaning in the world.
3 hrs3 cr.
offered every sem.

ANTHC 20000 - Africa: Societies and Cultures
GER 3/B PD/A
Pre-colonial, colonial and contemporary communities, subsistence and exchange systems and ecological adaptations.
3 hrs3 cr.

ANTHC 20100 - The Middle East: Societies and Cultures
GER 3/B PD/A
Peasant, nomadic and urban society; kinship, ethnic, religious and ecological diversity; colonialism and modernization.
3 hrs3 cr.

ANTHC 20400 - East Asia: Societies and Cultures
GER 3/B PD/A
Historical and regional variation in various East Asian societies, with a focus on political economy, family, kinship,
community and national minorities.
3 hrs 3 cr.

**ANTHC 21100 - Native North America: Societies and Cultures**

GER 3/B PD/A or B
Adaptive strategies and cultural variations in pre and post-contact periods; problems in contemporary societies.
3 hrs 3 cr.

**ANTHC 21300 - Latin America: Societies and Cultures**

GER 3/B PD/A
Development and organization of tropical forest Indians, hacienda and plantation economies, peasant and urban societies.
3 hrs 3 cr.

**ANTHC 21400 - The Caribbean: Societies and Cultures**

GER 3/B PD/A
Indigenous peoples, colonization and slavery; minorities, race relations; family life, religion and economy.
3 hrs 3 cr.

**ANTHC 22600 - Archaeology of Africa**

GER 3/B PD/A
Prehistory; origins, adaptations, cultural evolution of early hominids; origins of agriculture, early complex societies.  
*prereq: ANTHC 12600 or perm instr.*
3 hrs 3 cr.

**ANTHC 22800 - Archaeology of the Near East to 2000 BC**

GER 3/B PD/A
Sociocultural development of Near East from early hunter-gatherers to first states and empires.  
*prereq: ANTHC 12600 or perm instr.*
3 hrs 3 cr.

**ANTHC 30700 - Anthropology of Religion**

GER 3/B PD/A
Emphasis on non-Western societies; theories of religion, magic; functions and symbolic meaning.
3 hrs 3 cr.

**ANTHC 30800 - Human Ecology**

GER 3/B PD/A
Relationship between human populations and environment; ecosystems, population interactions, resource management and environmental movements.  
*prereq: ANTHC 10100 or perm instr.*
3 hrs 3 cr.
ANTHC 30900 - Countryside and City: Comparative Perspectives

Rural-urban connections and the transformations that affect rural areas and peoples in diverse parts of the world.

prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 31000 - Politics and Power in Anthropological Perspective

GER 3/B PD/A
Leadership, conflict, inequality, decision-making and law in different societies; interaction of local politics with state and global institutions.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

Art

ARTH 20500 - Egyptian Art (W)

GER 3/A PD/A
Geographical, historical and social conditions of the Nile. Influence of Egyptian art.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
prereq or coreq: ENGL 12000 is a prerequisite or corequisite for all ARTH courses numbered 20500-20700.
3 hrs 3 cr.

ARTH 26000 - Islamic Art (W)

GER 3/A PD/A
Art and architecture of Islamic world from 7th to 17th century, covering both East and West.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 26300 - Chinese and Japanese Art (W)

GER 3/A PD/A
Chinese and Japanese art with emphasis on painting and sculpture.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 27000 - Art of Africa and Oceania (W)

GER 3/A PD/A
Survey of African art; function, subjects, forms and styles of the arts in the cultural contexts.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education
requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements. 
3 hrs3 cr.

Classical and Oriental Studies

Arabic Division

ARB 25000 - The Arab Novel (in translation) (W)

GER 2C, PD/A
A consideration of Arab novels as a source for understanding issues such as urbanization, war, imperialism, nationalism, gender, as well as the politics of translation.
prereq: ENG 22000 or equiv.
3 hrs3 cr.

ARB 25100 - Arab Cinema (in translation)

GER 2/D, PD/A
This course will introduce students to the history of Arab Cinema through readings and weekly screenings of films from all over the Arab World.
prereq: ENGL 12000 or equivalent
3 hrs3 credits

ARB 25200 - Literatures from the Islamic World (W)

GER 2C, PD/A
A survey of literary genres and themes from the Islamic World from the 7th to the 15th century.
prereq: ENGL 12000 or equivalent
3 hrs3 credits

ARB 25300 - Literatures and Cultures of Muslim Spain (W)

GER 2C, PD/A
A survey of the literary and cultural history of Muslim Spain, 8th - 15th century C.E.
prereq: ENGL 12000 or equivalent
3 hrs3 credits

ARB 25400 - The Arabian Nights East and West (W)

GER 2C, PD/A
The course studies not only the stories of the Arabian Nights (1001 Nights), but also the history of the translation and adaptation of the Nights into European languages.
prereq or coreq: ENGL 12000 or equivalent
3 hours3 credits

Chinese Division

CHIN 11100 - Chinese Culture I
GER 2/C PD/A
Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English.
3 hrs 3 cr.

CHIN 11200 - Chinese Culture II

GER 2/C PD/A
Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.
3 hrs 3 cr.

CHIN 30600 - 20th-century Chinese Literature

PD/A
Selected readings of leading thinkers and writers.
prereq: CHIN 20200 or equiv.
3 hrs 3 cr.

CHIN 30700 - Classical Chinese Poetry

PD/A
Close textual and stylistic analysis of texts selected from standard verse forms, with emphasis on Tang shi.
prereq: CHIN 30400 or equiv.
3 hrs 3 cr.

CHIN 35500 - Classical Chinese Fiction in English Translation (W)

GER 3/A PD/A
Introduction to Chinese fictional writings from early times to 19th century, e.g., Dream of the Red Chamber, Monkey, All Men Are Brothers, Romance of the Three Kingdoms.
prereq: ENGL 12000
3 hrs 3 cr.

CHIN 35700 - Chinese Poetry in English Translation (W)

GER 3/A PD/A
Major poets from the earliest times to the present day, with emphasis on the Tang period.
prereq: ENGL 12000
3 hrs 3 cr.

Classics Division

CLA 22500 - Archaeology of Egypt (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Egypt, Giza, Thebes, Amarna; hieroglyphs, literature, tombs, religion, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22700W - Archaeology of Eastern Mediterranean
GER 3/A PD/A
Cyprus, Southern Anatolia, Phoenicia, and Palestine, especially in Bronze Age.
*prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

**CLA 32200 - Archaeology of Mesopotamia (W)**

GER 3/A PD/A
Sites, cultures, and styles of ancient Mesopotamia. First villages, tombs of Ur, ziggurats, palaces, tablet literature.
*prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

**CLA 32300 - Archaeology of Anatolia (W)**

GER 3/A PD/A
Sites, cultures, and styles of ancient Anatolia: Catal Huyuk, Troy, the Hittites, royal tombs of Phrygia and Lycia.
*prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

**Hebrew Division**

**HEBR 21500 - Hebraic and Judaic Culture and Thought in the Medieval Islamic World (W)**

GER 3/A PD/A PD/D
A study of medieval Hebraic and Judaic writings from North Africa and the Middle East in English translation. Emphasis will be given to the traditional as well as the innovative aspects of the material.
*prereq: ENGL 12000
3 hrs 3 cr.

**HEBR 22000 - Israeli Cinema**

GER 3/A PD/A
Israeli cinema and the development of Israeli cultural identity. Designed for students of Hebrew studies and Film studies who are interested in the history of Israeli film and Israeli cultural identity as expressed in the Israeli cinema.
*cross-listed* cross-listed with FILM 21344
*prereq: ENGL 12000
3 hrs 3 cr.

**HEBR 24000 - Introduction to the Old Testament**

GER 2/C PD/A
Survey of the books of the Old Testament, their form, content and cultural background. Introduction to the tools and methods of modern biblical criticism.
*3 hrs 3 cr

**HEBR 25900 - Old Testament Religion**
GER 2/C PD/A
Comprehensive survey of ancient Israelite religious practice, expression and thought as reflected in Hebrew Bible.
3 hrs3 cr

HEBR 28600 - Ancient Near Eastern Literature and the Bible

GER 3/A PD/A
Comparative study of ancient Near Eastern literature and the Hebrew Bible.
3 hrs3 cr

HEBR 28800 - Ancient Hebraic Folklore

GER 2/C PD/A
Analysis and comparative study of folk beliefs, practices and literature reflected in Hebrew Bible, apocryphal literature and rabbinic Aggada.
3 hrs3 cr

HEBR 29000 - Biblical Archaeology

GER 2/C PD/A
Study of Biblical sources in translation in relation to major archaeological discoveries in Israel and Near East.
3 hrs3 cr

HEBR 29200 - The Hebrew Prophets

GER 2/C PD/A
Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical and religious thought.
3 hrs3 cr

HEBR 29400 - Job, Ecclesiastes and the Human Predicament

GER 3/A PD/A
Study of form, content and religious significance of these two enigmatic masterworks.
3 hrs3 cr

HEBR 29500 - Ancient Hebrew Law

GER 2/C PD/A
Historical and comparative study of Biblical and rabbinic law.
3 hrs3 cr

HEBR 29600 - The Dead Sea Scrolls in English

GER 3/A PD/A
Readings in the various genres of the scrolls; historical background of Qumran sect; significance of the scrolls for study of Judaism and Christianity.
3 hrs3 cr

HEBR 31500 - Biblical Literature: Pentateuch
GER 3/A PD/A
Selections from Pentateuch.
prereq: HEBR 20200 or equiv.
3 hrs3 cr.

HEBR 31600 - Biblical Literature: Historical Books

GER 3/A PD/A
Selections from books of Joshua, Judges, Samuel and Kings.
prereq: HEBR 20200 or equiv.
3 hrs3 cr.

HEBR 31700 - Biblical Literature: Prophetic Books

GER 3/A PD/A
Selections from minor and major prophets.
prereq: HEBR 202 or equiv.
3 hrs3 cr.

HEBR 31800 - Biblical Literature: Hagiographa

GER 3/A PD/A
Selections from Job, Proverbs, Psalms and the five Megillot.
prereq: HEBR 20200 or equiv.
3 hrs3 cr

HEBR 32100 - Talmudic Literature

GER 3/A PD/A
Selections from Talmud and Midrash.
prereq: HEBR 20200 or equiv.
3 hrs3 cr

Japanese Division

JPN 25100 - Japanese Culture Before 1600

GER 2C PD/A
Designed for students who wish to become acquainted with Japanese culture. It will cover the periods from pre-history to 1600 and focus on elements that helped shape contemporary Japanese culture. Taught entirely in English.
3 hours3 credits

JPN 25200 - Japanese Culture Since 1600

GER 2C PD/A
Designed for students who wish to become acquainted with Japanese culture. It will cover the Edo Period and Modern Japan—including contemporary Japanese culture. Taught entirely in English. JPN 251 is not prerequisite.
3 hours3 credits

Russian Division
RUSS 29300 - Folklore in Translation: A Comparative Study

PD/A
Folklore of Australia, Oceania, Europe, Africa, North and South America and the Near East will be read in juxtaposition to Russian folklore.
prereq: ENGL 120
3 hrs 3 cr.

Dance

DAN 25200 - Special Topics: Traditional Dance I

GER 3/A PD/A
Introduction to the cultural background and basic techniques of individual traditions of dance, such as African, Classical Indian, Afro-Brazilian, T'ai Chi, Capoeira, Yoga and advanced post-modern dance. May be taken two times for credit with permission of the department.
prereq: audition
3 hrs 2 cr.

DAN 35200 - Special Topics: Traditional Dance II

GER 3/A PD/A
Continuation of DAN 25200.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 25200, audition
3 hrs 2 cr.

Economics

ECO 33000 - Economic Development

GER 3/B PD/A
Critical variables explaining the diversity of growth and economic and development outcomes across developing countries. Theories, case studies, measurement and policies.
prereq: ECO 20100
3 hrs 3 cr.

English

ENGL 25000 - Topics in Literature

GER 2/C, PD/A or B or C or D
Specific critical and thematic approaches to selected works of literature written in English. Course may be taken twice if the topic differs, but not more than twice. Some topics in ENGL 250 satisfy PD requirements in categories A, B, C, or D. Check in the schedule of classes and with an undergraduate adviser.
prereq: ENGL 22000
3 hrs 3 cr.
ENGL 25100 - Topics in Literature

GER 2/C PD/A
Specific critical and thematic approaches to selected works of literature written in English. Course may be taken twice if the topic differs, but not more than twice. Some topics in ENGL 250 satisfy PD requirements in categories A, B, C, or D. Check in the schedule of classes and with an undergraduate adviser.

*prereq: ENGL 22000
3 hrs 3 cr.

ENGL 25500 - Topics in Non-European Literary Traditions (W)

GER 3/A PD/A
Each course examines literature written in the English language by writers in non-European traditions. May be repeated once for credit with a different topic.

*prereq: ENGL 22000
3 hrs 3 cr.

ENGL 31700 - Advanced Topics in Non-European Literary Traditions (W)

GER 3/A PD/A
Each course is an advanced examination of literature written in the English language by writers in non-European traditions. May be repeated once for credit with a different topic.

*prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32700 - Studies in Caribbean Literature (W)

GER 3/A PD/A
Selected works by Caribbean writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.

*prereq: ENGL 22000
3 hrs 3 cr.

ENGL 38600 - Topics in British and American Literature

GER 3/A, PD/C or PD/D (some topics)
Topics vary from semester to semester. Check the schedule of classes and with the undergraduate adviser to see which topics meet PD requirements.

*prereq: ENGL 22000
3 hrs 3 cr.

Film and Media Studies

FiLM 32800 - Images of Resistance in the Developing World

GER 3/A PD/A
Focuses on challenges by developing world films and filmmakers to Western media stereotypes.

*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FiLM.
*prereq: FiLM 10100
3 hrs 3 cr.
MEDIA 39500 - Mass Media in Developing Countries

GER 3/A PD/A
Exploration of impact of transnational corporations on developing countries and issues of cultural domination.
prereq: MEDIA 18000
3 hrs 3 cr.

FILM 21355 - National Cinema: Asian Cinema

GER 3/A PD/A
prereq: FILM 10100
4 hrs 3 cr.

Geography

GEOG 15000 - World Regional Geography

GER 2/B PD/A or D
A survey of the world’s major regions. Geographic concepts and principles are used to study the physical, economic, social and political conditions and problems in the culturally diverse world. Spatial expression of culture; specialized behavior patterns; adaptations and way of life in distinct environments. Regional interdependence; implications for development.
prereq: ENGL 12000
3 hrs 3 cr.
Offered fall and spring

GEOG 27000 - Regional Geography of Mexico, Central America and the Caribbean

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Mexico, Central America and West Indies.
3 hrs 3 cr.

GEOG 27100 - Regional Geography of South America

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of South America.
3 hrs 3 cr.

GEOG 27400 - Regional Geography of the Middle East and North Africa

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Middle East and North Africa.
3 hrs 3 cr.

GEOG 27500 - Regional Geography of Sub- Saharan Africa

GER 3/B PD/A
Analysis of the relationship of natural environment to economic, social and political life of Africa south of Sahara.
3 hrs 3 cr.
GEOG 27700 - Regional Geography of East Asia

GER 3/B PD/A
Analysis of East Asia's potentials in terms of natural resources, population, industry and agriculture, with emphasis on China.
3 hrs 3 cr.

GEOG 27800 - Regional Geography of Russia and Central Asia

GER 3/B PD/A or D
Analysis of the relationship of the natural environment to economic, social and political life of Russia, the former Soviet republics of Central Asia and Mongolia.
3 hrs 3 cr.

GEOG 37000 - Geography of Sustainable Development in Developing Countries

GER 3/B PD/A
Reviews the theories and approaches of international development. Themes include development theory, availability and distribution of resources, population growth, food production, water supply and forestry. The course will also highlight the development and environmental problems that challenge the achievement of sustainable development such as population growth, food and world economic crises, increasing number of the poor and climate change. The course will provide students with theory, methods, problems and analysis of factors that influence sustainable development in developing countries.

prereq: one of the following: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.
3 hrs 3 cr.

GEOG 37100 - Rural Water Supply in Developing Regions

GER 3/B PD/A
Covers concepts, methods and analysis of rural water utilization and related problems and challenges in developing countries. It will discuss water management and quality and their relationship with sanitation and hygiene education. The course will also discuss methods of providing drinking water in a sustainable manner.

prereq: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.
3 hrs 3 cr.

History

HIST 11100 - World History to 1500

GER 2/B PD/A
The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional connections; the spread of civilization across the globe.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 27651 - The Modern Middle East from 1800 to the Present

PD/A
The transformation of states and peoples in the last two centuries in the region stretching from Turkey to Iran and including Iraq, Syria, Egypt and Arabia. Modern social and cultural trends, conflicts and reactions under the impact of
imperialism, nationalism, economic trends and religious forces.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 27700 - East Asia to 1600**

GER 2/B PD/A
Survey of traditional cultures and sociopolitical structures of China, Japan, Korea and Vietnam to about 1600 AD.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 27800 - East Asia, 1600 to the Present**

GER 2/B PD/A
Coming of West to Asia and resulting processes of revolution and modernization after 1600 AD.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 28800 - History of Africa to the 19th Century**

GER 2/B PD/A
Survey of pre-colonial African societies with emphasis on economic and social institutions changing under the impact of the environment.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 28900 - Africa in the 19th and 20th Centuries**

GER 2/B PD/A
Historical explanation of independent Africa rising after colonialism and adjusting to modernization.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 30900 - Jewish History in the Ancient World**

GER 3/B PD/A
The Jewish people from its origins in late antiquity; social and intellectual developments from biblical to Talmudic times.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 31900 - Jewish History in the Medieval and Early Modern Periods (W)**

GER 3/B PD/A
The Jewish people from late antiquity to the 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.
HIST 37300 - History of the Ottoman Empire (W)

GER 3/B PD/A
This course comprises, chronologically and thematically, the history of the Ottoman Empire from the Turkic migrations in the 12th-century to the end of the empire in 1923 and the rise of nationalism in the Middle East. Fundamental knowledge of the history of the Middle East is recommended.

prereq: ENGL 12000
3 hrs 3 cr.

HIST 37900 - Japan to 1800

GER 3/B PD/A
Japanese history from Neolithic times to the late Tokugawa period, emphasizing political, social, religious and cultural developments.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 38000 - Japan since 1800

GER 3/B PD/A
Japan's remarkable transformation from the late Tokugawa to the present, emphasizing political, cultural and social-economic aspects of the Meiji Restoration, the rise of militarism and post-World War II developments.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

Honors

Music

MUSHL 10700 - The World of Music

GER 2/D PD/A
For non-majors. Introduction to music from a spectrum of world cultures, including Africa, Asia, and the Caribbean.
3 hrs 3 cr.

MUSHL 24000 - Music of the Caribbean and Latin America (W)

GER 3/A PD/A
Origin and development of Caribbean and Latin American musical styles and their impact on the United States and other parts of the world.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 101, or perm instr.
3 hrs 3 cr.

MUSHL 24100 - Music of Asia (W)

GER 3/A PD/A
Music and its relationship to dance and drama in the major civilizations of East Asia, Southeast Asia, South Asia, Central Asia, and the Middle East.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 24500 - Music of Africa (W)

GER 3/A PD/A
Introduction to traditional and popular African music and performance practices. Theoretical and methodological issues as defined by ethnomusicology.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 26100 - Special Topics in History and Literature of Music (W)

GER 3/A PD/A or B or C
Study of works illustrating one specific genre, style, or period. Topics to be announced. May be taken 6 times. Depending on topic, may satisfy PD.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 35200 - Introduction to Ethnomusicology I (W)

PD/A
prereq: MUSTH 22100, 23100 or perm instr; ENGL 12000
3 hrs 3 cr.

MUSHL 35300 - Introduction to Ethnomusicology II (W)

PD/A
Survey of musical traditions of North Africa, the Middle East, Oceania, and South and East Asia.
prereq: MUSTH 22100, 23100 or perm instr; ENGL 12000
3 hrs 3 cr.

Philosophy

PHILO 21900 - Asian Philosophies

GER 3/A PD/A
Readings from classics of Indian, Chinese and Japanese philosophy drawn from traditions of Buddhism, Hinduism, Taoism and Confucianism.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

Political Science

POLSC 25200 - Government and Politics in the Caribbean (W)

GER 3/B PD/A
Colonial heritage and American presence. Political institutions, cultural diversity and economic dependency.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 25300 - Government and Politics in Latin America (W)

GER 3/B PD/A
Ideology, revolution, authoritarianism, democracy, institutions, class structure, distribution of wealth and power, political and economic development.
cross-listed LACS 43405
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 25500 - Government and Politics of Japan and Korea (W)

GER 3/B PD/A
Political, social and economic institutions of Japan and Korea; their domestic politics and relations with the world.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 25600 - Government and Politics in South and Southeast Asia (W)

GER 3/B PD/A
Political, economic and social institutions of India, Cambodia, Vietnam, Indonesia, Thailand, etc.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 26200 - Government and Politics in Central America (W)

GER 3/B PD/A
Political institutions, ideology, class and ethnic structure, economic development, distribution of wealth and power, foreign influences and revolutionary and evolutionary roads to modernization.
cross-listed LACS 43429
prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 26300 - Government and Politics in the Middle East (W)

GER 3/B PD/A
Introduction to Islamic societies and their politics with particular attention to cultures of region.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 26700 - The Politics of Southern Africa (W)

GER 3/B PD/A
Political, economic and social institutions in Zimbabwe, Kenya, Nigeria, Tanzania, South Africa, etc.
cross-listed AFPR 29015
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.
POLSC 38100 - East Asia in World Politics (W)

GER 3/B PD/A
An examination of sources of stability and instability in East Asia, using social science theories and historical background.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or perm instr.
3 hrs3 cr.

Religion

REL 25100 - Eastern Religions (W)

GER 2/C PD/A
Study of Hinduism, Buddhism, Jainism, Taoism and Confucianism.
prereq: ENGL 12000
3 hrs3 cr.

REL 25200 - Ancient Near Eastern Religions (W)

GER 2/C PD/A
Study of Egyptian religion, religions of Sumer and Babylonia, religion of the early Hebrews (including the Old Testament).
prereq: ENGL 12000
3 hrs3 cr.

REL 25400 - Tribal Religions: From Australia to the Americas (W)

GER 2/C PD/A or B
Study of indigenous religions of Pacific Islanders and North American Indians.
prereq: ENGL 12000
3 hrs3 cr.

REL 25500 - Religions of Two Gods (W)

GER 2/C PD/A
A survey of historical varieties of dualistic religion both classical and modern which inquires into the moral grounds for their recurring appeal.
prereq: ENGL 12000
3 hrs3 cr.

REL 32000 - Hinduism (W)

GER 3/A PD/A
Study of Hinduism, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs3 cr.

REL 32100 - Buddhism (W)
GER 3/A PD/A
Study of Buddhism, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs3 cr.

REL 32200 - Islam (W)
GER 3/A PD/A
Study of Islam, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs3 cr.

REL 32400 - Islam and Buddhism (W)
GER 3/A PD/A
Study of Islam and Buddhism, their founders, development, beliefs, rituals and interaction.
prereq: ENGL 12000
3 hrs3 cr.

REL 33600 - Zen (W)
GER 3/A PD/A
An inquiry into the teachings of Chinese and Japanese Zen in light of their Buddhist and Daoist backgrounds.
prereq: ENGL 12000
3 hrs3 cr.

REL 33700 - Sufism (W)
GER 3/A PD/A
A course on the esoteric or mystical dimension of Islam, known among Muslims as ta/awwuf, attending to the history, doctrine and metaphysics of the Sufi path.
prereq: ENGL 12000
3 hrs3 cr.

Romance Languages

SPAN 26900 - Spanish American Women's Literature and Cinema (W)
GER 3/A PD/A or C
Conducted in English. An interdisciplinary approach to contemporary women's literature and cinema from Spanish America focusing on gender issues.
Taught in English. This course is designed for students who want to become acquainted with Spanish culture. Cannot be credited toward the major and are not recommended for the minor.
cross-listed WGS 26900
prereq: ENGL 12000
3 hrs3 cr.

Sociology

SOC 36100 - Development and Modernization (W)
Women and Gender Studies

WGS 200XX - Special Topics in Women and Gender Studies

PD/A or B or C or D
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalism Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.
3 hrs 3 cr.

WGS 26900 - Spanish American Women's Literature and Cinema (W)

GER 3/A PD/A or C
Conducted in English. An interdisciplinary approach to contemporary women's literature and cinema from Spanish America focusing on gender issues.
cross-listed SPAN 26900
prereq: ENGL 12000
3 hrs 3 cr.

WGS 300XX - Special Topics in Women and Gender Studies

PD/A
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalizing Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.
3 hrs 3 cr.

Pluralism and Diversity Requirement – Group B: 3 credits

A course focusing on scholarship about major practical or theoretical issues (e.g., artistic, economic, geographic, literary, political, scientific or social) that emerge from, are reflected in or are principally derived from the historical conditions, perspectives, immigrant experiences and/or intellectual traditions of one or more of the following groups in the United States of America: African Americans, Asian Americans, Latino Americans and Native Americans.

Africana and Puerto Rican/Latino Studies

AFPRL 10000 - Introduction to Black Politics

General survey of politics of African world with major emphasis on politics in Black America.
*AFPRL 10100 - Introduction to Africana Studies*

Introduction to the history and culture of Africa and the African diaspora.

*AFPRL 10200 - Latino Communities in the United States*

Migration, ethnicity, community life and public policy issues of Latino groups compared to the Puerto Rican experience.

*AFPRL 10300 - Conquest and Resistance: Puerto Rican Experiences in Comparative Perspective*

Introductory study of the Puerto Rican experience compared with experiences of Native and African Americans, Chicanos and Pacific Island peoples in the territorial expansion of the United States.

*AFPRL 14100 - Puerto Rican Folklore*

Study of Puerto Rican folklore: traditional beliefs, legends, religious rites and typical music.

*AFPRL 20300 - African American History I*

Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.

*AFPRL 20400 - African American History II*

Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.

*AFPRL 20500 - African American Politics of Social Change*

The Civil Rights Movement and social change in U.S. Since 1954.
AFPR 22000 - African Spirituality in the Diaspora

GER 2/C PD/A or B
The nature and expressions of the spiritual ethos enabling the survival of classical African human values in dehumanizing circumstances during and after enslavement in North America, South America and the Caribbean.
3 hrs 3 cr.

AFPR 23600 - African American Literature (W)

GER 2/A PD/B
Introduction to African American writing, from earliest expressions to present.
prereq: ENGL 12000
3 hrs 3 cr.

AFPR 23700 - African Caribbean Literature (W)

GER 2/A PD/A or B
Introduction to the historical development and major artistic preoccupations of Caribbean literature. The course is conducted in English; all course requirements are in English.
prereq: ENGL 12000
3 hrs 3 cr.

AFPR 23800 - Introduction to the Literature of the African Diaspora (W)

Introduction to a cross-section of texts that contribute to the creation and development of an African Diaspora literary tradition.

GER 2/A PD/A or B
prereq: ENGL 12000
3 hrs 3 cr

AFPR 24300 - Puerto Rican Culture

GER 2/C PD/A or B
General study of Puerto Rican culture and ethnic mixtures that went into making of that culture.
3 hrs 3 cr.

AFPR 24400 - Puerto Ricans in the United States

GER 2/B PD/B
Survey of the origins, contemporary and future development of Puerto Ricans in the United States.
3 hrs 3 cr.

AFPR 25500 - Puerto Rican/Latino Children in North American Schools

PD/B
Survey of educational system viewed as an acculturating institution.
3 hrs 3 cr.
AFPRL 29000 - Selected Topics in Africana and Puerto Rican/Latino Studies

PD/A or B
Topics change according to instructor.
3 hrs 3 cr.

AFPRL 30400 - Leaders and Movements of Black Urban Communities (W)

GER 3/B PD/B
Personalities and movements that have influenced Black communities of U.S.; focuses mainly on 20th century.
prereq: AFPRL 20300 or 20400 or 20500
3 hrs 3 cr.

AFPRL 30900 - African-Americans and Africa (W)

GER 3/B PD/A or B
Major evidence of Black American involvement and interest in Africa from 1775 to present.
prereq: AFPRL 20300 or 20400
3 hrs 3 cr.

AFPRL 31300 - Slavery (W)

GER 3/B PD/A or B
Historical overview of slavery from Africa to the Americas.
prereq: AFPRL 20300 or 20900 or perm instr.
3 hrs 3 cr.

AFPRL 31900 - Women in the African Diaspora (W)

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance and in sustaining African culture and values.
cross-listed WGS 32900 (W)
prereq: AFPRL 20400 or 20900 or 21000 or perm instr.
3 hrs 3 cr.

AFPRL 32000 - African-Caribbean Culture (W)

GER 3/A PD/A or B
prereq: AFPRL 20900 or 21000 or 22200
3 hrs 3 cr.

AFPRL 32100 - Caribbean Migration and New York City (W)

GER 3/B PD/A or B
An historical examination of the lives of Caribbean immigrants in New York City from the causes for emigration to the development of an ethnic community in the City.
prereq: ENGL 12000; AFPRL 20700, 20800, 20900, 21000, 30700 or 30800
3 hrs3 cr

AFPRL 35100 - Major Puerto Rican Figures (W)

GER 3/B PD/A or B
Theorists, poets and statesmen in formation of Puerto Rican nationality.
prereq: AFPRL 14300 or 24200 or 24300
3 hrs3 cr.

AFPRL 35600 - Latino Literature in English (W)

GER 3/A PD/B
Latino writing in English in the U.S.; analysis of cultural, linguistic and ideological factors as found in the work of such authors as Sandra Cisneros (Chicana), Pedro Pietri (Puerto Rican) and Oscar Hijuelos (Cuban-American).
3 hrs3 cr.

AFPRL 36200 - Puerto Rican and Caribbean Religious Practices (W)

GER 3/A PD/A or B
Reading knowledge of Spanish suggested. Analysis of roots of folk religion in Indian, African and Spanish cultures. Religious syncretisms, popular imagery and ritual practices.
prereq: AFPRL 14100 or 24300
3 hrs3 cr.

AFPRL 38700 - Puerto Rican/Latino Politics in the United States (W)

GER 3/B PD/B
An analysis of the political participation and leadership of Puerto Ricans and other Latinos in the United States.
prereq: either AFPRL 10200, 24200 or 24400 or perm. Instr.
3 hrs3 cr.

AFPRL 42800 - Selected Topics in Africana and Puerto Rican/Latino Studies: Social Science

GER 3/B PD/B
Topics change according to instructor.
Pluralism and diversity requirements are dependent on the topic course.
prereq: perm dept.
3 hrs3 cr.

Anthropology

ANTHC 21100 - Native North America: Societies and Cultures

GER 3/B PD/A or B
Adaptive strategies and cultural variations in pre and post-contact periods; problems in contemporary societies.
3 hrs3 cr.
ANTHC 21500 - The Anthropology of Black America (W)

GER 3/B PD/B
Examines anthropological knowledge about Black America and the various socio-political contexts in which this body of scholarship has been produced. Focuses on the politics of knowledge production on Black culture.

prereq: ENGL 12000
3 hrs 3 cr.

ANTHC 21800 - The Anthropology of the Civil Rights Movement in the U.S.

GER 3/B PD/B
This course examines the grassroots struggle to gain equality and justice in the United States, viewed as a social protest movement, from the perspective of cultural anthropology. The course will focus on the major events, themes and issues of the Civil Rights Movement and examine their effect in challenging the American concept of democracy; in changing those who participated in it; and in spawning other social movements that transformed American society and culture.

prereq: ANTHC 101 or departmental permission
prereq or coreq: ENG 120
3 hours 3 credits

ANTHC 32000 - Problems in Anthropology

GER 3/B
Topics TBA. Recent courses have looked at globalization, social movements and civil society, energy policy, women and economic development, international migration. Depending on topic, may meet PD/A, B, or C.

prereq: perm instr.
3 hrs 3 cr.
offered every sem.

ANTHC 42600 - Seminar in Archaeological Field Methods

Introduction to field methods and techniques in survey and excavation; involves weekend fieldwork on nearby sites. Depending on topic, may meet PD/B or D.

prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

Asian American Studies

ASIAN 21000 - Asians in the U.S.

PD/B
Interdisciplinary examination of Asian American experiences of discrimination and exclusion in the context of domestic and foreign U.S. policies regarding immigration, labor, and national identity. Through an examination of historical, theoretical and cultural texts, the course also looks at the impact of the current expansion of Asian American communities on America’s social, cultural, and political order.

3 hrs, 3 cr.
3 hrs 3 cr.

**ASIAN 22001 - Asian American Women Writers**

PD/B or C
Critical examination of Asian American women’s identity formations in relation to factors such as racial ideology, global migrations of labor and capital, class status, sexuality, military conflict, constructions of family, and language.

3 hrs 3 cr.

**ASIAN 22004 - Arab American Literature**

PD/B
Critical examination of a cross-section of literature and film/video/performance by Arab American writers and artists in an interdisciplinary investigation of the historical and contemporary experiences of Arab Americans in the United States and western diaspora.

3 hrs 3 cr.

**ASIAN 22005 - South Asian Women’s Literature**

PD/B or C
Close examination of literary, historical, and theoretical texts with a focus on the cultural production and social movements of South Asian women, with particular attention to how issues of race and nationalism are shaped and how they have overlapped with gender, class, sexuality, religion, and language.

3 hrs 3 cr.

**ASIAN 22006 - Filipino American Literature**

PD/B
Close examination of the historical and social contexts in which Philippine-American literature has evolved, the diverse aesthetics and themes of individual writers, and analysis of how issues of Philippine-American cultural production takes up issues of gender, class, sexuality, religion, language, and national identity.

3 hrs 3 cr.

**ASIAN 22009 - Gender and Genre in Asian American Literature and Film**

PD/B, PD/C
Critical exploration of the social construction of Asian American identity in various genres: video art, prose, poetry, memoir, performance, and film. The emphasis of the course is on intersectional analyses that critically examine how race, gender, class, and sexuality inform Asian American artists' decisions regarding form and genre.

3 hrs 3 cr.

**ASIAN 22012 - Asian American Literature**

PD/B or C
Critical examination of literary texts by Asians in the U.S. and western diaspora, tracing Asian American literary production in order to understand how these literatures are a formative site to engage in intersectional analyses of constructions of history, citizenship, and identity.

3 hrs 3 cr.

**ASIAN 23001 - Globalization and Gender**

PD/B

3 hrs 3 cr.

**ASIAN 23002 - Asian American Communities and Mental Health**

PD/B

Introduction to psychological experiences of Asian Americans, including historical, sociopolitical, and cultural influences that shape personality and mental health. Specific topics include stereotypes and racism, processes of acculturation and enculturation, ethnic identity development, interracial relationships, stressors and social support systems within Asian American communities, and culturally competent mental health treatment and service delivery.

3 hrs 3 cr.

**ASIAN 32001 - Nation, Self, and Asian Identity**

PD/B

Critical examination of literary constructions of Asian American identity in relation to the U.S. nation-state, with particular emphasis placed upon juridical constructions of citizenship, community, and belonging.

3 hrs 3 cr.

**ASIAN 32005 - Asian American Memoir**

PD/B

Close examination of memory as an imagined and contested site that complicates and challenges how we constitute self and other. Students will analyze constructions of identity through Asian American narratives, and their relation to language, form and experience, including immigration and gendered narratives to transnational categories of homeland and belonging.

3 hrs 3 cr.

**ASIAN 32100 - Asian American Social Protest Literature**

PD/B

Deconstruction and examination of historical and contemporary Asian American literatures of social protest and resistance. Students utilize readings as a framework for initiating, planning, and executing semester-long community-based projects.

3 hrs 3 cr.

**ASIAN 33001 - Chinese in the U.S.**
ASIAN 33003 - South Asians in the U.S.

ASIAN 33008 - Muslim Diasporas

PD/B
Interdisciplinary course moving through the history of Islam and its expressions in many areas of the world (including Sufism), to the cultural identity, art, and literature of the Muslim Diaspora in the United States, their misrepresentations in the media, and fetishization by popular culture.

3 hrs 3 cr.

ASIAN 33052 - Oral History, Cultural Identity and the Arts

ASIAN 34001 - Asian Pacific American Media

PD/B
Addresses Asian Pacific American experiences of assimilation, displacement, marginalization, multiculturalism, and resistance to the cultural 'norm' within Asian Pacific communities through screening a wide range of films and videos and reviewing critical and fictional writing. Guest artists may also lecture.

3 hrs 3 cr.

ASIAN 34003 - West Asian American Literature and Film

PD/B
Interdisciplinary course that first examines the cultural, linguistic, and religious diversity of West Asia, sometimes called Central Asia and/or the Middle East, to then focus on the literature and film of their diasporic communities in the U.S.

3 hrs 3 cr.

ASIAN 35100 - Asian American History of Labor and Politics

PD/B
This seminar explores the interconnected issues of race, class, and nationality through the study of the history of Asian immigrant labor in the U.S. in the context of American economic needs and political environment.

3 hrs 3 cr.

ASIAN 39001 - International Migration

PD/B
This interdisciplinary course examines the origins and processes of migration and settlement, past and present. Includes a series of lectures by leading scholars from a variety of academic fields and immigrant communities. Topics include: immigration and labor, race and gender, social and cultural identity, immigration policy and political action, and the trans-nationalization of education and family life.

3 hrs 3 cr.

ASIAN 39002 - Asian American Civil Rights and the Law
PD/B
Critical examination of major immigration and civil rights laws and Supreme Court cases that have affected Asian Americans.

3 hrs 3 cr.

ASIAN 39006 - Gender and Sexuality in Asian American Literature and Film

ASIAN 39015 - Immigration and the Economy

3

ASIAN 39016 - Ethnicity and American English

ASIAN 39018 - Asian American Poetics

ASIAN 49100 - Asian American Movement and Community Organizations

PD/B
Semester-long analysis of the development of pan-ethnic Asian American consciousness and institutions since the late 1960s, with a focus on this movement's impact on community organizations of Asian national sub-groups examined in the context of larger American racial and ethnic politics.

3 hrs 3 cr.

ASIAN 49000 - Immigration Policy

PD/B

English

ENGL 25000 - Topics in Literature

GER 2/C, PD/A or B or C or D
Specific critical and thematic approaches to selected works of literature written in English. Course may be taken twice if the topic differs, but not more than twice. Some topics in ENGL 250 satisfy PD requirements in categories A, B, C, or D. Check in the schedule of classes and with an undergraduate adviser.

prereq: ENGL 22000

3 hrs 3 cr.

ENGL 25600 - Topics in Literature by Non-European Americans (W)

GER 3/A PD/B
Each course is an examination of one or more of the following groups: African Americans, Asian Americans, Latino Americans, Native Americans and Caribbean Americans. May be repeated once for credit with a different topic.

prereq: ENGL 22000

3 hrs 3 cr.

ENGL 31800 - Advanced Topics in Literature of Non-European Americans (W)
GER 3/A PD/B
Each course is an advanced examination of one or more of the following groups: African Americans, Asian Americans, Latino Americans, Native Americans and Caribbean Americans. May be repeated once for credit with a different topic.  
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32000 - Multi-Ethnic American Literature (W)

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.  
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32100 - Studies in African American Literature

GER 3/A PD/B
Selected works by African American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.  
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32400 - Studies in Native American Literature

GER 3/A PD/B
Selected works by Native American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.  
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 38900 - One Major Writer (W)

GER 3/A PD/C or D
Authors vary from semester to semester. May be taken more than once with permission of dept. Some authors may satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.  
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 49400 - Honors Seminar: Special Studies

GER 3/A PD/C
Topics in British and American literature and linguistics. May be taken a second time in another subject. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.  
1 sem 3 cr.

Film and Media Studies

FiLM 21400 - Multicultural Perspectives in Cinema
Study of the contributions of minority groups to filmmaking, including examination of how those contributions have countered stereotypical representations of racial, national, and cultural identity in mainstream cinema. May be repeated for credit with a different topic.

**FILM 32700 - Representations of Race and Ethnicity in U.S. Media**

A historical look at changes and continuities in the social construction of a selected race or ethnicity in movies; advertising, including political campaigns; journalism, and other forms of American popular culture. May be repeated for credit with different topic.

*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*

**Geography**

**GEOG 24100 - Population Geography**

Course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.

**GEOG 34200 - Geography of International Migration and Ethnicity**

Quantitative and qualitative examination of historic and contemporary international migration patterns. Spatial demographic impacts of immigration policy in the United States with a focus on major urban centers. Comparative analysis of ethnic and racial minorities in the United States.

**Music**

**MUSHL 21700 - History of Jazz (W)**

Survey of jazz from its origins to the present.

**MUSHL 22100 - Black Music in the Americas (W)**
GER 3/A PD/B
The origins, history, and evolutionary progression of Black music in the Americas; shared musical practices and resources in the multicultural matrix of the United States in particular and the hemisphere in general.
_prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 26100 - Special Topics in History and Literature of Music (W)
GER 3/A PD/A or B or C
Study of works illustrating one specific genre, style, or period. Topics to be announced. May be taken 6 times. Depending on topic, may satisfy PD.
_prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

Nursing

NURS 34600 - Death and Dying
P/D B
Provides an overview of current theories, concepts, and practices associated with death, dying and end-of-life care.
3 hrs 3 cr.

NURS 38400 - Nursing Culturally Diverse Families
PD/B
Open to RN Pathway students only. Explores the interrelationships between sociocultural factors and health care practices of families from diverse cultures as a basis for nursing practice. Principles of service-learning are reflected in the culturally competent interventions.
3 hrs 3 cr.

Philosophy

PHILO 22600 - African-American Philosophy (W)
GER 3/A PD/B
Development of the African-American intellectual tradition. Study of the work of such figures as Equiano, Douglass, Cooper, Blyden, Du Bois and Hurston.
_prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

Political Science

POLSC 22100 - U.S. Immigration Policy (W)
GER 3/B PD/B & C
The course focuses on the political development of federal immigration policy, and on historical and contemporary issues in policy design and implementation. The course also surveys recent findings and debates arising from empirical analyses of immigration policy.
_prereq: ENGL 12000 or its equivalent and POLSC 11000/11100 or HIST 15100/15200
POLSC 32000 - Ethnic Politics (W)

GER 3/B PD/B
Ethnicity in local and national politics. Major groups, how they affect government, what government does for them.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

Religion

REL 25400 - Tribal Religions: From Australia to the Americas (W)

GER 2/C PD/A or B
Study of indigenous religions of Pacific Islanders and North American Indians.
prereq: ENGL 12000
3 hrs 3 cr.

REL 25600 - Afro-Caribbean Religions (W)

GER 2/C PD/B
An introduction to the diversity of African-based religions in the Caribbean and beyond.
prereq: ENGL 12000
3 hrs 3 cr.

Sociology

SOC 21700 - Race and Ethnicity

GER 3/B PD/B
Dominant-subordinate relations among selected groups: Asians, Blacks, Hispanics, Jews, Indians, White ethnics.
prereq: SOC 10100
3 hrs 3 cr.

SOC 30700 - Migration

GER 3/B PD/B
Economic, demographic, political and cultural factors influencing migration and the consequences of migration.
prereq: SOC 10100
3 hrs 3 cr.

Theatre

THEA 21400 - Multicultural Perspectives in Theatrical Performance (W)

GER 3/A PD/B
Study of a selected minority theatre tradition in the United States: original roots, development, and influence on the cultural life of the group to be studied and on American culture in general. May be repeated for credit with a different
THEA 21500 - Black Theatre (W)

GER 3/A PD/B
Background and development, present practice, and future possibilities of Black theatre in America.
prereq: ENGL 12000, THEA 10100
3 hrs 3 cr.

Women and Gender Studies

WGS 200XX - Special Topics in Women and Gender Studies

PD/A or B or C or D
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalism Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.
3 hrs 3 cr.

WGS 20600 - Gender and Immigration

GER 3/B PD/B
A study of the historical and contemporary aspects of United States immigration patterns and policy with a particular focus on gender and race.
prereq: WGS 10000 and ENGL 12000
3 hrs 3 cr.

WGS 32900 - Women in the African Diaspora (W)

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance, and in sustaining African culture and values.
cross-listed AFPRL 31900 (W)
prereq: AFPRL 20400, 20900 or 21000 or perm instr.
3 hrs 3 cr.

Pluralism and Diversity Requirement – Group C: 3 credits

A course focusing on scholarship about major practical or theoretical issues (e.g., artistic, economic, geographic, literary, political, scientific or social) that emerge from, are reflected in or are principally derived from the historical conditions, perspectives and/or intellectual traditions of women and/or issues of gender or sexual orientation.

Africana and Puerto Rican/Latino Studies

AFPRL 31800 - Women in Africa (W)
GER 3/B PD/C
Examination of African womanhood in traditional setting during colonialism and neo-colonialism, independence and revolution.
cross-listed WGS 31800 (A Writing-intensive Course)
prereq: AFPRL 20200 or 22200 or perm instr.
3 hrs3 cr.

AFPRL 31900 - Women in the African Diaspora (W)
GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance and in sustaining African culture and values.
cross-listed WGS 32900 (W)
prereq: AFPRL 20400 or 20900 or 21000 or perm instr.
3 hrs3 cr.

AFPRL 33600 - African-American Women Writers (W)
GER 3/A PD/C
African-American female authors from slavery to present: novels, short stories, essays, plays, poetry, teenage fiction and children's books.
cross-listed WGS 33600 (W)
prereq: AFPRL 23600 or perm instr.
3 hrs3 cr.

Anthropology

ANTHC 30100 - Gender in Anthropological Perspective
GER 3/B PD/C
Men and women in different societies, division of labor, socialization, stratification, political activism and gender construction.
cross-listed WGS 30100
prereq: ANTHC 10100 or perm instr.
3 hrs3 cr.

ANTHC 31200 - Anthropological Approaches to Sexuality
GER 3/B PD/C
Documents the social construction of human sexuality through an examination of sexual variation cross-culturally and over recent history, including the development of sexually defined communities and identities within contemporary societies.
prereq: ANTHC 10100
3 hrs3 cr.

ANTHC 32000 - Problems in Anthropology
GER 3/B
Topics TBA. Recent courses have looked at globalization, social movements and civil society, energy policy, women and economic development, international migration. Depending on topic, may meet PD/A, B, or C.
prereq: perm instr.
3 hrs 3 cr.
offered every sem.

ANTHC 32200 - Family and Household in Anthropology and History

GER 3/B PD/C
Examines variations in household structure and family relations across cultures and over time, focusing on the relationship between domestic arrangements and other aspects of society.
prereq or coreq: ANTHC 10100
3 hrs 3 cr.

Asian American Studies

ASIAN 22009 - Gender and Genre in Asian American Literature and Film

PD/B, PD/C
Critical exploration of the social construction of Asian American identity in various genres: video art, prose, poetry, memoir, performance, and film. The emphasis of the course is on intersectional analyses that critically examine how race, gender, class, and sexuality inform Asian American artists' decisions regarding form and genre.

3 hrs 3 cr.

Biological Sciences

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 16000 - Honors Principles of Biology II

GER 2/E PD/C or D
Physiological systems and their regulation: internal transport, hormones and gas exchange in plants and animals;
osmoregulation; motility; nervous, neuroendocrine, immunological and sensory systems; behavior, reproduction and ecology. Students will read reviews of current research in addition to the required text. Guest speakers and class presentations.

Enrollment limited. Core credit awarded only if BIOL 10000 and 16000 are both completed. PD credit awarded only upon completion of BIOL 10000 and 16000.

prereq: grade of B or better in BIOL 10000 or perm instr, MATH 10100 or equiv.

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

Classical and Oriental Studies

Classics Division

CLA 30500 - Women and Slaves in Classical Antiquity (W)

GER 3/A PD/C or D
Women and slaves in Greek and Roman society and their influence on Western attitudes about sex and class.
cross-listed WGS 30500 (W)
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

Hebrew Division

HEBR 21000 - Selected Studies in Hebrew Literature in Translation

PD/C
Study of selected masterpieces or major themes in Hebrew literature in translation. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement; check with department.
3 hrs3 cr.

HEBR 25000 - Topics in Hebraic Studies

PD/C
Study in depth of a selected topic in Hebraic studies. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement; check with department.
3 hrs3 cr.

HEBR 28400 - Images of Women in the Old Testament, in Translation

GER 3/A PD/C
Depiction of women in ancient Israelite prose and poetry. Close reading and analysis of texts in terms of literary techniques, cultural background and ideological implications.
3 hrs3 cr.

HEBR 45100 - Selected Studies in Hebrew Literature

PD/D
Course will concentrate on an author, theme, genre or period in Hebrew literature. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement.
prereq: HEBR 20200 or equiv, perm division

3 hrs 3 cr

Russian Division

RUSS 15600 - Culture of Imperial Russia: the Age of Empresses

GER 2/C PD/C
Major cultural movements of the Empire baroque, classicism, romanticism and their effect on the cultural fabric of Russia from Regent Sophia through the reign of Peter to Catherine the Great.
cross-listed WGS 15600
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 26000 - Russian Women Writers in English Translation (W)

GER 3/A PD/C
cross-listed WGS 26000 (W)
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 36000 - Russian Women Writers

GER 3/A PD/C
cross-listed WGS 36100
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

Economics

ECO 34500 - Women and Men in the Labor Market

GER 3/B PD/C
Demand for labor, determination of wages and allocation of time between paid and unpaid activities, “human capital” investments, labor market policy issues.
cross-listed WGS 34500
prereq: ECO 20000
3 hrs 3 cr.

ECO 35000 - Comparative Economic Systems
Comparative analysis of market and planned economies in theory and practice. Process and problems of transitions between planned and market economies.

*prereq: ECO 20000, 20100
3 hrs 3 cr.*

**English**

**ENGL 25800 - Topics in Literature by Women (W)**

GER 3/A PD/C
Selected works by women written in English will be studied with emphasis on the diversity of women's lives and the effect of gender on experience. May be repeated once for credit with a different topic.

cross-listed WGS 25800 (W)
*prereq: ENGL 22000
3 hrs 3 cr.*

**ENGL 31900 - Advanced Topics in Literature by Women (W)**

GER 3/A PD/C
Selected works by women in a selected theme, technique, genre, theoretical issue, or cultural consideration. May be repeated once for credit with another topic.

cross-listed WGS 31900
*prereq: ENGL 22000
3 hrs 3 cr.*

**ENGL 25000 - Topics in Literature**

GER 2/C, PD/A or B or C or D
Specific critical and thematic approaches to selected works of literature written in English. Course may be taken twice if the topic differs, but not more than twice. Some topics in ENGL 250 satisfy PD requirements in categories A, B, C, or D. Check in the schedule of classes and with an undergraduate adviser.

*prereq: ENGL 22000
3 hrs 3 cr.*

**ENGL 30800 - Workshop in Non-Fiction I**

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of various non-fiction genres, including memoir/autobiography and other forms of personal essays, review essays, occasional pieces, and philosophical essays.

*prereq: ENGL 30000
3 hrs 3 cr.*

**ENGL 38600 - Topics in British and American Literature**

GER 3/A, PD/C or PD/D (some topics)
Topics vary from semester to semester. Check the schedule of classes and with the undergraduate adviser to see which topics meet PD requirements.

*prereq: ENGL 22000
3 hrs 3 cr.*
ENGL 38700 - Selected Studies in British Literature

GER 3/A
Topics vary from semester to semester. Some topics may satisfy PD requirements in categories C or D; check the schedule of classes and with the undergraduate adviser.

prereq: ENGL 22000
3 hrs/3 cr.

ENGL 38900 - One Major Writer (W)

GER 3/A PD/C or D
Authors vary from semester to semester. May be taken more than once with permission of dept. Some authors may satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.

prereq: ENGL 22000
3 hrs/3 cr.

ENGL 39800 - Selected Studies in American Literature

GER 3/A PD/C
Authors or topics vary from semester to semester. Some topics may satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.

prereq: ENGL 22000 ENGL 39500 or ENGL 39600
3 hrs/3 cr.

ENGL 39900 - Selected Studies in American Literature (W)

GER 3/A PD/C
Authors or topics vary from semester to semester. Some topics may satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.

prereq: ENGL 22000, ENGL 39500 or ENGL 39600
3 hrs/3 cr.

ENGL 49400 - Honors Seminar: Special Studies

GER 3/A PD/C
Topics in British and American literature and linguistics. May be taken a second time in another subject. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.

1 sem/3 cr.

Film and Media Studies

FILM 21500 - Women and Film

GER 3/A PD/C
Films by women directors and the ways women's films counter the dominant patriarchal view of women reflected in commercial cinema.

prereq: FILM 10100
4 hrs/3 cr.

MEDIA 38400 - Women and Media
GER 3/A PD/C
Examination, from historical and formal perspective, of ways in which women have been represented by mass media in America since mid-19th century. Exploration of how feminists for 100 years have challenged these images and posed alternative modes of cultural representation and production.
cross-listed WGS 38400 (W)
prereq: MEDIA 18000
3 hrs 3 cr.

Geography

GEOG 24100 - Population Geography

GER 3/B PD/B or C
Course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.
prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs 3 cr.

German

GERMN 32300 - Women in German Literature

GER 3/A PD/C
Reading and discussion of literature from the 19th century to the present written in German by and about women. (Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

History

HIST 36600 - Role of Women in American History

GER 3/B PD/D
Women in all aspects of the country's past; drive to suffrage and its aftermath. Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

Music

MUSHL 25000 - Women and Music (W)

GER 3/A PD/C
An ethnomusicological study of women and music in cross-cultural perspective.
cross-listed WGS 25000 (W)
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, WGS 10000, or perm. Instr.
3 hrs 3 cr.
MUSHL 26100 - Special Topics in History and Literature of Music (W)

GER 3/A PD/A or B or C
Study of works illustrating one specific genre, style, or period. Topics to be announced. May be taken 6 times. Depending on topic, may satisfy PD.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

Nursing

NURS 34000 - Women's Health

PD/C
Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.
3 hrs 3 cr.

NURS 35100 - Gender, Science and Technology

PD/C
Explores the complex relationship between women and the sciences.
cross-listed WGS 35100
3 hrs 3 cr.

Philosophy

PHILO 21600 - Women Philosophers of the Past

GER 3/A PD/C
Study of the writings and ideas of selected women philosophers who lived before the contemporary feminist movement.
cross-listed WGS 21600
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 23000 - Feminism: Philosophical Theory and Practice (W)

GER 3/A PD/C
Analyses of feminist theories and their practical implications.
cross-listed WGS 23000 (W)
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

Political Science

POLSC 20900 - Women and Gender in Western Political Thought (W)

GER 3/B PD/C or D
Examines history of political thought from the perspective of gender relations and the treatment of women.
cross-listed WGS 20900 (W)
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

**POLSC 21800 - Women and Politics (W)**

GER 3/B PD/C
Constitutional and legal position of women, ERA, affirmative action, marriage, divorce, property, feminist causes.
cross-listed WGS 21800 (W)
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

**POLSC 21900 - Women and the Law (W)**

GER 3/B PD/C
Overview of how local, state and federal laws treat people on the basis of sex.
cross-listed WGS 21900
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

**POLSC 22100 - U.S. Immigration Policy (W)**

GER 3/B PD/B & C
The course focuses on the political development of federal immigration policy, and on historical and contemporary
issues in policy design and implementation. The course also surveys recent findings and debates arising from empirical
analyses of immigration policy.
prereq: ENGL 12000 or its equivalent and POLSC 11000/11100 or HIST 15100/15200
3 hrs3 cr.

**POLSC 28000 - Women, War and Peace (W)**

GER 3/B PD/C
The course examines the roles that women have played as subjects and objects in war and peace.
cross-listed WGS 26200 (W)
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

**POLSC 30900 - Feminist Political Theory (W)**

GER 3/B PD/C
Readings in feminist ideas, both historical and contemporary, on issues of power, justice and equality. The course will
emphasize different perspectives, including those of liberal, radical, postmodernist, women of color, third world and
‘global’ feminists.
cross-listed WGS 30900 (W)
prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs3 cr.

Psychology
**PSYCH 17000 - Psychology of Human Sexuality**

GER 2/B PD/C  
Psychological foundations, sexual development and response patterns; male and female roles; individual and social attitudes, legal issues.  
*cross-listed WGS 17000*  
*prereq: PSYCH 10000*  
3 hrs3 cr.

**PSYCH 19000 - Development of Gender Roles**

GER 2/B PD/C  
Social, cognitive, hormonal and personality factors in development of gender roles; determinants of behavioral and cognitive gender differences.  
*cross-listed WGS 19000*  
*prereq: PSYCH 10000*  
3 hrs3 cr.

**PSYCH 23500 - The Psychology of Women (D/S)**

GER 3/B PD/C  
Psychological functioning of women; sexuality, pregnancy, social roles and status, aging, achievement, life styles, power.  
*Writing Intensive cross-listed WGS 23500 (W)*  
*prereq: PSYCH 10000 and any other 3 cr PSYCH course or coreq: ENGL 12000*  
3 hrs3 cr.

**PSYCH 30900 - Sex and Behavior (B; D/S)**

GER 3/B PD/C  
Research and attitudes about sex-related behavior in human and nonhuman animals emphasizing evolutionary and neuroendoinological processes and social-psychological processes; male-female differences and similarities, therapeutic strategy in sex-behavior pathology and sexual behavior and the law.

*PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

*prereq: ENGL 12000. PSYCH 24900 or 25000*  
3 hrs3 cr.

**Religion**

**REL 31100 - Women and Religion (W)**

GER 3/A PD/C  
An examination of the role of women and the concept of the feminine in world religions.  
*prereq: ENGL 12000*  
3 hrs3 cr.
REL 34000 - Homosexuality in World Religions (W)

GER 3/A PD/C
A survey and analysis of typical ways in which homosexuality has been understood, evaluated and in some cases institutionalized in a variety of religious traditions, attending especially to implicit constructions of gender.
prereq: ENGL 12000
3 hrs 3 cr.

Romance Languages

French

FREN 26200 - Perspectives on Women in French Literature

GER 3/A PD/C or D
The representation of women in literary texts from the Middle Ages to the present. Conducted in English. Readings in English translation.

3 hrs 3 cr.

Italian

ITAL 33700 - Italian Women Writers from the Middle Ages to the 18th Century, in English

GER 2C PD/C
Study of such writers of prose and poetry as St. Catherine of Siena, La Compiuta Donzella, Veronica Gambara, Gaspara Stampa, Vittoria Colonna, Diodada Saluzzo.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs 3 cr.

ITAL 33800 - 19th and 20th Century Italian Women Writers, in English

GER 3/A PD/C
Study of such representative writers as Sibilla Aleramo, Elsa Morante, Natalia Ginzburg, Dacia Maraini, Margherita Guidacci, Maria Luisa Spaziani.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs 3 cr.

ITAL 33900 - Italian American Women Writers and Artists: Issues of Identity (W)

GER 3/A PD/C
In English. An active exploration of feminine Italian American identity through literature, film and visual arts.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs3 cr.

Spanish

SPAN 26900 - Spanish American Women's Literature and Cinema (W)

GER 3/A PD/A or C
Conducted in English. An interdisciplinary approach to contemporary women's literature and cinema from Spanish America focusing on gender issues.
Taught in English. This course is designed for students who want to become acquainted with Spanish culture. Cannot be credited toward the major and are not recommended for the minor.
cross-listed WGS 26900
prereq: ENGL 12000
3 hrs3 cr.

Sociology

SOC 20100 - The Family

GER 3/B PD/C
Family functions and interaction. Factors affecting stability and instability.
cross-listed WGS 22300
prereq: SOC 10100
3 hrs3 cr.

SOC 25700 - Sex and Gender Roles

GER 3/B PD/C
Sex role differentiation: femininity, masculinity, marriage, child rearing.
cross-listed WGS 25700
prereq: SOC 10100
3 hrs3 cr.

SOC 36000 - Feminist Social Theory

GER 3/B PD/C
Introduces students to feminist theory developed by women from Western, Third World and other countries.
cross-listed WGS 36000
prereq: SOC 10100
3 hours3 credits

Thomas Hunter Honors Program

Women and Gender Studies

WGS 10000 - Introduction to Women Studies
Traditional definitions of women's nature in myth and symbol, media and popular culture, theories of gender in biology and psychology; women's role in family structures; women's relations to religion, education, health, work and politics. Examples are cross-cultural, contemporary and historical.

3 hrs 3 cr.

**WGS 15600 - Culture of Imperial Russia: The Age of Empresses**

GER 2/C PD/C
Major cultural movements of the Empire baroque, classicism, romanticism and their effect on the cultural fabric of Russia from Regent Sophia through the reign of Peter to Catherine the Great.

*cross-listed RUSS 15600*

*prereq: ENGL 12000*

3 hrs 3 cr.

**WGS 17000 - Psychology of Human Sexuality**

GER 2/B PD/C
Psychological foundations, sexual development and response patterns; male and female roles; individual and social attitudes, legal issues.

*cross-listed PSYCH 17000*

*prereq: PSYCH 10000*

3 hrs 3 cr.

**WGS 19000 - Development of Gender Roles**

GER 2/B PD/C
Social, cognitive, hormonal and personality factors in development of gender roles; determinants of behavioral and cognitive gender differences.

*cross-listed PSYCH 19000*

3 hrs 3 cr.

**WGS 200XX - Special Topics in Women and Gender Studies**

PD/A or B or C or D
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalism Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.

3 hrs 3 cr.

**WGS 20100 - Classics in Feminist Thought (W)**

GER 3/A or B PD/C
Study of feminist thought across a variety of historical periods and cultural contexts.

*prereq: WGS 10000, ENGL 12000 or equiv.*

3 hrs 3 cr.

**WGS 20900 - Women and Gender in Western Political Thought (W)**
GER 3/B PD/C or D
The history of political thought from the perspective of gender relations and the treatment of women.
cross-listed POLSC 20900
prereq: ENGL 12000 or equiv.
3 hrs 3 cr.

WGS 21600 - Women Philosophers of the Past
GER 3A PD/C
Study of the writings and ideas of selected women philosophers who lived before the contemporary feminist movement.
cross-listed PHILO 21600
prereq: ENGL 12000, one course in philosophy
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WGS 21900 - Women and the Law (W)
GER 3/B PD/C
Overview of how local, state and federal laws treat people on basis of sex.
cross-listed POLSC 21900
prereq: ENGL 12000
3 hrs 3 cr.

WGS 22252 - Topics in Genre Studies: The Woman's Film of the 1940s
GER 3A PD/C
Discussion of the women's film, an umbrella term for a series of genres (melodrama, gothic film, comedies) in which the woman is the main protagonist as well as the intended spectator.
Depending on topic, will satisfy a GER category.cross-listed FILM 22252
prereq: FILM 10100
4 hrs 3 cr.

WGS 22300 - Sociology of the Family
GER 3/B PD/C
Family functions and interaction. Factors affecting stability and instability.
cross-listed SOC 20100
prereq: SOC 10100
3 hrs 3 cr.

WGS 23000 - Feminism: Philosophical Theory and Practice (W)
GER 3/A PD/C
Analysis of feminist theories and their practical implications.
cross-listed PHILO 23000
prereq: ENGL 12000 and one course in philosophy
3 hrs 3 cr.

WGS 23500 - The Psychology of Women (W)
GER 3/B PD/C
Psychological functioning of women; sexuality, pregnancy, social roles and status, aging, achievement, life styles, power.
cross-listed PSYCH 23500
prereq: 6 cr. in PSYCH courses
3 hrs 3 cr.

WGS 25000 - Women and Music (W)

GER 3/A PD/C
An ethnomusicological study of women and music in cross-cultural perspective.
cross-listed MUSHL 25000
prereq: ENGL 12000 and one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, WGS 10000 or perm instr.
3 hrs 3 cr.

WGS 25100 - Women and Health

PD/C
An exploration of health issues affecting women, particularly as these issues relate to the socialization of women, reproductive and sexual health, and medical practices.
cross-listed HED 20100
3 hrs 3 cr.

WGS 25700 - Sex and Gender Roles

GER 3/B PD/C
Sex role differentiation: femininity, masculinity, marriage, child rearing.
cross-listed SOC 25700
prereq: SOC 10100 or perm instr.
3 hrs 3 cr.

WGS 25800 - Topics in Literature by Women (W)

GER 3/A PD/C
Selected works by women written in English will be studied with an emphasis on the diversity of women's lives and the effect of gender on experience.
May be repeated once for credit with a different topic. cross-listed ENGL 25800
prereq: ENGL 22000
3 hrs 3 cr.

WGS 26000 - Russian Women Writers in English Translation (W)

GER 3/A PD/C
cross-listed RUSS 26000
prereq: ENGL 22000
3 hrs 3 cr.

WGS 26100 - Women and Politics (W)
Constitutional and legal position of women, ERA, affirmative action, marriage, divorce, property, feminist causes.

**WGS 26200 - Women, War and Peace (W)**

Roles that women have played as subjects and objects in war and peace.

**WGS 38700 - Queer Theory**

Examination of recent contemporary queer theory and politics in the United States, with particular attention paid to its intersections with feminism, critical race theory, class analysis and religion. Course time will also be dedicated to learning to write effectively about political theory.

**WGS 26900 - Spanish American Women's Literature and Cinema (W)**

Conducted in English. An interdisciplinary approach to contemporary women's literature and cinema from Spanish America focusing on gender issues.

**WGS 300XX - Special Topics in Women and Gender Studies**

Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalizing Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.

**WGS 30100 - Gender in Anthropological Perspective**

Men and women in different societies, division of labor, socialization, stratification, political activism and gender construction.
WGS 30500 - Women and Slaves in Classical Antiquity (W)

GER 3/A PD/C or D
Women and slaves in Greek and Roman society and origins of Western attitudes about sex and class.
cross-listed CLA 30500
prereq: ENGL 12000
3 hrs3 cr.

WGS 30900 - Feminist Political Theory

GER 3/B PD/C
Readings in feminist ideas, both historical and contemporary, on issues of power, justice and equality. The course will emphasize different perspectives, including those of liberal, radical, postmodernist, women of color, third world and global feminists.
cross-listed POLSC 30900
prereq: ENGL 12000
3 hrs3 cr.

WGS 31800 - Women in Africa (W)

GER 3/B PD/A or C
Examination of African womanhood in traditional setting during colonialism and neo-colonialism, independence and revolution.
cross-listed AFPRL 31800(W)
prereq: AFPRL 20200 or AFPRL 22200 or perm instr.
3 hrs3 cr.

WGS 31900 - Advanced Topics in Literature by Women (W)

GER 3/A PD/C
Selected works by women in relation to a special theme, technique, genre, theoretical issue or cultural consideration. May be repeated once for credit with a different topic.
cross-listed ENGL 31900
prereq: ENGL 22000
3 hrs3 cr.

WGS 32900 - Women in the African Diaspora (W)

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance, and in sustaining African culture and values.
cross-listed AFPRL 31900 (W)
prereq: AFPRL 20400, 20900 or 21000 or perm instr.
3 hrs3 cr.

WGS 33600 - African-American Women Writers (W)

GER 3/A PD/B or C
African-American female authors from slavery to present: novels, short stories, essays, plays, poetry, teenage fiction, and children's books.
cross-listed AFPRL 33600
prereq: AFPRL 23600 or perm instr.
3 hrs 3 cr.

WGS 34500 - Women and Men in the Labor Market

GER 3/B PD/C
Demand for labor, determination of wages and allocation of time between paid and unpaid activities, 'human capital' investments, labor market policy issues.
cross-listed ECO 34500
prereq: ECO 20000
3 hrs 3 cr.

WGS 35100 - Gender, Science, and Technology

PD/C
Explores the complex relationship among gender, science, and technology.
cross-listed (Cross-listed with NURS 35100.)
prereq: ENGL 12000, at least one science course at the 100 level
3 hrs 3 cr.

WGS 36000 - Feminist Social Theory

GER 3/B PD/C
An introduction to feminist theory developed by women from Western, Third World and other countries.
cross-listed SOC 36000
prereq: SOC 10100 or perm instr.
3 hrs 3 cr.

WGS 36100 - Russian Women Writers

GER 3/A PD/C
cross-listed RUSS 36000
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

WGS 38400 - Women and Media (W)

GER 3/B PD/C
Examination, from historical and formal perspective, of ways in which women have been represented by mass media in America since mid-19th century. Exploration of how feminists for 100 years have challenged these images and posed alternative modes of cultural representation and production.
cross-listed MEDIA 38400
prereq: MEDIA 18000
3 hrs 3 cr.

WGS 400XX - Special Topics in Women and Gender Studies
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalizing Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.

3 hrs

Pluralism and Diversity Requirement – Group D: 3 credits

A course focusing on scholarship about major practical or theoretical issues (e.g., artistic, economic, geographic, literary, political, scientific or social) that emerge from, are reflected in or are principally derived from the historical conditions, perspectives and/or intellectual traditions of Europe, including the ways in which pluralism and diversity have been addressed.

Anthropology

**ANTHC 22700 - Archaeology of Europe**

GER 3/B PD/D

Prehistory; early hunting and gathering adaptations, beginnings of sedentary village life, development of complex societies.

*prereq: ANTHC 12600 or perm instr.*

3 hrs

**ANTHC 31800 - History of Anthropological Theory**

GER 3/B PD/D

Changing approaches to the study of society and culture. Political and historical context of the development of theory, the link between theory and method and the impact of theory on policy.

*prereq: ANTHC 10100 or perm instr.*

3 hrs

**ANTHC 42600 - Seminar in Archaeological Field Methods**

Introduction to field methods and techniques in survey and excavation; involves weekend fieldwork on nearby sites. Depending on topic, may meet PD/B or D.

*prereq: ANTHC 12600 or perm instr.*

3 hrs

Art

**ARTH 11100 - Introduction to History of Art**

GER 2/D PD/D

Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.

3 hrs
ARTh 21500 - Greek Art (W)

GER 3/A PD/D
Sculpture and painting from the geometric period to the Hellenistic (ca. 750-100 BC). Emphasis on architectural sculpture, monumental free-standing sculpture and vase painting, in their stylistic and narrative contexts.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTh 21600 - Roman Art (W)

GER 3/A PD/D
Roman sculpture and painting from Republican period to Age of Constantine (ca. 100 BC-315 AD). Emphasis on historical reliefs, portraits and wall painting.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTh 22100 - Later Medieval Art (W)

GER 3/A PD/D
Ottonian, Romanesque and Gothic art; architecture, sculpture, painting and minor arts.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTh 22500 - Art of Early Renaissance (W)

GER 3/A PD/D
Painting, sculpture and related architecture in 14th- and 15th-century Italy. Major artists from Giotto to Botticelli.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTh 22700 - Northern European Painting (W)

GER 3/A PD/D
Late 14th-16th centuries with emphasis on early Netherlandish painting and later masters, such as Der, Bosch, Bruegel.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTh 23000 - Art of High Renaissance and Later 16th Century in Italy (W)

GER 3/A PD/D
Sculpture and painting of 16th-century Italy. Emphasis on Leonardo, Raphael, Michelangelo and Titian.
3 hrs3 cr.
offered spring

**ARTH 23500 - Southern Baroque Art (W)**

GER 3/A PD/D
Sculpture, painting of 17th-century Italy, France, Spain: Carracci, Caravaggio, Reni, Bernini; Ribera, Velasquez, Zurbaran, Murillo; Poussin, Claude Lorrain.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
3 hrs3 cr.

**ARTH 24000 - Baroque Art of Northern Europe (W)**

GER 3/A PD/D
Sculpture and painting in 17th-century Flanders, Holland and England. Rubens, Van Dyck, Rembrandt; landscape.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
3 hrs3 cr.

**ARTH 24300 - Eighteenth-Century Art (W)**

GER 3/A PD/D
European painting and sculpture; Watteau, Fragonard and Houdon in France, Hogarth and Reynolds in England, Tiepolo in Italy.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
3 hrs3 cr.

**ARTH 24400 - Neo-Classicism and Romanticism: the Age of Revolution, 1789-1848 (W)**

GER 3/A PD/D
Neo-classicism and romanticism in France, Germany, England, Spain. David, Ingres, Delacroix; Friedrich, Runge, the Nazarenes; Blake, Reynolds, Constable; Goya.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
3 hrs3 cr.


GER 3/A PD/D
Impressionists and post-Impressionists within a European context: Courbet, Manet, Monet, Canne, Van Gogh, Gauguin, Munch.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-**
credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

**ARTH 24600 - American Art (W)**

GER 3/A PD/D
Nineteenth-century American painting, architecture, sculpture, graphics, photography in social, historical and environmental background of period.
*prereq: ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements. 3 hrs 3 cr.*

offered fall

**ARTH 24900 - Twentieth-Century Art I (W)**

GER 3/A PD/D
Western art to World War II.
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements. 3 hrs 3 cr.*

**ARTH 25000 - Twentieth-Century Art II (W)**

GER 3/A PD/D
Western art from World War II to approximately 1980.
*prereq: ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements. 3 hrs 3 cr.*

**ARTH 25300 - Medieval Architecture (W)**

GER 3/A PD/D
Major styles and buildings in West from ancient world through Middle Ages; technical, cultural and aesthetic significance.
*prereq: ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements. 3 hrs 3 cr.*

**ARTH 25400 - Architecture: Renaissance to Neo-Classical (W)**

GER 3/A PD/D
Architecture in West from Renaissance through the 19th century; baroque, rococo and neoclassical styles.
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements. 3 hrs 3 cr.*
**ARTH 25500 - Twentieth-Century Architecture (W)**

GER 3/A PD/D  
Architecture since 1850; leading architects' works; history of structural theory as it relates to architectural form and new building types.  
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*  
3 hrs 3 cr.

**ARTH 37000 - Advanced Studies in Ancient Art**

GER 3/A PD/D  
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*  
3 hrs 3 cr.

**ARTH 39900 - Special Topics in History of Art**

GER 3/A PD/D  
Combination undergrad/graduate course. May be used to fulfill honors requirements. Specific topic varies each term. Recent examples of Special Topics courses: Islamic Object; Post-Impressionism; Vermeer Seminar; Architecture of the Italian Renaissance; Rodin to Brancusi; Women Photographers; The Avant Garde; History and Theory of Abstraction; English Tradition in Painting; Hogarth; Futurism: Art, Literature, Politics, Theory; Giulio Romano; Van Eyck, Bosch and Breugel; 19th-Century American Drawings; Mexican Art. perm art history adviser  
*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*  
3 hrs 3 cr.

**Biological Sciences**

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D  
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.  
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.  
prereq: MATH 10100 or equivalent  
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.  
fall only

**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D  
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.  
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.  
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
BIOL 16000 - Honors Principles of Biology II

GER 2/E PD/C or D
Physiological systems and their regulation: internal transport, hormones and gas exchange in plants and animals; osmoregulation; motility; nervous, neuroendocrine, immunological and sensory systems; behavior, reproduction and ecology. Students will read reviews of current research in addition to the required text. Guest speakers and class presentations.
Enrollment limited. Core credit awarded only if BIOL 10000 and 16000 are both completed. PD credit awarded only upon completion of BIOL 10000 and 16000.
prereq: grade of B or better in BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

Classical and Oriental Studies

Classics Division

CLA 10100 - Classical Mythology

GER 2/C PD/D
Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and theories.
3 hrs3 cr.

CLA 20100 - Greek Civilization (W)

GER 2/C PD/D
Ancient Greek culture: art and literature, religion, philosophy, economics, politics, education, and athletics.
prereq: ENGL 12000
3 hrs3 cr.

CLA 20200 - Hellenistic Civilization (W)

GER 3/A PD/D
The Mediterranean world after Alexander the Great: synthesis of Greek and oriental cultures.
prereq: ENGL 12000, CLA 20100 or 20400
3 hrs3 cr.

CLA 20300 - Roman Civilization (W)

GER 2/C PD/D
Ancient Roman culture: art and literature, law, architecture, engineering, economics, popular culture, leisure activities.
prereq: ENGL 12000
3 hrs3 cr.

CLA 22000 - Aegean Archaeology (W)
GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22100 - Greek Archaeology (W)

GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.
prereq: ENGL 12000; CLA 20400
3 hrs 3 cr.

CLA 22200 - Roman Archaeology (W)

GER 3/A PD/D
Etruscans, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery.
prereq: ENGL 12000; CLA 20400
3 hrs 3 cr.

CLA 25000 - Greek and Roman Tragedy (W)

GER 2/C PD/D
A study of plays of Aeschylus, Sophocles, Euripides, and Seneca in their literary, religious, and social contexts.
prereq: ENGL 12000 recom: CLA 10100
3 hrs 3 cr.

CLA 25100 - Ancient Comedy (W)

GER 2/C PD/D
Aristophanes, Menander, Plautus, and Terence, with a consideration of their influence on Western comic tradition.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 25300 - Homer and Vergil (W)

GER 2/C PD/D
Ancient narrative song and poetry, with emphasis on the Iliad and Odyssey of Homer and the Aeneid of Vergil.
prereq: ENGL 12000 recom: CLA 10100
3 hrs 3 cr.

CLA 25400 - The Ancient Novel in Translation (W)

GER 3/A PD/D
Greek and Roman prose fiction-Petronius' Satyricon, Apuleius' Golden Ass, Achilles Tatius' Leucippe, Longus' Daphnis and Chloe, and Heliodorus' Ethiopian Tale.
prereq: ENGL 22000 or perm instr.
3 hrs 3 cr.

CLA 30200 - Comparative Backgrounds of Classical Mythology (W)
GER 3/A PD/D
Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hittite, Ugaritic, and Celtic myths.
prereq: ENGL 12000; CLA 10100
3 hrs3 cr.

CLA 30400 - Pagans and Christians (W)

GER 3/A PD/D
Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 30500 - Women and Slaves in Classical Antiquity (W)

GER 3/A PD/D or D
Women and slaves in Greek and Roman society and their influence on Western attitudes about sex and class.
cross-listed WGS 30500 (W)
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 30700 - Special Studies in Ancient Roman Culture

PD/D
Examination of specific areas of Roman life. Topics vary from year to year.
prereq: ENGL 12000
3 hrs3 cr.

CLA 31000 - Ancient Sports and Spectacles (W)

GER 3/A PD/D
An exploration of ancient Greek and Roman sports and spectacles, focusing on evidence supplied by literary texts, archaeology, and the visual arts.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

Hebrew Division

HEBR 21100 - Masterpieces of Medieval Hebraic Literature in Translation (W)

GER 2/C PD/D
Selections from major works reflecting Jewish life and thought in medieval Islamic world and Christendom.
3 hrs3 cr.

HEBR 21400 - Maimonides' Guide to the Perplexed

GER 3/A PD/D
Study of this work in English with reference to Maimonides' influence on development of medieval Aristotelianism.
3 hrs3 cr.
HEBR 21800 - Masterpieces of Yiddish Literature in Translation (W)

GER 3/A PD/D
Study of major works in Yiddish literature from Mendele Mocher Seforim to present.
prereq: ENGL 22000
3 hrs 3 cr

HEBR 31000 - Modern Hebrew Literature I

GER 3/A PD/D
Reading and discussion of selected works in prose and poetry of 19th-century authors.
prereq: HEBR 20200 or equiv. or exemption
3 hrs 3 cr

HEBR 32200 - Medieval Literature

GER 3/A PD/D
Selections from literature of Golden Age in Spain.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32300 - Poetry of the Modern Hebrew Renaissance Period

GER 3/A PD/D
Study of major works of Bialik, Tschernichovsky, Kahan and Shneour.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32400 - The Modern Hebrew Essay

GER 3/A PD/D
Study of selected essays of Ahad ha'Am, Berditchevsky and Frischman.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 45100 - Selected Studies in Hebrew Literature

PD/D
Course will concentrate on an author, theme, genre or period in Hebrew literature. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement.

prereq: HEBR 20200 or equiv, perm division
3 hrs 3 cr
Russian Division

RUSS 15500 - The Culture of Old Russia

GER 2/C PD/D
Religion, art, architecture and daily life in medieval Russia.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 15700 - The Age of the Great Masters

GER 2/C PD/D
Russian culture as shaped by the great masters of Russian literature, art and music in the late 19th and early 20th centuries.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25000 - 19th Century Russian Literature in English Translation (W)

GER 2/C PD/D
Pushkin's Eugene Onegin, Lermontov's Hero of Our Time, Gogol's Dead Souls, Turgenev's Fathers and Sons and others.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25100 - Tolstoy and Dostoevsky in English Translation (W)

GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Dostoevsky's The Brothers Karamazov and others.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25200 - Modern Russian Literature in English Translation (W)

GER 2/C PD/D
Gorky, Mayakovsky, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25300 - Russian Theater in English Translation (W)

GER 2/C PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Chekhov, Pushkin, Gogol and others.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25400 - The Silver Age of Russian Literature in English Translation (W)
GER 2/C PD/D
Major writers and movements of the years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25500 - Russian Folklore, in Translation (W)

GER 2/C PD/D
Common Slavic myths and traditions.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25600 - Special Topics in Slavic Literatures and Cultures in English Translation

PD/D
Examples: the Russian cinema, Nabokov.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 29400 - Folklore and Literature (W)

GER 3/A PD/D
Students will be introduced to basic concepts of literature and folklore to increase, through a comparative study, their understanding and appreciation of both art forms. Works in English of major Russian writers such as Pushkin, Gogol and Pilnyak will be read in juxtaposition with folklore genres in search of how literary texts mirror folklore subjects. European, African and South American literature and folklore will be introduced or comparative purposes.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 32100 - Russian Short Story and Novella

GER 3/A PD/D
Analysis of various texts and readings from Gogol, Chekhov, Babel, Solzhenitsyn.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 32200 - Classical Russian Poetry

GER 3/A PD/D
Major poets from the late 18th to mid-19th century, including Lomonosov, Derzhavin, Pushkin, Lermontov and Nekrasov.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 32300 - Modern Russian Poetry

GER 3/A PD/D
Major poets of the late 19th and 20th centuries, including Fet, Tyutchev, Blok, Mayakovsky, Esenin, Pasternak,
Yevtushenko.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

**RUSS 34100 - Tolstoy and Dostoevsky**

GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Anna Karenina, Dostoevsky's The Brothers Karamazov and others.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

**RUSS 34200 - Modern Russian Literature**

GER 3/A PD/D
Gorky, Mayakovksy, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

**RUSS 34300 - Russian Theater**

GER 3/A PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Pushkin, Gogol, Chekhov and others.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

**RUSS 34400 - The Silver Age of Russian Literature**

GER 3/A PD/D
Major writers and movements of years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

**Polish**

**POL 25000 - Topics in Polish Literature**

PD/D
Example: the 19th century Polish novel.
3 hrs 3 cr.

**Dance**

**DAN 23200 - 20th-Century Dance History**

GER 2/D PD/D
Readings, lectures, films, discussions of 20th century ballet, modern, social and popular theatre dance forms; analysis of individual styles and cultural trends.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

Economics

**ECO 35000 - Comparative Economic Systems**

GER 3/B PD/ C or D
Comparative analysis of market and planned economies in theory and practice. Process and problems of transitions between planned and market economies.
*prereq: ECO 20000, 20100
3 hrs 3 cr.*

English

**ENGL 25000 - Topics in Literature**

GER 2/C, PD/A or B or C or D
Specific critical and thematic approaches to selected works of literature written in English. Course may be taken twice if the topic differs, but not more than twice. Some topics in ENGL 250 satisfy PD requirements in categories A, B, C, or D. Check in the schedule of classes and with an undergraduate adviser.
*prereq: ENGL 22000
3 hrs 3 cr.*

**ENGL 25400 - Survey of English Literature II**

GER 3/A P/D D
Chronologically arranged readings in British literature from the 18th to the 20th century.
*prereq: ENGL 22000
3 hrs 3 cr.*

**ENGL 30300 - Western Literary Backgrounds of British and American Literature**

PD/D
Major works of Western literature in translation, including the Bible and Greek and Roman epic, drama, poetry and prose.
*prereq: ENGL 22000
3 hrs 3 cr.*

**ENGL 33500 - Chaucer**

GER 3/A PD/D
Study of Chaucer, with emphasis on The Canterbury Tales.
*prereq: ENGL 22000
3 hrs 3 cr.*

**ENGL 35100 - The Age of Elizabeth I**
Major emphasis on the work of Spenser; readings in other Elizabethan poetry and prose.

**ENGL 35200 - Shakespeare Survey**

GER 3/A PD/D
A survey of Shakespeare's plays. For students who do not intend to elect ENGL 35300 or ENGL 35400.

**prereq:** ENGL 22000

3 hrs3 cr.

**ENGL 35300 - Shakespeare I**

GER 3/A PD/D
Study of works from first half of Shakespeare's career.

**prereq:** ENGL 22000

3 hrs3 cr.

**ENGL 35400 - Shakespeare II**

GER 3/A PD/D
Study of works from second half of Shakespeare's career.

**prereq:** ENGL 22000

3 hrs3 cr.

**ENGL 36000 - The 17th Century**

GER 3/A PD/D
Emphasis on work of John Donne; survey of other poetry and prose (exclusive of Milton).

**prereq:** ENGL 22000

3 hrs3 cr.

**ENGL 36100 - Milton**

GER 3/A PD/D
Poetry and selected prose of Milton, with special emphasis on Paradise Lost.

**prereq:** ENGL 22000

3 hrs3 cr.

**ENGL 36200 - English Drama of Restoration and 18th Century**

GER 3/A PD/D
The theatre of such playwrights as Etherege, Wycherly, Dryden, Otway, Congreve, Gay, Goldsmith and Sheridan.

**prereq:** ENGL 22000

3 hrs3 cr.

**ENGL 36400 - The Age of Satire**
ENGL 36500 - The Later 18th Century
GER 3/A PD/D
Poetry and nonfiction prose, chiefly of Dryden, Pope and Swift.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36800 - The 18th Century English Novel
GER 3/A PD/D
Poetry and nonfiction prose, with emphasis on Johnson, Boswell and Blake.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36900 - The 19th Century English Novel
GER 3/A PD/D
Major emphasis on such authors as Defoe, Fielding, Richardson, Sterne, Burney, and Austen.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 37200 - Romantic Poetry
GER 3/A PD/D
Intensive study of two or three major poets. Wordsworth, Coleridge, Byron, Shelley, Keats.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 37300 - Victorian Literature (W)
GER 3/A PD/D
Study of such authors as Tennyson, Browning, Arnold, the Rossettis, Swinburne, Carlyle, Ruskin and Newman.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 37400 - 20th Century British Poetry
GER 3/A PD/D
Study of such poets as Yeats, Lawrence, Auden, Thomas, Hughes and Larkin.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 37600 - 20th Century British Fiction
GER 3/A PD/D
Study of such authors as Conrad, Joyce, Lawrence, Forster, Woolf, Waugh, Beckett and Lessing.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 37800 - 20th Century British and Irish Drama
GER 3/A PD/D
Study of such authors as Wilde, Shaw, Yeats, O'Casey, Eliot, Beckett, Osborne and Pinter.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 38000 - Irish Literary Renaissance
GER 3/A PD/D
Study of leading Irish writers of early 20th century: Joyce, O'Casey, Synge and Yeats.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 38600 - Topics in British and American Literature
GER 3/A, PD/C or PD/D (some topics)
Topics vary from semester to semester. Check the schedule of classes and with the undergraduate adviser to see which topics meet PD requirements.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 38900 - One Major Writer (W)
GER 3/A PD/C or D
Authors vary from semester to semester. May be taken more than once with permission of dept. Some authors may satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 39000 - Topics in 20th Century Literature (W)
GER 3/A
Selected works from the 20th century originally written in English will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 49400 - Honors Seminar: Special Studies
GER 3/A PD/C
Topics in British and American literature and linguistics. May be taken a second time in another subject. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
1 sem 3 cr.
Film and Media Studies

**FILM 10100 - Introduction to Cinema**

GER 2/D PD/D  
Fundamental concepts of film and discussion of major critical systems. Screening of relevant films.  
3 hrs 3 cr.

**FILM 21100 - Film History I: 1895-1942**

GER 3A PD/D  
Survey of film history and theory from the silent era to 1942.  
*prereq: FILM 10100*  
4 hrs 3 cr.

**FILM 21200 - Film History II: Since 1942**

GER 3/A PD/D  
Survey of film history and theory from 1942 to the present.  
*prereq: FILM 10100*  
4 hrs 3 cr.

**FILM 21305 - National Cinema: Italian Cinema**

GER 3/A PD/D  
*prereq: FILM 10100*  
4 hrs 3 cr.

**FILM 21351 - National Cinema: French New Wave**

GER 3/A PD/D  
*prereq: FILM 10100*  
4 hrs 3 cr.

**FILM 23200 - Experimental Film and Video**

GER 3/A PD/D  
Historical examination of pertinent films and videos with particular emphasis on current American productions.  
*prereq: FILM 10100, 20100, FILMP/MEDIAP 15000*  
4 hrs 3 cr.

**FILM 32200 - Contemporary Film Theory**

GER 3/A PD/D  
Survey of current film theory and criticism, including developments in film semiotics, psychoanalytic film theory, feminist film theory, narrative theory, historiography and reception theory.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 30000- and 40000-level courses in FILM.*
prereq: FILM 10100, 21100 or 21200
4 hrs3 cr.

Geography

**GEOG 15000 - World Regional Geography**

GER 2/B PD/A or D
A survey of the world’s major regions. Geographic concepts and principles are used to study the physical, economic, social and political conditions and problems in the culturally diverse world. Spatial expression of culture; specialized behavior patterns; adaptations and way of life in distinct environments. Regional interdependence; implications for development.
prereq: ENGL 12000
3 hrs3 cr.
Offered fall and spring

**GEOG 27800 - Regional Geography of Russia and Central Asia**

GER 3/B PD/A or D
Analysis of the relationship of the natural environment to economic, social and political life of Russia, the former Soviet republics of Central Asia and Mongolia.
3 hrs3 cr.

German

**GERMN 24000 - German Thought and Culture: A Survey (W)**

GER 2/C PD/D
Discussion of the German contribution in the fields of art, literature, music, philosophy in historical perspective.
(Conducted in English) Note: No knowledge of German required.
prereq or coreq: ENGL 12000
3 hrs3 cr.

**GERMN 24100 - German Fairy Tales in Translation (W)**

GER 2/C PD/D
Reading and discussion of traditional and literary fairy tales of Germany. cross-cultural comparison of various fairy-story traditions; development of motifs through various ages and cultures.
(Conducted in English) Note: No knowledge of German required.
prereq or coreq: ENGL 12000
3 hrs3 cr.
*No “W” designation when offered in Winter Session

**GERMN 32000 - Studies in German Literature and Language**

GER 3/A PD/D
Discussion of literary topics or linguistic phenomena. May be repeated with a different topic.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
GERMN 32100 - Individual and Society in Modern German Literature

GER 3/A PD/D
The central conflict between individual liberty and societal constraints as reflected in short stories, novellas and plays by 20th century authors such as Kafka, Brecht, Böll and Frisch.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 32200 - German Civilization

GER 3/A PD/D
Introduction to key topics in German history, politics, arts, literature and sciences.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or equiv.
3 hrs3 cr.

GERMN 32700 - Modern Swiss Literature

GER 3/A PD/D
Reading and discussion of literature written in German by Swiss authors since the 19th century.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 32800 - German Children's and Adolescent Literature

GER 3/A PD/D
Reading and discussion of literature for young readers and adolescents.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 33400 - The German Short Story and Novelle

GER 3/A PD/D
Discussion of short narrative works from age of Goethe to present.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 33500 - German Radio Plays: Hoerspiel
GER 3/A PD/D
Listening to and discussion of literary radio plays from the 1950s to today.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

GERMN 33600 - German Lyric Poetry

GER 3/A PD/D
Discussion of important lyrics from Baroque period to present.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

GERMN 33900 - German Drama from Naturalism to Present

GER 3/A PD/D
Discussion of dramas by such writers as Hauptmann, Wedekind, Brecht, Drrenmatt, Frisch and Handke.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

GERMN 34100 - German Drama from Age of Goethe to Naturalism

GER 3/A PD/D
Discussion of dramas by such writers as Goethe, Schiller, Kleist, Bchner, Grillparzer and Hebbel.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34200 - The German Novel

GER 3/A PD/D
Discussion of narrative works by such writers as Goethe, Keller, Fontane, T. Mann, Kafka, Doblin and Boll.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34300 - German Literature from Its Origins to the Age of Goethe

PD/D

GERMN 34400 - Readings in Classical Period of German Literature
GER 3/A PD/D
Discussion of selected works by Lessing, Goethe and Schiller.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 34500 - Literature of Weimar Republic

GER 3/A PD/D
Discussion of literary works and documents influential in German life between 1918 and 1933.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 34600 - German Literature of the 1930s and 1940s

GER 3/A PD/D
Reading and discussion of literature written between the time of the Weimar Republic and 1945.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 34800 - East German Literature (1945-1990)

GER 3/A PD/D
Reading and discussion in German of literature written in East Germany during the existence of the German Democratic Republic as a sovereign state.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: one course numbered GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 35000 - Austrian Literature

GER 3/A PD/D
Discussion of literature and culture of the fin-de-siècle Vienna.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: one course numbered GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 35300 - Goethe's Faust

GER 3/A PD/D
Intensive study of Goethe's Faust, Parts I and II.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 37200 - Germany in the Twenties (W)

GER 3/A PD/D
Literature, art and politics in Germany between World War I and Third Reich, 1918-1933.
(Conducted in English) Note: No knowledge of German required.
3 hrs3 cr.

GERMN 37400 - Masterpieces of German Literature in English Translation (W)

GER 3/A PD/D
Discussion of some outstanding works of German literature.
(Conducted in English) Note: No knowledge of German required.
3 hrs3 cr.

History

HIST 12100 - Early Modern Europe 1500 to 1815

GER 2/B PD/D
Transition from feudal society to national states; religious upheavals, expansion up to the French revolutionary era
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 12200 - 19th and 20th Century Europe (W)

GER 2/B PD/D
Scientific and industrial revolutions, liberalism, imperialism, socialism and fascism, total war, reconstruction.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 21100 - Medieval Civilization (W)

PD/D
Social, institutional and cultural history of Western Europe from the late Roman period to the Black Death in the mid-14th century.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 120
3 hrs3 cr.

HIST 24200 - The Holocaust: An Introduction

PD/D
The attempt to exterminate the Jewish people by the Nazis.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.
**HIST 30200 - Greek History**

GER 3/B PD/D
From the Bronze Age ca. 3000 BCE to the Roman conquest. Emphasis on cultural and political contributions of ancient Greece.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 30300 - Roman History**

GER 3/B PD/D
From Iron Age to Justinian; rise and fall of Rome's power and her political and cultural achievements.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 30500 - The Age of the Crusades**

GER 3/B PD/D
The expansion of western Europe from 800 to 1492 in eastern Europe, the Mediterranean, Asia and Africa, giving particular attention to the Reconquista in Spain and the crusades in the Middle East.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 31000 - Jewish History in the Medieval and Early Modern Periods**

GER 3/B PD/D
The Jewish people from late antiquity to 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 31100 - Europe in the Early Middle Ages**

GER 3/B PD/D
The development of European civilization from the fall of the Western Roman Empire to the First crusade.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 31400 - Ancient and Medieval Christianity (W)**

GER 3/B PD/D
The development of Christianity from Jesus to Luther; theology and mysticism, lay and monastic spirituality; the papacy and dissidents; gender and sexuality; relations with Judaism and Islam.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

**HIST 31700 - History of the American City**
GER 3/B PD/D
History of the American city from the Colonial era to the present; development of the city as physical environment, social experience, political entity and cultural symbol.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 31800 - History of the American Working Class (W)
GER 3/B PD/D
History of the American working class from Colonial times to the present; changing work experience, community life, organizational efforts and political activity of working people.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 32000 - Jewish History in the Modern World (W)
GER 3/B PD/D
From the 18th century to the present: Enlightenment, Jewish emancipation and nationalism, a Jewish state; anti-Semitism and the Holocaust; recent trends.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 32400 - Europe in the Age of Renaissance and Reformation (W)
GER 3/B PD/D
European life and society in early modern era. Religious, political, economic and social change.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 32900 - History of European Diplomacy
GER 3/B PD/D
From the Congress of Vienna and national unification movements through the era of total wars and cold war.
Courses at the 300-level and above not offered to freshmen.
3 hrs.

HIST 33000 - Social and Economic History of Modern Europe
GER 3/B PD/D
Social and economic developments in Europe during the past 200 years.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 33800 - History of Italy (W)
GER 3/B PD/D
Classical to Renaissance background. Catholic Reformation, foreign domination, Risorgimento to Fascism, post-World War II era.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

**HIST 34251 - Britain Since 1689**

GER 3/B PD/D
British history since the Glorious Revolution.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 35700 - American-Jewish History (W)**

GER 3/B PD/D
Development of the American Jewish community; economic, political and social integration; cultural adaptation.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

**HIST 35800 - 20th Century United States (W)**

GER 3/B PD/D
Leading personalities and domestic problems of the U.S. Since 1900.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

**HIST 35900 - Immigration and Ethnicity in the United States**

GER 3/B PD/D
Experience of immigrant groups since Colonial times; motives for coming; economic and social adjustment; encounter with prejudice; ethnic institutions.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 36100 - Rise of America as a World Power**

GER 3/B PD/D
Impact of world leadership on basic principles of American foreign policy since 1898.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 36300 - History of American Culture**

GER 3/B PD/D
American ideas and values from the Colonial period to the present.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 36400 - American Constitutional History, 1783 to 1900**
GER 3/B PD/D
Development of constitutional thought from the framing of the Articles of Confederation to 1900.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 36600 - Role of Women in American History
GER 3/B PD/D
Women in all aspects of the country's past; drive to suffrage and its aftermath.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 36700 - Civil War and Reconstruction
GER 3/B PD/D
Slavery, sectional conflict, political crisis of Union. New interpretations of postwar race relations.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 37400 - Russia to the 20th Century
GER 3/B PD/D
Political, socioeconomic and cultural development of Russia from its Kievan origins to the crisis of monarchy.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 37500 - Late Imperial Russia and the Soviet Union
GER 3/B PD/D
Political, socioeconomic and cultural development of late 19th and 20th century Russian and Soviet society.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

Human Rights

HR 20000 - Introduction to Human Rights: History, Discourse, Practice (W)
GER 3/B PD/D
An introduction to the study of human rights. It explores the historical, philosophical, and legal roots of human rights as a political idea and institutionalized practice. It also addressed the contested nature of human rights as an idea and practice in contemporary societies. In addition to providing an introduction to the subject, the course is a requirement for students minoring in Human Rights or pursuing a Human Rights Certificate.

In order to pursue a Human Rights minor or Certificate, a student must receive at least a B (3.0) in this course. Students should take this introductory course in their sophomore year but must take it no later than the first semester of their junior year.

This is a writing intensive course.
prereq: ENGL 12000 or equivalent; one course in ethics, political philosophy, political theory, sociological theory, or permission from the instructors.
Music

MUSHL 10100 - Introduction to Music

GER 2/D PD/D
For non-majors. Selected compositions primarily from the European tradition studied with aim to develop perceptive listening.
3 hrs 3 cr.

MUSHL 20500 - Music History I

PD/D
For music majors. Survey of the history of music in the European tradition to 1600.
prereq: elementary knowledge of music history and literature, demonstrated by dept. exam coreq: MUSHL 20100 or coreq: MUSTH 22000, 23000, ENGL 12000, perm dept.
3 hrs 3 cr.
offered fall

MUSHL 20600 - Music History II (W)

PD/D
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600 to 1800.
prereq: MUSHL 20100, 20500, ENGL 12000 or coreq: MUSTH 22100, 23100
3 hrs 3 cr.
offered spring

MUSHL 21000 - Music for the Piano (W)

GER 3/A PD/D
Piano literature from the 18th century to the present.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20000, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 21200 - Masterpieces of Opera (W)

GER 3/A PD/D
Study of operatic styles of such composers as Mozart, Verdi, and Wagner.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

MUSHL 30500 - Music History III (W)

PD/D
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.
prereq: MUSHL 20600, MUSTH 22100, 23100
MUSHL 30600 - Music History IV (W)

PD/D
Central issues in the history of European music, such as the role of patronage in musical culture, relationships of musical style to instruments and performing ensembles, and the impact of historical consciousness on contemporary musical life.
prereq: MUSHL 30500
3 hrs 3 cr.
offered fall

Philosophy

PHILO 10600 - Philosophy, Politics and Society

GER 2/C PD/D
Introduction to social and political philosophy.
3 hrs 3 cr.
offered each semester

PHILO 20100 - Knowledge and Reality (W)

GER 3/A PD/D
Study of main problems of theory of knowledge and metaphysics such as personal identity, grounds of justified belief, existence of God, nature of free will and causality.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 20300 - Great Philosophers: Ancient and Medieval

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the dawn of philosophy in ancient Greece to the time of the Renaissance.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 20400 - Great Philosophers: Modern and Contemporary

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the rise of modern philosophy in the 17th century to the present.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21400 - Medieval Philosophy (W)

GER 3/A PD/D
Study of major writings by medieval Arabic, Christian and Jewish philosophers such as Averroes, Aquinas and Maimonides.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21800 - Revolutions in Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22000 - Radical Philosophy (W)

GER 3/A PD/D
Study of 20th-century philosophers who were critical of industrial capitalist society, such as Lukc's and Marcuse, along with their historical precursors, including Rousseau and Marx.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22500 - American Philosophy (W)

GER 3/A PD/D
Historical survey of major American philosophers such as Edwards, Emerson, Thoreau, Peirce, James, Royce, Santayana and Dewey.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22800 - Existentialism (W)

GER 3/A PD/D
Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.
Political Science

POLSC 20100 - Ancient to Early Modern Political Thought (W)

GER 3/B PD/D
The study of selected writers from the ancient Greeks to the Renaissance (e.g., Plato to Machiavelli), focusing on the political dimensions of such ideas as rationality, virtue, community, human nature and historical change.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20900 - Women and Gender in Western Political Thought (W)

GER 3/B PD/C or D
Examines history of political thought from the perspective of gender relations and the treatment of women.

cross-listed WGS 20900 (W)
prereq: ENGL 12000 or its equivalent
3 hrs cr.

POLSC 25400 - Government and Politics in Western Europe (W)

GER 3/B PD/D
Theory, practice, institutions and problems of Western European nations particularly Britain, France and Germany.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26500 - Government and Politics in Eastern Europe (W)

GER 3/B PD/D
Political, social and economic institutions of individual Eastern Central European nations and their post-communist transitions.

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 31500 - Social and Economic Policies in Western Europe and the United States (W)

GER 3/B PD/D
Evolution of social and economic policies from the 19th century to the present. Policies are analyzed in light of tensions between democracy and capitalism.

prereq: ENGL 12000 or its equivalent; any course in comparative politics, or perm instr.
3 hrs3 cr.

POLSC 37800 - Russian National Interest: Past and Present (W)

GER 3/B PD/D
In a contemporary, historical and comparative context, this course will explore the factors influencing debates on and definitions of Russia’s national interests, the strategies for promoting those interests and the implications for Russia and the international system.
prereq: ENGL 12000 or equivalent; POLSC 25000 or POLSC 27000 or perm instr.
3 hrs3 cr.

**POLSC 38000 - European Security (W)**

GER 3/B PD/D
A theoretically informed examination of current and historical security problems in Europe, with a focus on the sources of war and peace, strategic calculations, alliances, institutions, democratization, norms, and ideological and identity conflicts. A principal aim is to establish a foundation for analyzing the prospects for a secure order in Europe in the first part of the 21st century.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or 28200; minimum of 45 credits and 9 credits in political science or permission of the instructor
4 hrs4 cr.

**Psychology**

**Religion**

**REL 20400 - Religious Experience (W)**

GER 2/C PD/D
Cross-cultural analysis of religious experiences: Biblical, ancient Greek, Asian, modern Western.
prereq: ENGL 12000
3 hrs3 cr.

**REL 20500 - Faith and Disbelief (W)**

GER 2/C PD/D
Examination of questions of faith and disbelief in modern Western thought.
prereq: ENGL 12000
3 hrs3 cr.

**REL 20600 - Ideas of God in Contemporary Western Thought (W)**

GER 2/C PD/D
Survey of representative schools of current Western religious thought: Christian theism, metaphysical protest, process theology, feminist theology, liberation theology, beyond theism thought.
prereq: ENGL 12000
3 hrs3 cr.

**REL 20700 - Religious Sources for Morality (W)**

GER 2/C PD/D
Religious reasons for determining good and evil; religious sources for ethical decisions.
prereq: ENGL 12000
3 hrs3 cr.

**REL 20800 - Religion and Social Justice (W)**
GER 2/B PD/D
An exploration into religious perspectives on such social issues as war, race, the economy and gender relations.
prereq: ENGL 12000
3 hrs3 cr.

REL 25300 - Western Religions (W)
GER 2/C PD/D
Survey of major Western religions – Christianity, Judaism, Zoroastrianism and Islam.
prereq: ENGL 12000
3 hrs3 cr.

REL 27000 - Religion and Psychology (W)
GER 2/C PD/D
An examination of ways in which psychology understands, describes, values (or devalues) religion using the media of text, story and film.
prereq: ENGL 12000
3 hrs3 cr.

REL 30700 - Religious Ideas in Modern Literature (W)
GER 3/A PD/D
Exploration of religious themes in modern literature.
prereq: ENGL 12000
3 hrs3 cr.

REL 30800 - Religion and the Arts (W)
GER 3/A PD/D
Examination of religious themes in art, music, theatre, cinema, or literature. Different topics each time offered.
prereq: ENGL 12000
3 hrs3 cr.

REL 30900 - The Religious Meaning of Love and Sex (W)
GER 3/A PD/D
Interdisciplinary investigation of the major ways humankind has understood the relation between the sexually erotic and religious realities.
prereq: ENGL 12000
3 hrs3 cr.

REL 31000 - The Religious Meaning of Death (W)
GER 3/A PD/D
Consideration of the meaning of death in major world religions.
prereq: ENGL 12000
3 hrs3 cr.

REL 31200 - Religion and Politics (W)
GER 3/A PD/D
The role of political ideology in the shaping of religious belief and theology's influence on politics in Western and non-Western traditions, both conservative and radical.

prereq: ENGL 12000
3 hrs 3 cr.

REL 31300 - Spirit and Nature (W)

GER 3/A PD/D
An exploration of the ideas of nature and animal life in a representative sampling of the religious traditions of the world, inquiring into the implications for environmental policy and the treatment of animals.

prereq: ENGL 12000
3 hrs 3 cr.

REL 31500 - The Problem of Evil (W)

GER 3/A PD/D
Exploration of the religious meaning of evil in different cultures.

prereq: ENGL 12000
3 hrs 3 cr.

REL 32300 - Christianity (W)

GER 3/A PD/D
Analysis of the Christian religion which employs methodologies of the academic study of religion and which aims to uncover the unity of Christian faith embodied in its various expressions.

prereq: ENGL 12000
3 hrs 3 cr.

REL 33000 - New Testament Religion (W)

GER 3/A PD/D

prereq: ENGL 12000
3 hrs 3 cr.

REL 33300 - Christian Theology (W)

GER 3/A PD/D
An examination of key doctrines in Christian thought such as trinity, incarnation, existence of God and grace.

prereq: ENGL 12000
3 hrs 3 cr.

REL 33400 - Mysticism (W)

GER 3/A PD/D
Cross-cultural exploration of mystical experience and mystical doctrines, as well as an exploration of the various methods of studying them.

prereq: ENGL 12000
3 hrs 3 cr.
REL 33500 - Myth and Ritual (W)

GER 3/A PD/D
Cross-cultural exploration of myth and ritual and their place in various cultures; methodologies for analysis.
prereq: ENGL 12000
3 hrs 3 cr.

REL 39000 - Modern Theories in Religion (W)

GER 3/A PD/D
An advanced methodology course surveying key issues and main approaches under discussion in the current study of religion when standard methods of interpretation are being subjected to exhaustive critique and revision and new theories are being proposed.
prereq: ENGL 12000, REL 11100 or equiv; at least one other course in religion or a theoretical course offered by participating department, such as ANTHC 30700, PHILO 26200 or SOC 20500; perm instr.
3 hrs 3 cr.

Romance Languages

French

FREN 24100 - Early French Civilization: From Gothic to Revolution

GER 2/C PD/D
Conducted in English; readings in English.
3 hrs 3 cr.

FREN 24200 - Modern French Civilization: From Revolution to Present

GER 2/C PD/D
Conducted in English; readings in English.
There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
3 hrs 3 cr.

FREN 25100 - French Literature and the Arts

PD/D
Conducted in English; readings in English and French. Particular attention to theme, image and structure as they may be compared in literary and artistic works.
3 hrs 3 cr.

FREN 25300 - Modern French Theatre: Theory and Practice

GER 3/A PD/D
4 hrs 3 cr.
FREN 25400 - Film and the French Novel

GER 3/A PD/D
Conducted in English. Truffaut, Godard, Resnais, Robbe-Grillet and others.
3 hrs 3 cr.

FREN 25900 - French Theatre in Translation

PD/D
Conducted in English; readings in English. Development of French theatre from 17th to 20th century. Great plays that have become known in English translation.
3 hrs 3 cr.

FREN 26000 - French Novel in Translation (1600-1900)

PD/D
Readings in English; conducted in English. Development and evolution of French novel; its relationship to other literary genres.
3 hrs 3 cr.

FREN 26100 - Modern French Novel in Translation (1900-Present)

PD/D
Conducted in English; readings in English. From Gide and Proust to present.
3 hrs 3 cr.

FREN 26200 - Perspectives on Women in French Literature

GER 3/A PD/C or D
The representation of women in literary texts from the Middle Ages to the present. Conducted in English. Readings in English translation.
3 hrs 3 cr.

FREN 27500 - Introduction to French Literature

PD/D
Conducted in French. Introduction to literary texts and analysis using outstanding works of French literature in all genres from across centuries. Emphasis on reading comprehension and explication de texte.

prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 33500 - French Culture I

PD/D
Main intellectual and artistic currents from the Gauls to the French Revolution. Conducted in French.

prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.
FREN 33600 - French Culture II

PD/D
Main intellectual and artistic currents from the French Revolution to 1958. Conducted in French.
prereq: FREN 20200 or four years of high school French
3 hrs 3 cr.

FREN 34100 - Survey of French Literature from the Middle Ages to the End of the 17th Century

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 34300 - Medieval and Renaissance French Literature

GER 3/A PD/D
From medieval epics, lyrical poetry and mystery plays to writers such as See, Du Bellay, Ronsard, Rabelais and Montaigne.

FREN 34100 and 34200 are prerequisite to all courses numbered 34300 and above.
3 hrs 3 cr.

FREN 34400 - 17th Century French Literature

GER 3/A PD/D
Such authors as Boileau, Bossuet, Corneille, Cyrano de Bergerac, La Bruye, Mme de Lafayette, La Fontaine, Malherbe, Molire, Pascal, Racine, Mme de Sign Saint Simon.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 34600 - 18th Century French Literature

GER 3/A PD/D
Such authors as Beaumarchais, Buffon, Ch'nier, the Encyclopedists, Diderot, Laclos, Marivaux, Montesquieu, Provost, Rousseau, Sade, Voltaire.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 34800 - 19th Century French Literature (1800-1850)

GER 3/A PD/D
Such authors as Balzac, Chateaubriand, Constant, Gautier, Hugo, Lamartine, Musset, Sand, Mme de Sta, Stendhal,
Vigny.
FREN 34100 and 34200
3 hrs3 cr.

FREN 34900 - 19th Century French Literature (1850-1900)

GER 3/A PD/D
Such authors as Barbey durevilly, Barr's, Baudelaire, Daudet, Flaubert, France, Huysmans, Leconte de Lisle, Mallarm, Maupassant, Renan, Rimbaud, Sainte-Beuve, Taine, Verlaine, Villiers de Isle-Adam, Zola.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 35000 - 20th Century French Literature (1900-1950)

GER 3/A PD/D
Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, Paguay, Proust, Sartre.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 35100 - Contemporary French Literature (1950-present)

GER 3/A PD/D
Such authors as Beckett, Bon, Buto, Camus, Duras, Echenoz, Ernaux, Kolt's, NDiaye, Perec, Redonnet, Robbe-Grillet, Sarraute.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36000 - French Literature: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36100 - Middle Ages and the Renaissance: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36200 - The 17th Century: Special Topics

GER 3/A PD/D
3 hrs3 cr.

FREN 36300 - The 18th Century: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs3 cr.
FREN 36400 - The 19th Century: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36500 - The 20th Century: Special Topics

GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36600 - French Cinema: Special Topics

GER 3/A PD/D
Topics to be offered may concern historical, thematic, or aesthetic issues in French-language cinema
prereq: FREN 34100 and FREN 34200 or equivalent
4 hrs 3 cr.

FREN 37500 - Seminar in French Literary History

GER 3/A PD/D
Readings, discussion and reports.
prereq: FREN 34100 and 34200; five courses in French major
3 hrs 3 cr.

FREN 49100 - Honors Course in French

PD/D
Open to Jr/Sr only. Research in history of French literature.
prereq: FREN 34400, 34600, 34800; major GPA 3.2, cum GPA 2.8; perm adviser
3 hrs 3 cr.

Italian

ITAL 26000 - Modern Italian Short Story (W)

GER 2/C PD/D
In English. Study of the main literary trends in short story form, including Naturalism, Neorealism, Existentialism and Surrealism.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.
prereq: ENGL 120 or equiv.
3 hrs 3 cr.

ITAL 27600 - Dante's Divine Comedy in English (W)

GER 3/A PD/D
Introduction to Dante's Divine Comedy, with particular emphasis on the Inferno.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

ITAL 28000 - The Italian Renaissance: An Introduction

GER 2/C PD/D
In English. An introduction to the literature of the Italian Renaissance and the major humanist figures in art, politics, philosophy and science.

ITAL 33400 - Italian Civilization in the Baroque, in English

GER 2/C PD/D
An introduction to the main artistic, philosophical, scientific and literary achievements in Italy in the 17th century.

ITAL 34200 - Introduction to Italian Literature from the 16th Century to the Present

GER 3/A PD/D
Selections from Tasso to contemporary writers.

ITAL 34300 - Dante’s Vita Nuova and Inferno

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

ITAL 34400 - Dante’s Purgatorio and Introduction to Paradiso

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

ITAL 34500 - Dante’s Paradiso and Major Prose Works
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 34300
3 hrs3 cr.

**ITAL 34600 - Petrarch, Boccaccio and the Literature of Humanism**

GER 3/A PD/D
Il Canzoniere and Il Decameron.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34100
3 hrs3 cr.

**ITAL 34700 - 16th Century Italian Literature**

GER 3/A PD/D
Study of such authors as Ariosto, Castiglione, Guicciardini and Machiavelli.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34100
3 hrs3 cr.

**ITAL 34800 - 17th and 18th Century Literature**

GER 3/A PD/D
Study of such authors as Tasso, Goldoni and Alfieri.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34100
3 hrs3 cr.

**ITAL 34900 - The Modern Italian Lyric**

GER 3/A PD/D
From Leopardi to contemporaries.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34200
3 hrs3 cr.

**ITAL 35000 - The Modern Italian Novel**

GER 3/A PD/D
Novel from Manzoni to present.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34200
3 hrs3 cr.
Spanish

SPAN 24100 - Civilization of Spain, in English

GER 2/C PD/D
An integrated presentation of Spanish civilization, combining historical with literary and other cultural aspects.

prereq: ENGL 12000
3 hrs3 cr.

SPAN 26400 - Contemporary Spanish Literature in Translation

Cela, Lorca, Unamuno, Ortega y Gasset.

Taught in English. This course is designed for students who want to become acquainted with Spanish culture. Cannot be credited toward the major and are not recommended for the minor.

prereq: ENGL 12000
3 hrs3 cr.

SPAN 26500 - Don Quixote (in English translation) (W)

GER 3/A, PD/D
Commentary and analysis of Cervantes' novel in its entirety, read in English translation. Examination of its main themes within the sociohistorical and literary contexts, as well as its essential role in the development of the modern novel.

Writing Intensive

prereq: ENGL 12000
3 hours3 credits

SPAN 27500 - Readings in Modern Spanish Literature

PD/D
Representative writers: Unamuno, Lorca, Cela.

prereq: SPAN 20200, 20300, 20800, 21100 or four yrs high school Spanish or dept. perm
3 hrs3 cr.

SPAN 33500 - Spanish Civilization

GER 3/A PD/D

prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

SPAN 34100 - Introduction to Hispanic Literature I

GER 3/A PD/D
Prerequisite or corequisite to most courses in major sequence. Basic interpretive and research skills for Spanish majors and other qualified students through study of key works of Spanish and Spanish-American authors.
SPAN 34200 - Introduction to Hispanic Literature II

GER 3/A PD/D
prereq: SPAN 34100
coreq: SPAN 31200
3 hrs 3 cr.

SPAN 34300 - Spanish Literature of the Middle Ages

GER 3/A PD/D
After exploring Al Andalus’ poetry, prose and philosophy written by Muslim and Jewish authors; the Castilian epic Poema de Mio Cid, the beginning of the Christian cult of Virgin Mary (Milagros de Nuestra Señora), the origins of the short stories (Libro de Conde Lucanor), and the elegy will be studied. Special attention will be given to the position of women since the 12th Century, especially in Libro de buen amor.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 34500 - Spanish Drama of the Golden Age

GER 3/A PD/D
Theatre of 16th and 17th centuries, Lope de Vega and Calderon.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 34600 - Cervantes

GER 3/A PD/D
Don Quijote.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 34900 - Spanish Prose of the Golden Age

GER 3/A PD/D
Principal themes and genres of prose production in Spain in the 16th and 17th centuries, with emphasis on such authors as Rojas, Santa Teresa, Cervantes, Zayas and Quevedo.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35000 - Spanish Poetry of the Golden Age

GER 3/A PD/D
Principal forms and issues of poetic composition in Spain in the 16th and 17th centuries, with emphasis on major poets such as Garcilaso, Fray Luis, San Juan de la uz, Lope, Quevedo and Góngora.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35300 - Spanish Neoclassicism and Romanticism
GER 3/A PD/D
Representative works of Neoclassical and Romantic periods, including costumbrismo.

prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35500 - Spanish Literature from Realism to World War I

GER 3/A PD/D
From Realism and Naturalism through the Generation of 1898 and Modernism.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35700 - Early 20th Century Spanish Literature

GER 3/A PD/D
Presentation of the major writers and works of the first 40 years of 20th century Spanish literature.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35800 - Post-Civil War Spanish Literature

GER 3/A PD/D
Major trends and writers since the Spanish Civil War, with particular attention to the social, cultural and political context.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 37000 - Special Topics in Spanish Literature

GER 3/A PD/D
May be repeated with different topic.
prereq: SPAN 34100; permission of adviser.
3 hrs 3 cr.

SPAN 37500 - Seminar in Spanish Literary History

GER 3/A PD/D
Recommended for seniors. Readings, discussion and reports.
prereq: SPAN 34100, 34200
3 hrs 3 cr.

SPAN 49500 - Independent Study in Hispanic Literature

PD/D
prereq: perm dept.
1-3 cr.

Sociology
SOC 22100 - Classical Sociological Theory

GER 3/B PD/D
Classical theorists and their contributions.
prereq: SOC 10100
3 hrs 3 cr.

Theatre

THEA 21100 - World Theatre I (W)

GER 2/C PD/D
Survey of international theatre from its pre-Greek origins to the Spanish Golden Age.
prereq: ENGL 12000, THEA 10100
3 hrs 3 cr.

THEA 21200 - World Theatre II (W)

GER 2/C PD/D
Survey of international theatre from the Elizabethan period to Wagner.
prereq: ENGL 12000, THEA 10100
3 hrs 3 cr.

THEA 21300 - World Theatre III (W)

GER 2/C PD/D
Survey of international theatre from 19th-century Naturalism to the present day.
prereq: ENGL 12000, THEA 10100
3 hrs 3 cr.

THEA 32100 - Play Analysis (W)

GER 3/A PD/D
Principles of play analysis; examination of play structure, theatrical form, and historical period.
prereq: THEA 21100 or 21200 or 21300
3 hrs 3 cr.

THEA 32200 - Theatre Theory and Criticism (W)

GER 3/A PD/D
Major theatrical theories, with emphasis on modern, as applied to acting, design, directing, and playwriting.
prereq: THEA 21100 or 21200 or 21300
3 hrs 3 cr.

THEA 33100 - Avant-Garde Theatre of the 20th Century (W)

GER 3/A PD/D
Departures from realism Expressionism, Artaud, Brecht, Grotowski from Alfred Jarry to the present.
prereq or coreq: THEA 21100 or 21200 or 21300
3 hrs 3 cr.
THEA 33200 - Theatre of Realism and Naturalism

GER 3/A PD/D
Plays, theory, and stagecraft of realism and naturalism movements from the late 19th century to the present.
prereq or coreq: THEA 21100 or 21200 or 21300
3 hrs 3 cr.

THEA 33300 - Alternative Performance

GER 3/A PD/D
Study of performance styles and practices using theatre and/or film in non-traditional modes.
prereq: THEA 21300 or THEA 32300
3 hrs 3 cr.

THEA 36200 - Acting: Period Drama

GER 3/A PD/D
Scene study from such periods as Greek, Elizabethan, and Restoration.
prereq: THEA 21100 or 21200 or 21300; THEA 26200, 26300 or perm instr.coreq: THEA 36300
4 hrs 3 cr.

Thomas Hunter Honors Program

HONS 20100 - Sophomore Honors Colloquium (W)

PD/D
Sample topics: Integrating the Irrational; Dante's World; Language, Learning, and Computation; Law and Literature; The Gothic; Ethics in Public Health. May be taken more than once with different topics. Some topics may meet a PD requirement; check with adviser.
prereq: perm dept.
3 hrs 3 cr.

HONS 30100 - Upper-Level Honors Colloquium (W)

PD/D
Sample topics: Behavior and Evolution; Greek Myth in the Arts; Energy and Environment; Politics of Southern Africa. May be taken more than once with different topics. Some topics may meet a PD requirement; check with adviser.
prereq: perm dept.
3 hrs 3 cr.

Women and Gender Studies

WGS 20900 - Women and Gender in Western Political Thought (W)

GER 3/B PD/C or D
The history of political thought from the perspective of gender relations and the treatment of women.
cross-listed POLSC 20900
prereq: ENGL 12000 or equiv.
3 hrs 3 cr.
WGS 30500 - Women and Slaves in Classical Antiquity (W)

GER 3/A PD/C or D
Women and slaves in Greek and Roman society and origins of Western attitudes about sex and class.
cross-listed CLA 30500
prereq: ENGL 12000
3 hrs 3 cr.

List of Courses for the GER Foreign Language Requirement

Africana and Puerto Rican/Latino Studies

Swahili

SWA 10100 - Swahili I

Introduction to Swahili, pronunciation and elements of grammar.
Each credit for SWA 101 is not given until SWA 102 completed
3 hrs 3 cr.

SWA 10200 - Swahili II

Introduction to Swahili, pronunciation and elements of grammar.
Each credit for SWA 10100 is not given until SWA 10200 completed
3 hrs 3 cr.

SWA 20100 - Swahili III

Grammar review, composition oral practice.
prereq: SWA 10200 or demonstrated competence in speaking and writing
3 hrs 3 cr.

SWA 20200 - Swahili IV

Review of morphology and syntax original composition, intensive oral practice.
prereq: SWA 20100 or demonstrated competence as a native speaker
3 hrs 3 cr.

Yoruba

YOR 10100 - Yoruba I

Elementary Yoruba. Introduction to language and culture of Yoruba People of Nigeria.
Each credit for YOR 10100 is not given until YOR 10200 is completed
3 hrs 3 cr. each

YOR 10200 - Yoruba II
Elementary Yoruba. Introduction to language and culture of Yoruba People of Nigeria. 
Each credit for YOR 10100 is not given until YOR 10200 is completed
3 hrs3 cr. each

**YOR 20100 - Yoruba III**

Writing and reading of Yoruba language, including study of grammar and syntax.
prereq: YOR 10200 or demonstrated competence in speaking and writing
3 hrs3 cr.

**YOR 20200 - Yoruba IV**

Intensive writing and reading of Yoruba language and continuation of study of grammar and syntax.
prereq: YOR 20100 or demonstrated competence as a native speaker
3 hrs3 cr.

Classical and Oriental Studies

**Arabic**

**ARB 10100 - Beginning Arabic I**

Introduction to reading, speaking, listening, writing both formal and informal Arabic.
10100 not credited without 10200. This class is not for native speakers.
4 hrs4 cr.

**ARB 10200 - Beginning Arabic II**

Continuation of ARB 10100.
This class is not for native speakers.
prereq: ARB 10100 or equiv.
4 hrs4 cr.

**ARB 20100 - Intermediate Arabic I**

Emphasis placed on reading materials from Arabic media, and expanding vocabulary and grammar skills.
prereq: ARB 10200 or equiv.
3 hrs3 cr.

**ARB 20200 - Intermediate Arabic II**

Continuation of ARB 20100.
prereq: ARB 20100 or equiv.
3 hrs3 cr.

**Chinese**

**CHIN 10100 - Elementary Chinese I**
Beginning course in Mandarin.

**CHIN 10100** not credited without **CHIN 10200**.
3 hours 3 credits
offered fall

**CHIN 10200 - Elementary Chinese II**

Beginning course in Mandarin.
3 hours 3 credits
offered spring

**CHIN 20100 - Intermediate Chinese I**

Reading of literature in *baihua* (vernacular style) with emphasis on structural use of “function words” and vocabulary-building.

*prereq: CHIN 10200 or equiv.*
3 hrs 3 cr.
offered fall

**CHIN 20200 - Intermediate Chinese II**

Continued reading of literature in *baihua*.

*prereq: CHIN 20100 or equiv.*
3 hrs 3 cr.
offered spring

**Greek**

**GRK 10100 - Beginning Greek**

**GRK 101** not credited without **GRK 102**.
8 hrs 8 cr.
offered fall

**GRK 10200 - Beginning Greek**

**GRK 10100** not credited without **GRK 10200**.
8 hrs 8 cr.
offered spring

**GRK 11000 - Greek Reading**

*prereq: GRK 10200 or equiv.*
3 hrs 3 cr.
offered fall

**GRK 20200 - Plato**
prereq: GRK 11000 or equiv.
3 hrs3 cr.

GRK 20300 - Homer

prereq: GRK 11000 or equiv.
3 hrs3 cr.

Hebrew

HEBR 10100 - Elementary Hebrew I

Fundamentals of reading, pronunciation and grammar for beginners. Practice in conversation and writing. HEBR 101 not credited without HEBR 102.
3 hrs3 cr.

HEBR 10200 - Elementary Hebrew II

Continuation of HEBR 10100.
prereq: HEBR 10100 or equiv.
3 hrs3 cr.

HEBR 10300 - Intensive Elementary Hebrew

Intensive practice in basic skills of Hebrew. Course covers in one semester the material covered in the two semesters of HEBR 10100 and 10200.
6 hrs6 cr.

HEBR 20100 - Intermediate Hebrew I

Continued practice in conversational Hebrew, grammar and composition.
prereq: HEBR 10200 or equiv.
3 hrs3 cr.

HEBR 20200 - Intermediate Hebrew II

Intensive practice in conversation, composition and grammar. Selected readings in Hebrew literature.
prereq: HEBR 20100 or equiv.
3 hrs3 cr.

HEBR 10500 - Elementary Biblical Hebrew I

The first in a series of four introductory courses in the Hebrew of the Bible. No prior knowledge of Hebrew required. Not credited without HEBR 106
3 hours3 credits

HEBR 10600 - Elementary Biblical Hebrew II
The second in a series of 4 introductory courses in Biblical Hebrew.  
*prereq: HEBR 105 or equivalent.*  
3 hours 3 credits

**HEBR 20500 - Intermediate Biblical Hebrew I**

This is the 3rd semester of a 4-semester series of Biblical Hebrew courses.  
*prereq: Biblical Hebrew 10600 or equivalent.*  
3 hours 3 credits

**HEBR 20600 - Intermediate Biblical Hebrew II**

This is the 4th semester of the 4-semester Biblical Hebrew series.  
*prereq: HEBR 20500 or equivalent.*  
3 hours 3 credits

**Japanese**

**JPN 10100 - Elementary Japanese I**

*10100 not credited without 10200.*  
3 hrs 3 cr.

**JPN 10200 - Elementary Japanese II**

Continuation of 10100.  
*prereq: JPN 10100 or equiv.*  
3 hrs 3 cr.

**JPN 20100 - Intermediate Japanese I**

Continuation of JPN 10100-10200. Extensive reading and writing practice, including at least 500 additional kanji; advanced grammar study.  
*prereq: JPN 10200 or equiv.*  
3 hrs 3 cr.

**JPN 20200 - Intermediate Japanese II**

Continuation of JPN 20100.  
*prereq: JPN 20100 or equiv.*  
3 hrs 3 cr.

**Latin**

**LAT 11000 - Latin Reading**
prereq: LAT 10200 or equiv.
3 hrs3 cr.
offered fall

LAT 20100 - Ovid's Metamorphoses

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20200 - Roman Biography

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20300 - Vergil's Aeneid

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20400 - Cicero's De Senectute

prereq: LAT 11000 or equiv.
3 hrs3 cr.

Polish

POL 10100 - Elementary Polish

2 sems, 6 hrs6 cr.

POL 10200 - Elementary Polish

2 sems, 6 hrs6 cr.

POL 20100 - Intermediate Polish I

prereq: POL 10200
3 hrs3 cr.

POL 20200 - Intermediate Polish II

prereq: POL 20100
3 hrs3 cr.

Russian

RUSS 10100 - Elementary Russian
Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 101 not credited without RUSS 102.
2 sems, 3 hrs3 cr. each sem.

**RUSS 10200 - Elementary Russian**

Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 10100 not credited without RUSS 10200.
2 sems, 3 hrs3 cr. each sem.

**RUSS 10300 - Elementary Russian for Heritage Speakers (Intensive)**

Intensive study of the Russian language for heritage speakers who seek to gain literacy in the language. Two semesters in one.
6 hrs6 cr.

**RUSS 20100 - Intermediate Russian I**

Selected readings in prose. Continued practice in written and spoken Russian. Grammar review.
*prereq: RUSS 10200 or 10300*
3 hrs3 cr.

**RUSS 20200 - Intermediate Russian II**

Selected readings in Russian literature. Practice in oral and written expression.
*prereq: RUSS 20100*
3 hrs3 cr.

**Ukrainian**

**German**

**GERMN 10100 - Elementary German I**

Not credited without GRMN 102. Practice in 4 basic skills of speaking, reading, writing and comprehending German. For beginners.
3 hrs3 cr.

**GERMN 10200 - Elementary German II**

Continued practice in speaking, reading, writing and comprehending German.
*prereq: GRMN 10100 or equiv.*
3 hrs3 cr.

**GERMN 10300 - Intensive Elementary German**

Intensive practice in 4 basic skills of German. Covers material of GRMN 10100 and 10200 in one semester.
6 hrs6 cr.
GERMN 20100 - Intermediate German I

Practice in comprehending and communicating in German at the intermediate level. Review of basic structures and study of advanced grammar topics.
prereq: GRMN 10200 or equiv.
3 hrs3 cr.

GERMN 20200 - Intermediate German II

Grammar review and composition. Reading and discussion of selected literary texts.
prereq: GRMN 20100 or equiv.
3 hrs3 cr.

GERMN 20300 - Intensive Intermediate German

Covers material of GRMN 201 and 202 in one semester.
prereq: GRMN 10200, 10300 or equiv.
6 hrs6 cr.

Romance Languages

French

FREN 10100 - Elementary French I

Language lab mandatory. Not credited without FREN 10200.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
3 hrs3 cr.

FREN 10200 - Elementary French II

Language lab mandatory.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
prereq: FREN 101 or one yr high school French.
3 hrs3 cr.

FREN 10300 - Intensive Elementary French

Equivalent to material covered in 10100 and 10200. Language lab mandatory.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
6 hrs6 cr.
FREN 20100 - Intermediate French I

Language lab mandatory.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.

prereq: FREN 10200 or two yrs high school French
3 hrs 3 cr.

FREN 20200 - Intermediate French II

Language lab mandatory.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.

prereq: FREN 2000 or three yrs high school French
3 hrs 3 cr.

FREN 20300 - Intensive Intermediate French

Equivalent to material covered in 20100 and 20200. Language lab mandatory.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.

prereq: FREN 10200 or two yrs high school French
6 hrs 6 cr.

Italian

ITAL 10100 - Elementary Italian I

Language lab. Not credited without ITAL 10200.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

3 hrs 3 cr.

ITAL 10200 - Elementary Italian II

Language lab.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 10100 or one yr high school Italian
3 hrs 3 cr.

ITAL 10300 - Intensive Elementary Italian

Equivalent to material covered in 101 and 102. Language lab mandatory.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

6 hrs 6 cr.
ITAL 20100 - Intermediate Italian I

Language lab mandatory.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 10200 or 2 yrs high school Italian
3 hrs3 cr.

ITAL 20200 - Intermediate Italian II

Language lab mandatory.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ITAL 201 or three yrs high school Italian
3 hrs3 cr.

ITAL 20300 - Intensive Intermediate Italian

Equivalent to material covered in 20100 and 20200. Language lab mandatory.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 10200 or 10300
6 hrs6 cr.

Spanish

SPAN 10100 - Elementary Spanish I

Not credited without SPAN 102. Language lab mandatory.

Spanish for English speakers.
3 hrs3 cr.

SPAN 10200 - Elementary Spanish II

Language lab mandatory.

Spanish for English speakers.
prereq: SPAN 10100 or one yr high school Spanish
3 hrs3 cr.

SPAN 10300 - Intensive Elementary Spanish

Equivalent to material covered in 10100 and 10200. Language lab mandatory.

Spanish for English speakers.
6 hrs6 cr.

SPAN 20100 - Intermediate Spanish I

Language lab mandatory.

Spanish for English speakers.
prereq: SPAN 10200 or two yrs high school Spanish
3 hrs3 cr.

SPAN 20200 - Intermediate Spanish II

Language lab mandatory.

Spanish for English speakers.

prereq: SPAN 20100 or three yrs high school Spanish
3 hrs3 cr.

SPAN 20300 - Intensive Intermediate Spanish

Language lab mandatory.

Spanish for English speakers.

prereq: SPAN 10200, two yrs of high school Spanish or equiv. to material covered in 20100 and 20200
6 hrs6 cr.

Music Bachelor's Degrees

Return to: Department of Music

- Music 25-Credit Major (BA)
- Music 42-Credit Major (BA)
- Music - BMus

Major Programs

The Department of Music offers three undergraduate and two BA/MA major programs to fit individual interests and requirements. Students must take three examinations before declaring a music major:

1. **Music notation, rudimentary theory, and basic musicianship skills.** This examination is prerequisite to MUSTH 22000 (Music Theory I).

   Students who do not pass it must take MUSTH 10100 (Music Theory Fundamentals) or learn the material on their own, then repeat the examination.

2. **Elementary music history and literature.** This examination is prerequisite to MUSHL 20500 (Music History I). Students who do not pass it must take MUSHL 10100 (Introduction to Music) or learn the material on their own, then repeat the examination.

3. **Performance audition on an instrument or voice.** This examination is prerequisite to MUSPF 40100 (Private Instruction in Instrument or Voice). Students whose performance skills fall below New York State School Music Association (NYSSMA) level 2, equivalent to about one year of study, must take MUSPF 21100-MUSPF 21200 (Voice I-II), MUSPF 21300-MUSPF 21400 (Piano III), or private lessons at their own expense (without credit), then repeat the examination. Students with no experience in performance may defer the audition until the end of their first semester of study.

   Prospective majors should consult the Music Department’s undergraduate adviser as soon as possible to discuss these examinations and any prerequisite courses they may need before beginning the major.

Piano Proficiency Requirement
All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

Minor in Music

The music minor consists of 15 credits in music:

**MUSTH 10100 - Music Theory Fundamentals**

GER 2/D
For non-majors. Introduction to music theory, sight singing, and ear training.
3 hrs 3 cr.

**MUSHL 10100 - Introduction to Music**

GER 2/D PD/D
For non-majors. Selected compositions primarily from the European tradition studied with aim to develop perceptive listening.
3 hrs 3 cr.

- or -

**MUSHL 10700 - The World of Music**

GER 2/D PD/A
For non-majors. Introduction to music from a spectrum of world cultures, including Africa, Asia, and the Caribbean.
3 hrs 3 cr.

- one course with an MUSHL prefix at the 200-level; and 6 credits of music electives, 3 of which must be at the 200-level or higher.

Prospective minors who have already mastered the material taught in the required 100-level courses MUSTH 10100 and/or MUSHL 10100 or MUSHL 10700) may be exempted from these courses by passing the same entrance examination that is required of prospective music majors (see above). Music minors may substitute more advanced courses in any area of music study, including private lessons (subject to availability) and ensembles, for the courses from which they are exempt. PLEASE NOTE: Music minors who wish to take private lessons for credit (MUSPF 40100) must first pass both the performance audition and music theory portions of the entrance examination.

Grading Policies

Students must have grades of C or better in all prerequisite courses in order to take courses that are required for the major. The grade of CR may not be elected in major courses. In accordance with Hunter College policy, a course may not be taken more than twice without permission of the department.

Honors
To qualify for departmental honors in music, a student must have a 3.5 grade point average in major courses and complete an honors project, taken under the following course number. The project, which must be approved in advance by the Policy Committee, may be a research paper on a historical, theoretical, or other topic; an original composition; or a recital. All projects should demonstrate an advanced level, a broad scope, and a high quality, and must be done under the supervision of a faculty member of the Music Department.

**MUSTH 49100 - Honors Project**

Upper Jr/Sr only. Individual project of large scope in music history, theory, composition, or performance.  
*prereq: minimum music GPA of 3.5, perm undergrad adviser*  
1 sem 3 cr.

**MUSTH 49200 - Honors Project**

*prereq: MUSTH 49100*  
1 sem 3 cr.

**Graduate Study**

Seniors of high academic standing who are recommended by the department may be permitted to take graduate courses for undergraduate credit. Seniors within 9 credits of graduation may apply to the Admissions Office for permission to take graduate courses creditable toward the MA degree.

**Catalog Home**

**Hunter College of the City University of New York**

Hunter College is part of The City University of New York (CUNY), the nation’s largest urban university. CUNY comprises 11 senior colleges, six community colleges, a graduate school, a school of professional studies, a school of journalism and a law school.

Known for its rich and academically rigorous environment, Hunter College takes pride in a curriculum as diverse and wideranging as its community. Hunter faculty and students come from virtually every nation and culture in the world, enriching the Hunter community and the city with their myriad perspectives and experiences. The college seeks to help its students broaden their outlook on the world, achieve success in their chosen professions and fulfill their personal, academic and civic potential.

Originally called The Normal College, the school was founded in 1870 by Thomas Hunter to educate young women who wished to be teachers. Today Hunter is a coeducational, fully accredited college with a large, distinguished faculty in the liberal arts and sciences and in its professional schools. Hunter offers both undergraduate and graduate degrees and enrollsmore than 22,000 students, making it the largest senior college in CUNY.
The college consists of six schools: the School of Arts and Sciences, the School of Education, the Hunter-Bellevue School of Nursing, the CUNY School of Public Health at Hunter College, the School of Health Sciences and the School of Social Work. They offer more than 55 undergraduate programs, which lead to the degrees of bachelor of arts, bachelor of science, bachelor of fine arts and bachelor of music as well as 14 dual bachelor's/master’s programs and scores of graduate programs. Each program of study provides students with skills to attain competence in a specialized field and a foundation of general knowledge. The fields of concentration may be chosen from the general areas of the fine arts, the humanities, the language arts, the sciences, the social sciences and the applied arts and sciences, as well as in professional areas in accounting, education, health sciences and nursing. A new post-baccalaureate program in health careers preparation is available for students interested in taking coursework required for admission to schools of medicine, dentistry, nursing, veterinary science, etc.

Graduate students may matriculate in any one of over 70 master’s degree programs in the School of Arts and Sciences, the School of Education, the CUNY School of Public Health, the School of Health Sciences, the School of Nursing and the School of Social Work. In addition, the graduate programs in teacher education and nursing include courses leading to post-master’s certificates in several different areas. Details of the graduate programs are available in the graduate catalog, at the Hunter College Welcome Center (Room 100 North Building), in the offices of the deans of each area, in the Wexler Library and on the Web at www.hunter.cuny.edu.

The Hunter College Campus Schools are devoted to the education of gifted students who reside in New York City. Opportunities are provided for students to engage in critical thinking and creative endeavors in an atmosphere of intellectual inquiry. Educational research and teacher education projects are features of collaboration with the School of Education at Hunter College. The elementary school (K to Grade 6) and the high school (Grades 7-12) model different educational strategies and serve as demonstration schools for students and teachers. For additional information, contact Randy Collins, Acting Director, at (212) 860-4586 or by e-mail at director@hchsm1.hunter.cuny.edu.

Manhattan Hunter Science High School, which graduated its first class in June 2007, is a science-focused early college high school funded in part by the Gates Foundation. It is a joint venture of Hunter and the New York City Department of Education. Students take college courses at Hunter during their junior and senior years. Many will pursue baccalaureate studies at Hunter and other City University colleges.

**Accreditation**

The programs of Hunter College are registered by the Regents of the State of New York. The college is accredited by the Middle States Commission on Higher Education. Individual programs are recognized and accredited by their national bodies. These are: the National Council for Accreditation of Teacher Education; the Council on Social Work Education; the Commission of Collegiate Nursing Education of the American Association of Colleges of Nursing; the Planning Accreditation Board of the American Planning Association, the Association of Collegiate Schools of Planning and the American Institute of Certified Planners; the Council on Rehabilitation Education; the Council on Academic Accreditation of the American Speech-Language-Hearing Association; the Council on Education for Public Health; the American Dietetic Association Commission on Accreditation for Dietetic Education; the Commission on Accreditation in Physical Therapy; the Accreditation Board for Engineering and Technology.

**Link to General Information**

General Information

**Hunter College of The City University of New York**

695 Park Avenue
New York, NY 10065
School of Arts and Sciences

About the School of Arts and Sciences

The School of Arts and Sciences is dedicated to providing Hunter College students a flexible and challenging liberal arts education. We support dedicated teaching and up-to-date research programs and have made both integral components of strong major programs. In addition, Arts and Sciences faculty teach almost all of the courses that Hunter students are required to take to fulfill the General Education Requirement. Through major courses and GER courses, the School of Arts and Sciences works to complement and strengthen student academic progress in the Schools of Education and the Health Professions.

The School has more than 400 full-time faculty in 23 different departments and eight interdisciplinary programs. It enrolls over 15,000 undergraduate majors and close to 1000 graduate students. The School of Arts and Sciences is also home to interdisciplinary majors in Archaeology, English Language Arts, Women and Gender Studies, Comparative Literature, Jewish Social Studies, Religion, Urban Studies and Latin American and Caribbean Studies.

Office of the Dean:

812 East
(212) 772-5121

Dean:

Shirley C. Scott
(212) 772-5121

Web site: http://www.hunter.cuny.edu/arts_sci/deans_office

Africana and Puerto Rican/Latino Studies

About the Department

The Department of Africana and Puerto Rican/Latino Studies is comprised of Africana and Puerto Rican/Latino sequences. It offers an inter-disciplinary course of study combining humanities and social sciences approaches in the School of Arts and Sciences. The curriculum is devoted to the history and cultures of these two heritages. The Africana sequence focuses on the experiences of African people on the continent and those in the diaspora. The Puerto Rican/Latino sequence addresses issues related to Puerto Ricans, Dominicans and Cubans in the Islands as well as the experiences of Latinos in the U.S. Where applicable, the similarities and common experiences of the sequences are emphasized.
Because of the department’s emphasis on intellectual, analytical and research development, the student with a background in Africana and Puerto Rican/Latino Studies is well prepared to enter the job market or to pursue graduate or professional study. Education, law, journalism, social work, urban planning, public health, medicine, nursing, business, politics, international affairs and government are some of the fields in which students can utilize a background in Africana and Puerto Rican/Latino Studies. Generally, occupations in the public sector, central cities and urban institutions, as well as jobs involving intergroup and intercultural relations, also benefit from such a background.

**Programs and Courses**

Programs and Courses in Africana and Puerto Rican/Latino Studies

**Administration and Faculty**

**Department Office:**

1711 Hunter West  
(212) 772-5035  
Web site: [http://www.hunter.cuny.edu/afprl](http://www.hunter.cuny.edu/afprl)

**Chair:**

Ehiedu Iweriebor  
1709 B West  
(212) 772-5141  
eiwerieb@hunter.cuny.edu

**Faculty**

Africana and Puerto Rican/Latino Studies Faculty

**HEGIS Code:** 2211

**Africana and Puerto Rican/Latino Studies - BA**

**Program of Study**

Given the interdisciplinary organization of the department, students may elect to concentrate their program of study in the Africana sequence, Puerto Rican/Latino sequence or a combination of both with courses from social sciences and humanities offered by the department.

**Major**

The major consists of 30 credits. Courses to be taken are as follows:

6 credits from among

**AFPRL 20100 - African History from Human Origins to 1600 CE**
GER 2/B PD/A
African history from ancient times with emphasis on endogenous African development of civilizations and complex economic, technological and cultural systems over time.
3 hrs 3 cr.

**AFPRL 20200 - African History Since 1600 CE**

GER 2/B PD/A
Main currents of African history from 1600 CE to present
3 hrs 3 cr.

**AFPRL 20300 - African American History I**

GER 2/B PD/B
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.
3 hrs 3 cr.

**AFPRL 20400 - African American History II**

GER 2/B PD/B
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.
3 hrs 3 cr.

**AFPRL 20900 - Introduction to Caribbean History to 1900**

GER 2/B PD/A
Introduction to the major themes in Caribbean history to 1900.
prereq: ENGL 12000
3 hrs 3 cr.

**AFPRL 21000 - Introduction to Caribbean History: 1900 - Present**

GER 2/B PD/A
Introduction to the major themes in Caribbean history after 1900.
prereq: ENGL 12000
3 hrs 3 cr.

**AFPRL 24200 - Puerto Rican History Since 1898**

GER 2/B PD/A
Sociohistorical, political and economic analysis of Puerto Rico dating from the U.S. invasion to the present.
3 hrs 3 cr.

3 credits from

**AFPRL 28100 - Fieldwork in African American/Latino Communities**

Fieldwork involvement and sociopolitical analysis of a community organization in the Black and/or Puerto Rican/Latino communities.
21 credits

- Of which at least 12 must be taken at the 300 and/or 400 level. At least 3 credits must be taken in Puerto Rican/Latino studies if the student’s concentration is in Africana studies and vice versa.

Minor in Africana and Puerto Rican/Latino Studies

The Department of Africana & Puerto Rican/Latino Studies offers a 12-credit minor that requires students to successfully complete two 100/200 level courses and two 300/400 level courses.

Honors

The honors research course, AFPRL 49900, is open to AFPRL upper seniors who have a 3.5 GPA in the major with a 3.0 GPA overall and have completed at least 24 credits including three AFPRL 300/400 level courses. In order to receive an honors endorsement, a student must receive a final grade of at least B+. Students who do not meet the requirement for an honors endorsement but have passed the course, will receive three credits without honors. The research theme changes every academic year. The project is supervised by one full-time AFPRL faculty member but is read and graded by the supervisor and two additional AFPRL full-time faculty members.

Anthropology

About the Department

Anthropology is the study of past and present peoples. Among the social sciences, anthropology is distinguished by its comparative approach to peoples and cultures. As a major in a liberal arts curriculum, it provides students with basic and advanced training in all four branches of the discipline: cultural anthropology (ethnology), archaeology, biological anthropology and anthropological linguistics. Major and minor programs are designed to prepare students for postgraduate activities, which include graduate studies, research and policy-related work. Students are also prepared for careers in teaching, social work and employment in museums, government and industry, both domestic and overseas. Many use anthropology as a prelaw or premedical degree. Hunter College also offers a master of arts degree in anthropology; a doctoral degree in anthropology is offered by The City University of New York, of which Hunter is a senior college member.

Programs and Courses

Programs and Courses in Anthropology

Administration and Faculty

Department Office:

722 North
(212) 772-5410
Web site: http://www.hunter.cuny.edu/anthropology/
Chair:

Marc Edelman
717 North
(212) 772-5410
E-mail: medelman@hunter.cuny.edu

Faculty

Anthropology Faculty

HEGIS Code: 2202

Anthropology - BA

Major

The anthropology major is designed to give students an overview of the discipline, as well as training in all four fields of the subject (archaeology, cultural anthropology and ethnology, anthropological linguistics and biological anthropology). The anthropology major consists of 25 credits [see table below]. To declare a major in anthropology, the student must have completed at least one course in anthropology with a C grade or better. In order to graduate with a major in anthropology, students must earn a C grade or better in all required courses and electives counted toward the major (effective for students declaring the major after September 1, 2007)

Note: While ANTHC 10100 is a prerequisite for many courses in cultural anthropology, including some of the required courses, it is not itself included in the courses required for the major.

Major Requirements

Biological Anthropology: Human Evolution or Human Variation (4 cr.)

ANTHP 10100 - Human Evolution

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

-or-

ANTHP 10200 - Human Variation

GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

Linguistics: Intro to Linguistics (3 cr.)
ANTHC 15100 - Introduction to Linguistics

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.
3 hrs 3 cr.

Archaeology: Intro to Prehistoric Archaeology (3 cr.)

ANTHC 12600 - Introduction to Prehistoric Archaeology

GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs 3 cr.
offered every sem.

Research Design (3 cr.)

ANTHC 31400 - Research Design in Anthropology

GER 3/B
Introduction to basic principles of research design employed in anthropology.
prereq: ANTHC 10100
3 hrs 3 cr.

History of Anthropological Theory (3 cr.)

ANTHC 31800 - History of Anthropological Theory

GER 3/B PD/D
Changing approaches to the study of society and culture. Political and historical context of the development of theory, the link between theory and method and the impact of theory on policy.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

Elective courses (9 cr.)

(selected from above fields)

Total credits 25

Minor in Anthropology

There are two new rules about the minor. First, the minor department controls the minor. Second, the minor is no longer a degree requirement.

General Anthropology
The Anthropology Minor provides students an overview of the discipline through survey courses in each of the four primary subfields of anthropology. It is designed to help students appreciate the significance of, and relations between, language, biology, and culture, for human beings past and present. The minor consists of four courses for a total of 13 credits. In order to graduate with an Anthropology Minor, students must earn a C grade or better in all the courses counted towards the minor.

The minor includes the following three required courses:

**ANTHC 10100 - Introduction to Cultural Anthropology**

GER 2/B PD/A
Comparative and historical examination of the human condition through a focus on diverse responses to universal problems, such as making a living, resolving conflict, organizing family/kin relations and finding meaning in the world.
3 hrs3 cr.
offered every sem.

**ANTHC 12600 - Introduction to Prehistoric Archaeology**

GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs3 cr.
offered every sem.

**ANTHC 15100 - Introduction to Linguistics**

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.
3 hrs3 cr.

Plus one additional course selected from the following two options:

**ANTHP 10100 - Human Evolution**

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.
6 hrs (3 hrs lec, 3 hrs lab)4 cr.
offered every sem.

**ANTHP 10200 - Human Variation**

GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.
6 hrs (3 hrs lec, 3 hrs lab)4 cr.
offered every sem.

Minor in Linguistic Anthropology
The Linguistic Anthropology Minor introduces students to the comparative and interdisciplinary study of language as a cultural resource and speaking as a cultural practice. In its study of the ways in which language and culture are interrelated, linguistic anthropology often draws from linguistics, sociology, psychology, philosophy, communication studies, as well as education, semiotics, and ethnic and literary studies. The Minor consists of a minimum of 12 credits from any of the following courses, or other courses with approval of the departmental undergraduate adviser. In order to graduate with a Linguistic Anthropology Minor, students must earn a C grade or better in all the courses counted towards the minor.

**ANTHC 15100 - Introduction to Linguistics**

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.
3 hrs 3 cr.

**ANTHC 35100 - Language in Culture and Society**

GER 3/B
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social and political life; language, ideology and identity.
3 hrs 3 cr.

**ANTHC 40100 - Seminars in Selected Topics**

Topics TBA.

Minor in Anthropological Archaeology

The Anthropological Archaeology Minor introduces students to the study of past human societies and cultural diversity from an anthropological perspective. The minor consists of a minimum of 12 credits from the courses listed below, or other courses with the approval of the departmental undergraduate advisor. Only one non-ANTHC course from the following list may count towards the minor. In order to graduate with an Anthropological Archaeology Minor, students must earn a C grade or better in all the courses counted towards the minor.

**ANTHC courses:**

**ANTHC 12600 - Introduction to Prehistoric Archaeology**

GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs 3 cr.
*offered every sem.*

**ANTHC 12700 - Introduction to Archaeological Techniques**

Strategies of data collection; determination of age of deposits, environmental reconstruction, examination of artifacts.
*prereq: ANTHC 12600 or perm instr.*
3 hrs 3 cr.
ANTHC 34600 - Analytic Methods in Archaeology

GER 3/B
Theory and methods of analysis of materials recovered from archaeological excavations and surveys.
prereq: ANTHC 12600 or perm instr.
5 hrs (3 hrs lec, 2 lab) 4 cr.

Non-ANTHC courses

ANTHP 10100 - Human Evolution

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

CLA 20400 - Introduction to Classical, Near Eastern, and Egyptian Archaeology (W)

GER 2/C
Introduction to ancient archaeology, including Greece and Rome, Mesopotamia, Egypt, Anatolia, and the Levant.
prereq: ENGL 12000
3 hrs 3 cr.

GEOG 10100 - People and Their Environment

GER 2/B
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. interact with it. Contemporary economic, political and social patterns and problems are discussed.
3 hrs 3 cr.
offered fall and spring.

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab) 4.5 cr.
Offered fall and spring.
Minor in Cultural Anthropology or Ethnology

The Cultural Anthropology Minor introduces students to the study of contemporary human cultures through a focus on cross-cultural similarities and differences in such areas as kinship, politics, economics, religion, sexuality, gender, and artistic production. The minor consists of a minimum of 12 credits from the courses listed below, as well as others that may be approved by the departmental undergraduate adviser. In order to graduate with a Cultural Anthropology Minor, students must earn a C grade or better in all the courses counted towards the minor.

ANTHC 10100 - Introduction to Cultural Anthropology

GER 2/B PD/A
Comparative and historical examination of the human condition through a focus on diverse responses to universal problems, such as making a living, resolving conflict, organizing family/kin relations and finding meaning in the world.
3 hrs3 cr.
offered every sem.

ANTHC 21500 - The Anthropology of Black America (W)

GER 3/B PD/B
Examines anthropological knowledge about Black America and the various socio-political contexts in which this body of scholarship has been produced. Focuses on the politics of knowledge production on Black culture.
prereq: ENGL 12000
3 hrs3 cr.

ANTHC 27500 - Reading Ethnographies (W)

GER 3/B
Examines the most significant mode of writing within cultural anthropology: the ethnography. Students explore interpretive, theoretical and political issues in the representation of cultures through close reading and analysis of ethnographic texts.
prereq: ANTHC 10100 or perm instr.prereq or coreq: ENGL 12000
3 hrs3 cr.

ANTHC 30100 - Gender in Anthropological Perspective

GER 3/B PD/C
Men and women in different societies, division of labor, socialization, stratification, political activism and gender construction.
cross-listed WGS 30100
prereq: ANTHC 10100 or perm instr.
3 hrs cr.

ANTHC 30900 - Countryside and City: Comparative Perspectives

Rural-urban connections and the transformations that affect rural areas and peoples in diverse parts of the world.

prereq: ANTHC 10100 or perm instr.
3 hrs3 cr.

ANTHC 31000 - Politics and Power in Anthropological Perspective
GER 3/B PD/A
Leadership, conflict, inequality, decision-making and law in different societies; interaction of local politics with state and global institutions.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 31800 - History of Anthropological Theory

GER 3/B PD/D
Changing approaches to the study of society and culture. Political and historical context of the development of theory, the link between theory and method and the impact of theory on policy.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 32200 - Problems in Anthropology

GER 3/B
Topics TBA. Recent courses have looked at globalization, social movements and civil society, energy policy, women and economic development, international migration. Depending on topic, may meet PD/A, B, or C.
prereq: perm instr.
3 hrs 3 cr.
offered every sem.

ANTHC 32200 - Family and Household in Anthropology and History

GER 3/B PD/C
Examines variations in household structure and family relations across cultures and over time, focusing on the relationship between domestic arrangements and other aspects of society.
prereq or coreq: ANTHC 10100
3 hrs 3 cr.

ANTHC 35100 - Language in Culture and Society

GER 3/B
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social and political life; language, ideology and identity.
3 hrs 3 cr.

ANTHC 40000 - Honors Projects

prereq: perm chair
offered every sem.

Minor in Physical Anthropology

The Physical Anthropology Minor introduces students to the study of human evolution, including human variation, paleontology, genetics, and primatology. The Minor consists of a minimum of 12 credits. These must include ANTHP 10100 - Human Evolution (4 Cr). The remaining credits can be filled by any ANTHP courses. Also, one (and only one) non-ANTHP course from the following list may count towards the minor. In order to graduate with a Physical Anthropology Minor, students must earn a C grade or better in all the courses counted towards the minor.
Required course for the minor

**ANTHP 10100 - Human Evolution**

GER 2/E  
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.  
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.  
offered every sem.

8 or more credits from any of the following courses (only one non-ANTHP course may be used for the Physical Anthropology Minor):

**ANTHP 10200 - Human Variation**

GER 2/E  
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.  
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.  
offered every sem.

**ANTHP 30100 - Human Fossil Record**

GER 3/B PD/C  
The hominid fossil record of Africa, Asia and Europe. Human evolution as evidenced in fossil record.  
prereq: ANTHP 10100, 10200, or equiv.  
3 hrs 3 cr.

**ANTHP 30200 - Human Genetics**

Analysis of distribution of contemporary human populations and microevolutionary processes that underlie human variability  
prereq: ANTHP 10100, 10200, or BIOL 10200  
3 hrs 3 cr.

**ANTHP 31000 - Primate Ecology and Behavior**

GER 3/B  
Examination of ecological factors responsible for the distribution and behavior of living primate species.  
prereq: ANTHP 10100 or 10200 or BIOL 10000 or 10200  
3 hrs 3 cr.

**ANTHP 31100 - Primate Evolution**

GER 3/B  
Evolution of primate behavior and morphology; interdependence of ecology, behavior and morphology.  
prereq: ANTHP 10100 or perm instr.  
3 hrs 3 cr.

**ANTHP 31200 - Primate Evolutionary Genetics**
Examines evolutionary relationships, social behavior, natural selection, disease, population history, demography, medicine and genomics. This course draws on readings from the primary literature.

prereq: ANTHP 10100 or ANTHP 10200 or BIOL 10200
3 hrs 3 cr.

**ANTHP 31600 - Human Evolutionary Adaptations**

GER 3/B
Studies adaptive significance of distinctive biological features of human species, including brain size, secondary sexual characteristics, sparse body hair and use of complex language.

prereq: ANTHP 10100 or 10200 or BIOL 10000 or 10200
3 hrs 3 cr.

**ANTHP 40100 - Seminars in Selected Topics**

Course provides in-depth study of specific topics in field of physical anthropology.

prereq: prereq; depends on topic
3 hrs 3 cr.

Non-ANTHP courses

**ANTHC 12600 - Introduction to Prehistoric Archaeology**

GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs 3 cr.
offered every sem.

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

**BIOL 12000 - Anatomy and Physiology I**

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.

Not accepted for credit toward the biology major.
prereq: CHEM 10000, 10100 coreq: CHEM 12000, 12100
6 hrs (3 lec, 3 lab)4.5 cr.
fall only

**GEOL 10100 - Fundamentals of Geology**
GER 2/E  
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, “systems thinking”, the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.  
6 hrs (3 lec, 3 lab) 4.5 cr.  
Offered fall and spring.

**PSYCH 16000 - Evolution and Behavior**

GER 2/B  
Aggression, sleep, learning, communication, emotion, motivation and social behavior in human and other species; underlying mechanisms, development, evolutionary history.  
prereq: PSYC 10000  
3 hrs 3 cr.

**Honors Work**

Honors work is possible in each of the major branches of anthropology. The emphasis is on independent student research under the supervision of a faculty member. In order to graduate with departmental honors in anthropology, a student must: (1) have taken at least 2 credits of ANTHC 40000; (2) have a GPA in the major of not less than 3.5 and a cumulative GPA of not less than 2.8 at the time of graduation; and (3) complete a departmental honors form available from the departmental undergraduate adviser.

**AN-C 400 Honors Project**

(available to students in each of the four fields of anthropology) Open to qualified juniors and seniors every semester. Research under supervision of a faculty member. From 2 to 3 credits per semester, depending on the nature of the student’s work. May be taken for 1, 2, or 3 semesters for a maximum of 6 credits. To apply, students must (1) present a research plan prepared in conjunction with a faculty member; (2) have this plan approved by the undergraduate adviser and the department chair; and (3) obtain approval prior to preregistration.

**The COR Program**

The departments of psychology, anthropology and sociology jointly offer a program called COR (Career Opportunities in Research and Education). This interdisciplinary research training program for talented minority juniors and seniors is funded by the National Institute of Mental Health. Participants receive a monthly stipend and tuition and fee remission; they take a special curriculum and get individualized research training in a variety of areas under the supervision of a faculty mentor. The program has several levels of participation and all minority students — especially freshmen and sophomores — intending to pursue a research related career in the participating disciplines are urged to register with the program. Additional details and descriptive literature are available from the COR program manager, 532 Hunter North, (212) 772-4562.

**Interdepartmental Fields**

Students who want to do work in anthropology as part of an interdepartmental field, such as Africana and Puerto Rican/Latino studies, Latin American and Caribbean studies, religion, urban affairs and planning, or women and gender studies, should refer to descriptions under the department or field of their interest.

**Anthropology - BA/MA**
A special feature of the Hunter Anthropology Department is the innovative BA/MA program, designed to permit a small number of highly motivated students to begin graduate study before completing their undergraduate degrees. The program allows students to pursue the MA degree as part of the undergraduate curriculum by substituting graduate courses for electives in their degree programs. Participants fulfill all the requirements for the BA and MA degrees in anthropology. The total number of credits taken by the student is 130. At least 30 must be graduate credits (the same number of course credits required of a student admitted as a matriculated graduate student with a BA in hand). Graduate courses may fulfill undergraduate major requirements with the exception of ANTHP 10100 and ANTHP 10200. Applicants to the BA/MA program must have a minimum GPA of 3.25 and a minimum of 3.5 in their anthropology courses. Students must apply to the program early in their academic careers, usually before beginning the junior year.

Art

About the Department

The Department of Art offers a wide variety of courses for majors and non-majors. In studio art, two academic degrees are offered: the BA and the BFA. In art history, we offer a BA degree. Art history is the study of works of art and architectural monuments in their cultural environment. Students learn first to develop their powers of critical visual analysis. Then, by concentrated study of certain significant periods in the history of Western and non-Western art, they learn to relate the forms of art to contemporary historical, political, economic, religious, social and cultural phenomena.

The department’s broad range of studio courses begins with Introduction to Study of Visual Experience (ARTLA 10100) followed by Beginning Drawing (ARTCR 22100), which are prerequisites for all studio courses. In the beginning classes, the student learns the basic principles in various media; the advanced courses emphasize individual exploration.

Programs and Courses

Programs and Courses in Art

Administration and Faculty

Department Office:

11054 North
(212) 772-4995
Web site: http://www.hunter.cuny.edu/~art

Chair:

Thomas Weaver
11056 North
(212) 772-4995
E-mail: hweaver@hunter.cuny.edu

Faculty

Art Faculty

HEGIS Code: 1002 (Studio Art); 1003 (Art History)
Art History - BA

The Department of Art offers introductory, intermediate and advanced courses in art history. It offers a choice of either a 24-credit standard major or a 42-credit intensive major. An optional minor in art history is also available.

- Art History 24-Credit Major
- Art History 42-Credit Intensive Major

Minor in Art History

The minor includes 12 credits in Art History as follows: ARTH 11000 - Introduction to History of Art followed by 9 credits selected from the other department offerings. No more than 6 credits transferred from another institution may be applied to the minor.

Electives

All courses, unless otherwise specified, are open to qualified students majoring in other areas.

Honors

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Students must have taken at least one combined undergraduate/graduate course (ARTH 39900 “Special Topics”), for which they received a letter grade. Students must present to the department’s Committee on Honors a paper produced in conjunction with ARTH 39900, or with any of the following:

ARTH 40200 - Independent Study in Art History

GER 3/A
ARTH 11000 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
prereq: perm instr.
3 hrs3 cr.

ARTH 36800 - Research Methods of Art History

GER 3/A
Training in bibliographical material and research methods through examination of a problem in art history. Preparation for advanced work.
ARTH 11000 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
prereq: 2 courses of art history from the 200 level
3 hrs3 cr.

- any of the 300-level art history “Advanced Studies” courses.
Graduate Study

The Department of Art offers a number of courses, listed in the Graduate Catalog, that may be credited toward the degree of master of arts. Qualified students in the senior year may be admitted to these courses with the approval of the graduate art history adviser.

Art History 24-Credit Major

Return to Programs and Courses in Art

A BA in art history is available to students interested in a liberal arts education in the humanities. A broad range of courses from different fields, rather than specialization in one area, is encouraged. Students who have completed 9 credits in art history are eligible to take the required advanced Research Seminar (ARTH 36800), to be programmed in consultation with an art history adviser. No courses can be repeated. A minor of 12 credits is required and it may be taken in a related field such as classics, anthropology, history, etc.

Majors must consult with an art history adviser during an early semester concerning their choice of a minor.

Majors planning graduate study in art history are advised to discuss requirements for graduate admission, including graduate language requirements, with an art history adviser during an early semester.

Required Courses for the 24-Credit BA:

Program prerequisite

(survey courses do not count toward art history major credit.)

ARTH 11100 - Introduction to History of Art

GER 2/D PD/D
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.
3 hrs 3 cr.

Six courses, including at least one in each of three different areas: 18 cr

- Ancient
- Medieval
- Renaissance
- Baroque
- Modern including 19th, 20th, 21st century
- Non-Western including: Islamic, Chinese and Japanese

Advanced topics or theme course selected from any of the offerings 3 cr

Research Methods 3 cr
ARTh 36800 - Research Methods of Art History

GER 3/A
Training in bibliographical material and research methods through examination of a problem in art history. Preparation for advanced work.

ARTh 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

prereq: 2 courses of art history from the 200 level
3 hrs 3 cr.

Total 24 cr

Art History 42-Credit Intensive Major

This major is recommended for students desiring concentrated advanced work in art history. It requires 36 credits of course work in art history and 6 credits in studio art. It does not include a minor; however, with permission of the art history adviser, up to 6 credits of work in related areas — studio art, literature, or history, for example — may be substituted for art history courses within the required 36 credits.

As in the case of the 24-credit major, the sequence begins with one of the introductory courses (program prerequisite), is followed by five elective courses in art history and includes the advanced Research Seminar (ARTh 36800).

Required Courses for the 42-Credit Intensive Major

Program prerequisite

(Survey courses do not count toward art history major credit.)

ARTh 11100 - Introduction to History of Art

GER 2/D PD/D
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.
3 hrs 3 cr. cr

Nine courses, including at least one in each of five different areas: 27 cr

- Ancient
- Medieval
- Renaissance
- Baroque
- Modern including 19th, 20th, 21st century
- Non-Western including: Islamic, Chinese and Japanese

Advanced studies and/or theme course selected from any of the offerings 6 cr
(e.g., ARTH 29900 and/or 300- or 400-level courses)

Research Methods 3 cr

**ARTH 36800 - Research Methods of Art History**

GER 3/A
Training in bibliographical material and research methods through examination of a problem in art history. Preparation for advanced work.

*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*

*prereq: 2 courses of art history from the 200 level
3 hrs3 cr.*

Studio courses to be chosen in consultation with an adviser 6 cr

Total 42 cr

**Studio Art - BA**

- Studio Art 24-Credit Major (BA)
- Studio Art 42-Credit Major (BA)

**Electives**

All courses, unless otherwise specified, are open to qualified students majoring in other areas.

**Honors**

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Student must submit 35mm slides of an advanced studio project or independent study course.

**ARTCR 36000 - Special Projects**

Advanced students only. Advanced projects are announced prior to registration each term. Recent examples of Special Projects courses: Color Photo; Advanced Photo Darkroom Process; Collage and Assemblage; Color as Communication; Computer Graphics; Projects in Clay; Advanced Watercolor Painting; Experiment: Photography and Graphics; Site-Specific Painting; Projects in 2-D., Digital Art, Advanced Digital Art, Video for Artists, Installation Art, Sculpture: Methods & Materials, Advanced 2-D studio Seminar, Politics & Painting, Unconventional Approaches: Drawing, 2-D,3-D,4-D Seminar, Advanced Painting Tech. & Concepts

*prereq: See department
3 hrs3 cr. + 5 hrs open studio*

**ARTCR 40200 - Independent Study in Studio Art**
The Department of Art offers a number of courses, listed in the Graduate Catalog, that may be credited toward the degree of master of arts. Qualified students in the senior year may be admitted to these courses with the approval of the graduate art history adviser.

**Studio Art - BFA**

This degree is open to the student who wants to complete work in studio art beyond the 42-credit major and particularly the student who intends to pursue a career as a professional artist and attend graduate school. Students follow the regular GER for the BA degree. Departmental approval of the 61-credit BFA concentration is required. Students who have successfully completed 90 credits may apply to the BFA program, pending an interview with the BFA adviser. Students are required to maintain a GPA of 3.0 in this program. Required courses are as follows:

**Year 1 6 cr**

**ARTLA 10100 - Introduction to Study of Visual Experience**

Introduction to conceiving and formulating ideas for visual experience. Students work in 3 different areas in day session, 2 in evening session.

6 hrs 3 cr. + 3 cr. hrs open studio

**ARTCR 22100 - Drawing**

Basic principles in various media and subjects. Eye/hand coordination, perceptual acuity, spatial organization; interpretation of directly observed subjects.

**Year 2 12 cr**

four of the following six courses or 3 of the following 6 courses plus one 300-level course:

**ARTCR 22500 - Graphic Arts Workshop**
Techniques of woodcut, intaglio, lithography, silkscreen and related media.

**ARTC 10100 and 22100 are prerequisites to all studio courses.**

prereq: ARTC 10100 and 22100

4 hrs 3 cr. + 5 hrs open studio

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**ARTCR 23500 - Painting**

Basic principles of painting. Studio practice using varied paint media, varied paint surfaces, paper and canvas.

**ARTC 10100 and 22100 are prerequisites to all studio courses.**

prereq: ARTC 10100 and 22100

4 hrs 3 cr. + 5 hrs open studio

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**ARTCR 25100 - Sculpture**

Basic principles of sculpture. Studio practice in varied materials.

**ARTC 10100 and 22100 are prerequisites to all studio courses.**

4 hrs 3 cr. + 5 hrs open studio

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**ARTCR 25700 - Ceramics**

Introduction to pottery and ceramic sculpture, including hand forming, throwing on the wheel, glazing and kiln operation.

**ARTC 10100 and 22100 are prerequisites to all studio courses.**

4 hrs 3 cr. + 5 hrs open studio

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**ARTCR 27100 - Principles of Photography**

Black and white photography as creative medium; camera and its functions; exposure and film development, contact printing and enlarging.

**ARTC 10100 and 22100 are prerequisites to all studio courses.**

3 hrs 3 cr. + 6 hrs open studio

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**ARTCR 29000 - Combined Media**

An introduction to basic technologies, methods and ideas that result in ways of making art that mix and combine media. The course will emphasize the production of moving images, sounds, performance as well as still images and objects.

4 hrs + 5 hrs open studio 3 cr.

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**Year 3**

At least one area of concentration with two 300-level courses repeated in any one of the following: 6 cr

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**ARTCR 32200 - Advanced Drawing**

Continued experience in drawing with emphasis on drawing from life.

*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*
prereq: ARTC 22100
4 hrs 3 cr. + 5 hrs open studio

**ARTCR 32600 - Advanced Graphic Arts Workshop**

Advanced study of one or more graphic art methods. Individual exploration emphasized. 
*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*

prereq: ARTC 22500
4 hrs 2 cr. + 5 hrs open studio

**ARTCR 33600 - Advanced Painting**

Continued experience in painting with possible concentration upon one medium and theme. Individual exploration emphasized. 
*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*

prereq: ARTC 23500
4 hrs 3 cr. + 5 hrs open studio

**ARTCR 35200 - Advanced Sculpture**

Continued experience in sculpture with possible concentration in one material. Individual exploration emphasized. 
*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*

prereq: ARTC 25100
4 hrs 3 cr. + 5 hrs open studio

**ARTCR 35700 - Advanced Ceramics**

Continued experimentation in form, surface and techniques. Individual exploration emphasized. 
*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*

prereq: ARTC 25700
4 hrs 3 cr. + 5 hrs open studio

**ARTCR 37200 - Advanced Photography**

Techniques and aesthetics of black and white photography; self-expression and exploration; classroom critiques. 
*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*

prereq: ARTC 27100
3 hrs 3 cr. + 6 hrs open studio

**ARTCR 39000 - Combined Media**

Continued experience in combined media with possible concentration in one approach and/or method. Individual exploration will be emphasized. May be repeated once (i.e., taken twice).

4 hrs + 5 hrs open studio 3 cr.

Additional studio art requirements: 6 cr
Courses chosen from all other 200- and 300-level studio art courses. Special-topic advanced studio courses will also be offered each semester for advanced art students; however they do not count toward the major concentration.

Art history requirements: 15 cr

To be completed by the end of year three.

**ARTH 11100 - Introduction to History of Art**

GER 2/D PD/D
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.

3 hrs 3 cr.

**ARTH 24900 - Twentieth-Century Art I (W)**

GER 3/A PD/D
Western art to World War II.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

3 hrs 3 cr.

**ARTH 25000 - Twentieth-Century Art II (W)**

GER 3/A PD/D
Western art from World War II to approximately 1980.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

3 hrs 3 cr.

- and six to nine additional credits chosen from 200- and 300-level courses.

**ARTH 25100 - Contemporary Art (W)**

GER 3/A
Significant international artists and art works of the past twenty years, as well as recent developments in art theory and criticism.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

prereq: ARTH 11100

3 hrs 3 cr.

Year 4 16 cr

**ARTCR 40500 - Art and Current Ideas II**
Lecture and discussion; a non-studio course. Topics of concern in art today as brought forth by current exhibitions. Scheduled trips to galleries and museums. Reading assignments, papers and oral reports focus on issues relative to the exhibitions. 

**ARTC 10100 and 22100 are prerequisites to all studio courses.**

**prereq:** BFA students or perm dept.  
3 hrs 3 cr.

### ARTCR 45900 - Professional Experience in Art I

BFA majors, seniors only. Not credited toward BA degree. Advanced projects may include activities outside the college, as well as within the department.  

**ARTC 10100 and 22100 are prerequisites to all studio courses.**

**prereq:** perm BFA committee at end of junior yr.  
3 hrs + 15 hrs open studio 6.5 cr.

### ARTCR 46000 - Professional Experience in Art II

Continuation of ARTC 45900.  

**ARTC 10100 and 22100 are prerequisites to all studio courses.**  
3 hrs + 15 hrs open studio 6.5 cr.

### Honors

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Student must submit 35mm slides of an advanced studio project or independent study course.

### ARTCR 36000 - Special Projects

Advanced students only. Advanced projects are announced prior to registration each term. Recent examples of Special Projects courses: Color Photo; Advanced Photo Darkroom Process; Collage and Assemblage; Color as Communication; Computer Graphics; Projects in Clay; Advanced Watercolor Painting; Experiment: Photography and Graphics; Site-Specific Painting; Projects in 2-D., Digital Art, Advanced Digital Art, Video for Artists, Installation Art, Sculpture: Methods & Materials, Advanced 2-D studio Seminar, Politics & Painting, Unconventional Approaches: Drawing, 2-D, 3-D, 4-D Seminar, Advanced Painting Tech. & Concepts  

**prereq:** See department  
3 hrs 3 cr. + 5 hrs open studio

### ARTCR 40200 - Independent Study in Studio Art

**ARTC 10100 and 22100 are prerequisites to all studio courses.**  

**prereq:** perm instr.  
1-3 hrs 1-3 cr. per semester

### Graduate Study

The Department of Art offers a number of courses, listed in the Graduate Catalog, that may be credited toward the degree of master of arts. Qualified students in the senior year may be admitted to these courses with the approval of the graduate art history adviser.
Studio Art 24-Credit Major (BA)

Return to Programs and Courses in Art

The standard major is available to the student interested in a liberal arts education. It consists of eight courses in the major subject, normally one 3-credit course per semester and begins with ARTLA 10100, upon completion continues with ARTCR 22100, followed by an additional 18 credits selected from 200- and 300-level ARTCR courses. The department recommends that the optional minor associated with the 24-credit studio major consist of 12 credits in art history. No courses can be repeated.

Honors

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Student must submit 35mm slides of an advanced studio project or independent study course.

Studio Art 42-Credit Major (BA)

Return to Programs and Courses in Art

An intensive major is available for the student who prefers a greater concentration in studio art and particularly for the student who plans to do graduate study in art. It consists of ARTLA 10100 and ARTCR 22100, with a concentration of 9 credits in one study area (e.g., painting, sculpture, drawing, graphics, ceramics, photography, combined media) and 18 credits of other studio art courses to be determined in consultation with a departmental adviser (a total of 30 credits of studio art). Nine credits of study in art history are required. (It is recommended that students declare their major within 41 credits.)

Students should consult with a department adviser for guidance in the selection of 200-level courses. The plan for the area of concentration should be submitted to an adviser for tentative approval at the beginning of the junior year and for final approval in the lower senior term.

Please note: A maximum of 30 credits in studio art may be applied toward the BA degree.

Prerequisite sequence

**ARTLA 10100 - Introduction to Study of Visual Experience**

Introduction to conceiving and formulating ideas for visual experience. Students work in 3 different areas in day session, 2 in evening session.

6 hrs 3 cr. + 3 cr. hrs open studio

**ARTCR 22100 - Drawing**

Basic principles in various media and subjects. Eye/hand coordination, perceptual acuity, spatial organization; interpretation of directly observed subjects.

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

prereq: ARTC 10100

4 hrs 3 cr. + 5 hrs open studio
Creative art

3 courses in one study area
(e.g., painting, sculpture, drawing, graphics, ceramics, photography or combined media.) 9 cr.

6 other studio courses, to be determined in consultation with adviser
(Note: ARTLA 36018 may be substituted for ARTCR course with permission of the adviser) 18 cr.

Art History

3 courses of ARTH 9 cr.

Honors

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Student must submit 35mm slides of an advanced studio project or independent study course.

Asian American Studies

About the Program

The Asian American Studies Program (AASP) was established on the initiative of students and faculty in 1993. An interdisciplinary program, the AASP offers a range of courses on the history, contemporary experiences and contributions of Asian immigrants to the Americas, with close attention paid to how Asian immigrants are an integral part of the history of the United States, redefining American culture and reconstituting American society.

The AASP benefits from its location in a global city with unmatched cultural and intellectual resources and diverse and dynamic Asian populations, and contributes to the growing scholarship in the vital field of Asian American studies while also serving as a resource for New York City’s Asian American communities and community-based organizations. Faculty and students are ideally positioned to become actively involved in a field at the forefront of contemporary research and scholarship and to contribute to the growth and development of local and national Asian American communities.

The program draws its faculty and course offerings from traditional disciplines such as history, sociology, anthropology, political science, education and literature, as well as interdisciplinary fields such as American ethnic studies, women and gender studies, postcolonial studies, international human rights, and policy studies. The AASP grounds its curriculum in the firm belief that a rigorous approach to Asian American studies necessitates an alliance of these areas and methods of study.

Programs and Courses

Programs and Courses in Asian American Studies

Administration and Faculty
Asian American Studies Minor

Students may minor in Asian American studies in consultation with the AASP Director or advisers. A minor consists of 12 credits in Asian American studies. Contact the AASP office for a list of qualifying courses. An Asian American studies minor will enhance the degree and career of students. It provides them with special competence in the histories of the diverse communities of the Asian diaspora and the critical skills with which to understand complex social issues and demographic changes. The AASP prepares students for careers in education, government and community organizations; for entrance to professional schools in areas such as law, social work, and urban planning; and for graduate study and research in the social sciences and humanities. Students majoring in nursing or the health sciences, psychology, political science, sociology, history, business, literature, art and many other areas will find Asian American studies useful, particularly when their interests include activities within Asian American communities or issues that affect Asians and Asian Americans.

Biological Sciences

About the Department

The Department of Biological Sciences at Hunter College stresses excellence in both teaching and research. Fully equipped research laboratories are supported by major federal grants and students are strongly encouraged to become involved in laboratory research. State-of-the-art flow cytometry and bioimaging facilities are housed within the department. They have been created and are funded by federal grants, New York State and the Center for Gene Structure and Function. The Center consists of faculty from the departments of Biological Sciences, Chemistry, Physics, Psychology and Anthropology working in the areas of biomolecular structure and function.

The core curriculum in biological sciences prepares students for admission to both graduate and medical schools and for careers in the biological sciences, including teaching and the growing industry of biotechnology. The curriculum emphasizes cell biology, molecular biology, developmental biology, genetics and neurobiology as the foundation for future careers in fields related to the biological sciences.

Career Planning
**Graduate Study** The department offers a master of arts in the biological sciences and courses taken in the MA program can later be credited toward the PhD upon acceptance into the CUNY doctoral program in biology. Interested students should obtain the Hunter College graduate catalog and contact the biology master’s program adviser. Laboratory research under faculty supervision (see undergraduate research, below) is extremely valuable for gaining admission to graduate schools. Students planning to apply to graduate school should consult with their adviser as early in their college career as possible.

**Professional Schools** Students who plan to apply to schools of medicine, dentistry or veterinary medicine should consult with their adviser and see the preprofessional adviser in Room 812 Hunter East.

**Preparation for Teaching** In cooperation with the School of Education, the Department of Biological Sciences offers opportunities for students to prepare for a teaching career in elementary and secondary schools. Major I in biology satisfies the requirements for New York State certification of at least 30 credits for teachers in adolescent education, grades 7-12. Major II in biology satisfies the requirements for New York State certification for teachers in childhood education, grades 1-6. See the School of Education section of this catalog and consult with an adviser in the School of Education for additional information and requirements.

**Preparation for Biotechnology** Students interested in careers in the rapidly growing field of biotechnology should select Major I and consult with their adviser as early as possible. Advanced courses taken as electives should include BIOL 41000 and those special topics courses (BIOL 47000-BIOL 47100) that are most relevant to biotechnology. Qualified students are also encouraged to pursue the BA/MA Program in Biotechnology. Interested biology majors who have completed BIOL 300 should contact Dr. Patricia Rockwell as early as possible.

**Programs and Courses**

Programs and Courses in Biological Sciences

**Administration and Faculty**

Department Office:

927 North
(212) 772-5293
Web site: http://sonhouse.hunter.cuny.edu/

Chair:

Shirley Raps
927 North
(212) 772-5281
E-mail: bio_admin@genectr.hunter.cuny.edu

**Faculty**

Biological Sciences Faculty

HEGIS Codes: 0401 (BA); 0499 (BA/MA in Biotechnology); 0401/1299 (BA/MA in Environmental & Occupational Health); 1223.01/0401 (BS/MA in Biotechnology)

**Biological Sciences - BA**
The Department of Biological Sciences offers two major programs. Major I is for students who intend to prepare for graduate study, medicine, dentistry, secondary school teaching, biotechnology and industry. Major II is for students preparing to teach in elementary schools. Students planning to pursue Major I are strongly encouraged to declare their major as soon as possible after completing one semester of Principles of Biology.

Declared majors are assigned a permanent faculty adviser who will assist in individual curriculum planning. Students are required to meet with their adviser at least once each semester throughout their undergraduate career to discuss their program and progress.

- Biological Sciences Major I
- Biological Sciences Major II

CR/NC Policy

Only a letter grade (A, B, C, D, including + or -) will be accepted by the department in the required science and mathematics courses for the biology Major I and Major II.

Minor for other Majors

Although the minor is not required, the minor in Biological Sciences gives students a basic understanding of biology from the molecular and cellular to the organismal and population level. This includes both theoretical aspects presented in lecture as well as practical aspects presented in lab. Flexibility is built into the minor to allow students to select courses corresponding to their interests.

The minor in Biological Sciences requires BIOL 10000, BIOL 10200 or BIOL 16000 and two additional Biological Sciences courses, one of which must be at the 200 level or higher.

Number of credits: A minimum of 12 credits. Transfer credits may be applied. At least 2 courses must be taken at Hunter College.

Opportunities for Undergraduates in Biological Sciences

Undergraduate Research Students who wish to undertake a research project under the supervision of a faculty member must first obtain written permission from that faculty member and then register for BIOL 48000 – BIOL 48300. Research opportunities for undergraduates at Hunter are available in cell and molecular biology, developmental biology, neuroscience, cancer biology, AIDS, microbiology and a variety of other contemporary areas. In some cases students may be permitted to work at one of the several neighboring research institutions. Synopses of faculty research interests can be obtained in the department office or from the Department of Biological Sciences Web site (http://sonhouse.hunter.cuny.edu/). In addition, there are summer research opportunities available at Cold Spring Harbor Laboratory and Woods Hole Research Center through the Howard Hughes Medical Institute. Please note that, to qualify for departmental honors at graduation, there is a research requirement.

Honors Work

In order to qualify for departmental honors, students must have a departmental GPA of at least 3.5 and an overall GPA of at least 2.8. They must also satisfy a research requirement consisting of either:

(a) at least 2 credits of

**BIOL 48000 - Introduction to Experimental Biology**
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.

**BIOL 48100 - Introduction to Experimental Biology**

Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.

**BIOL 48200 - Introduction to Experimental Biology**

**BIOL 48300 - Introduction to Experimental Biology**

or (b) at least one course chosen from among

**BIOL 37500 - Molecular Systematics**

An overview of the various methods and kinds of data used in systematics, the study of organism diversity and biological relationships. Emphasis is on modern molecular and genetic approaches to identification of individual species and strains and full phylogenetic analyses of suites of species to determine their evolutionary history. The knowledge base is provided for experimental investigation of questions of current interest in phylogeny and population biology.

**BIOL 39000 - Laboratory in Cell Structure**

Applications of light and electron microscopy to study of cell structure and function. Lab projects utilize thin
sectioning, negative staining, scanning, darkroom printing, digital imaging and other techniques.

prereq or coreq: BIOL 30000 or BIOL 20200 and perm instr.
5 hrs (1 lec/demo, 4 lab)3 cr.
fall only

**BIOL 41000 - Workshop in Biotechnology**

GER 3/B
A series of laboratory-intensive experimental projects, each lasting one week or more, which introduce current research techniques and include individual participation in planning and preparation of experiments. The focus is on a broad biotechnology topic such as the isolation, cloning and expression of a gene, utilizing the techniques of molecular genetics.

*This course satisfies the research requirement for graduation with departmental honors and is a component of the interdisciplinary BS/MA (MLS/Biol) program in biotechnology.*

prereq: BIOL 20000, 20200, perm instr.
30 hrs/week for 4 weeks4 cr.

**Additional Information**

The research requirement includes a written report resulting from work in any of these courses.

**BA/MA Program in Biological Sciences and Adolescent Education: Biology**

This is an accelerated program leading to a BA in Biological Sciences and an MA in Adolescent Education: Biology. Undergraduates admitted to the program start graduate courses during their senior year and will be able to complete the MA degree one year after they complete the requirements for the BA degree. Interested students should contact a Biology Department adviser early in their undergraduate career.

**MA Program in Biological Sciences**

See Career Planning-Graduate Study.

**Biological Sciences Major I**

Return to: Biological Sciences-BA

Major I in Biological Sciences has the following Concentrations:

- Basic (shown below)

  Three other concentrations that are slightly more rigorous than the basic Major I. Interested students should speak with a biology adviser as soon as possible to plan their courses accordingly.

- Behavioral Neurobiology
- Bioinformatics
- Biophysics
28-credit concentration in biology at the 200-level and higher

This plan consists of a 28-credit concentration in biology at the 200-level and higher, the prerequisite for which is introductory biology (BIOL 10000, BIOL 10200). The biology concentration consists of an 18-credit core — BIOL 200, 202, 300, 302 — and 10 credits of electives. Together, introductory biology and the concentration (37 cr) satisfy the major requirement for certification as a teacher of biology in grades 7-12.

18-credit core

**BIOL 20000 - Cell Biology I: Microorganisms**

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.

$10 materials fee required.

*prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.*

*coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)*

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

fall only

**BIOL 20200 - Cell Biology II: Eucaryotic Systems**

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.

$10 materials fee required

*prereq: BIOL 20000 *

*coreq: CHEM 22400 or perm instr.*

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

spring only

**BIOL 30000 - Biological Chemistry**

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.

$10 materials fee required.

*prereq: BIOL 20200, CHEM 22200, 22300 *

*coreq: CHEM 22400 *

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

fall only

**BIOL 30200 - Molecular Genetics**

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition;
applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.

$10 materials fee required.

prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

spring only

Electives (10 cr)

Students may select the remainder of their credits toward Major I from advanced courses in the biological sciences. At least one course must be at the 300 level, in addition to BIOL 300 and 302.

Special-topics

At least one special-topics course must also be taken (various topics offered each semester)

**BIOL 47000 - Special Topics in Biology**

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

prereq: BIOL 30000
2 hrs (lec)2 cr. per sem.

**BIOL 47100 - Special Topics in Biology**

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

prereq: BIOL 300
3 hrs (lec)3 cr. per sem.

Interdisciplinary interests

Students with strong interdisciplinary interests may select the following, after approval by their adviser

- Advanced course offerings in other departments or

**SCI 30200 - Ethical Conduct in the Natural and Physical Sciences**

GER 3/B
Case studies of ethical issues in scientific research and education, including fraud, misrepresentation and negligence in scientific reporting. Term paper required.

prereq: 2 yrs lab science (BIOL 10000, 10200; CHEM 10200, 10300, 10400, 10500; PHYS 11000, 12000; or equiv.) prereq or coreq: lab research experience in natural or physical sciences
2 hrs2 cr.

Additional science and math requirements for Major I:
CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primary for pre-med, medical laboratory sciences and science majors.*
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primary for pre-med, medical laboratory sciences and science majors.*
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primary for pre-med, medical laboratory sciences and science majors.*
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs 2.5 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.
PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

STAT 21300 - Introduction to Applied Statistics
GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

Curriculum Guide for Major I

Year 1

Fall

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. 
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

Spring

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*

**prereq:** CHEM 10200

**coreq:** CHEM 10400

5 hrs (4 lec, 1 rec)4 cr.

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**Year 2**

**Fall**

**BIOL 20000 - Cell Biology I: Microorganisms**

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.

* $10 materials fee required.

**prereq:** BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.

**coreq:** CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)

8 hrs (6 lab, 2 rec)3 cr.

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**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

**prereq:** prereq for CHEM 22200: CHEM 10400

5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

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**CHEM 22300 - Organic Chemistry Laboratory I**

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

**prereq:** CHEM 10500

**prereq or coreq:** CHEM 22200

5 hrs2.5 cr.

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**MATH 15000 - Calculus with Analytic Geometry I**
GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications. 
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam. 
4 hrs 4 cr.

Spring

BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization. 
$10 materials fee required 
prereq: BIOL 20000 coreq: CHEM 22400 or perm instr. 
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr. 
spring only

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms. 
prereq: prereq for CHEM 22400: CHEM 22200 
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates. 
prereq: grade of C or better in MATH 15000 
4 hrs 4 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software. 
prereq: MATH 12500 or appropriate score on placement exam. 
3 hrs 3 cr.

Year 3

Fall

BIOL 30000 - Biological Chemistry
GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
*prereq: BIOL 20200, CHEM 22200, 22300*coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra.
*prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.*
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

**PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
*prereq or coreq: coreq (with perm dept.): MATH 15000*
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.
  - BIOL electives (300 level)

Spring

**BIOL 30200 - Molecular Genetics**

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
*prereq: BIOL 30000*
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

**PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
*prereq: PHYS 11000 or 11100*
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.
**PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E  
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.  
*prereq: PHYS 11000 or 11100*  
*prereq or coreq: (with perm dept.): MATH 15500*  
8 hrs (4 lec, 3 lab, 1 rec)  
5.5 cr.  
- BIOL electives (300 and 400 level)

**Year 4**

**Fall**

- BIOL electives (300 & 400 level)

**Spring**

- BIOL electives (300 and 400 level)

**Note(s)**

*We recommend that math, physics and chemistry courses be completed as early as the student’s schedule allows. Note that CHEM 22400 must be taken prior to or corequisite with BIOL 30000; otherwise, instructor permission is required. Students who are behind in the chemistry sequence are urged to take advantage of the summer session, during which these chemistry courses are usually offered.*

**Biological Sciences Major II**

Return to: Biological Sciences - BA

**For Students Planning to teach in Childhood Education, Grades 1–6**

This plan consists of 26 credits in biological science, 12 credits in additional science and 6 credits in math. Major II satisfies the major requirements for certification as a teacher for grades 1-6.

This major requires 30 credits of education courses and should thus be initiated as early as possible.

Childhood education (grades 1-6) is a collateral major. See the School of Education section of this catalog for requirements.
Required Biology Courses

- BIOL 10000, BIOL 10200  (9 credits)
- Courses approved by adviser selected from the 200 or 300 level  (17 credits)

Additional Math and Science Requirements for Major II

**CHEM 10000 - Essentials of General Chemistry Lecture**

GER 2/E
Essential facts, laws, and theories of general chemistry.
*Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*
4 hrs (3 lec, 1 rec)3 cr.

**CHEM 10100 - Essentials of General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
*Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec)1.5 cr.

**CHEM 12000 - Essentials of Organic Chemistry Lecture**

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.
*Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.*
prereq: CHEM 10000
4 hrs (3 lec, 1 rec)3 cr.

**CHEM 12100 - Essentials of Organic Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.
*Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.*
prereq: CHEM 10100 prereq or coreq: CHEM 12000
4 hrs (3 lab, 1 rec)1.5 cr.

**PHYS 10100 - Study of Selected Phenomena and Basic Concepts of Physics**

GER 2/E
Introductory one-semester physics course designed for non-science majors and others requiring a one-semester terminal course.
6 hrs (3 lec, 3 lab)4 cr.
PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

MATH 10400 - Mathematics for Elementary Education I

GER 1/B
Fundamental and relevant mathematics as recommended by the NCTM for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers and number theory. Required of students planning to teach in elementary schools. Not open to other students.
prereq: grade of C or better in MATH 10100 or appropriate score on the placement exam
3 hrs3 cr.

MATH 10500 - Mathematics for Elementary Education II

GER 1/B
Continuation of MATH 10400. Continuation of the content of the mathematics recommended by the NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence and similarity.
prereq: grade of C or better in MATH 10400
3 hrs3 cr.

Curriculum Guide for Major II

Year 1

Fall

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.

Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.

4 hrs (3 lec, 1 rec) 3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.

Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.

prereq or coreq: CHEM 10000

4 hrs (3 lab, 1 rec) 1.5 cr.

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.

CHEM 12000 - Essentials of Organic Chemistry Lecture

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.

Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.

prereq: CHEM 10000

4 hrs (3 lec, 1 rec) 3 cr.

CHEM 12100 - Essentials of Organic Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.

Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.

prereq: CHEM 10100 or coreq: CHEM 12000

4 hrs (3 lab, 1 rec) 1.5 cr.
Year 2

Fall

- BIOL electives

**PHYS 10100 - Study of Selected Phenomena and Basic Concepts of Physics**

GER 2/E
Introductory one-semester physics course designed for non-science majors and others requiring a one-semester terminal course.
*6 hrs (3 lec, 3 lab) 4 cr.*

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra.
*prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.*
*7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.*

**PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
*prereq: PHYS 11000 or 11100*
*7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.*

**MATH 10400 - Mathematics for Elementary Education I**

GER 1/B
Fundamental and relevant mathematics as recommended by the NCTM for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers and number theory. Required of students planning to teach in elementary schools. Not open to other students.
*prereq: grade of C or better in MATH 10100 or appropriate score on the placement exam*
*3 hrs 3 cr.*
- EDUC course(s)

Spring

- BIOL electives

**MATH 10500 - Mathematics for Elementary Education II**

GER 1/B
Continuation of MATH 10400. Continuation of the content of the mathematics recommended by the NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence and similarity.
prereq: grade of C or better in MATH 10400
3 hrs 3 cr.

- EDUC course(s)

Years 3 and 4

Fall and Spring

- BIOL electives
- EDUC course(s)

**Biological Sciences with Specialization in Biotechnology - Accelerated BA/MA**

In this five-year program, qualified biology majors begin graduate work as seniors and receive the MA one year after completing BA requirements. Students are provided with theoretical knowledge and skills in molecular biology and a foundation for application of these skills in careers in the biotechnology and pharmaceutical industries, academic research, or public health. Successful completion of the biotechnology workshop (BIOL 41000/610), an essential program component, entitles students to a summer internship in an industrial or private research laboratory. Interested biology majors should contact a departmental adviser as early as possible.

**Biological Sciences/Environmental and Occupational Health Sciences - Accelerated BA/MS**

This is an accelerated program leading to a BA in biology and an MS in environmental and occupational health sciences in five years. Biology majors admitted to the program start graduate work in their senior year. Interested students should contact a departmental adviser early in their undergraduate studies, as well as the office of the director of the Environmental and Occupational Health Sciences Program at the Brookdale Campus. The program provides biology majors with a career option in public health.

**Biological Sciences: Concentration in Behavioral Neurobiology**

Return to: Biological Sciences Major I

The concentration in Behavioral Neurobiology within the Department of Biological Sciences, one of the options for Major I, has the following required courses and schedule.

**Required Courses**

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 30200 - Molecular Genetics
GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.
MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs3 cr.

PSYCH 24800 - Statistical Methods in Psychological Research

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or or appropriate score on math placement exam
coreq: Writing Intensive
prereq: coreq: ENGL 12000
4 hrs4 cr.

PSYCH 25000 - Experimental Psychology: General
GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade;
PSYCH 24800 with a minimum grade of C
prereq or coreq: Writing Intensive
6 hrs (2 lec, 4 lab) 4 cr.

BIOL 47000 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 30000
2 hrs (lec) 2 cr. per sem.

BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 300
3 hrs (lec) 3 cr. per sem.

Electives

8 credits, 6 of which must be PSYCH

PSYCH 30000 - Physiological Psychology (B)

GER 3/B
Neural and endocrine mechanisms involved in learning, emotion, perception and other psychological processes.
PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 30100 - Sensation and Perception (B; C)

GER 3/B
Open to declared majors only. Methods, theories and empirical data relating to stimulus detection, encoding and perception as a function of variables including current stimuli and past history.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the
previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000

3 hrs3 cr.

**PSYCH 30900 - Sex and Behavior (B; D/S)**

GER 3/B PD/C
Research and attitudes about sex-related behavior in human and nonhuman animals emphasizing evolutionary and neuroendocrinological processes and social-psychological processes; male-female differences and similarities, therapeutic strategy in sex-behavior pathology and sexual behavior and the law.

*PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs3 cr.

**PSYCH 32700 - Motivation (B; C)**

GER 3/B
The problem of how behavior is initiated, maintained, directed and terminated. Human and non-human research evaluated.

*PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs3 cr.

**PSYCH 36900 - Drugs and Behavior (B)**

GER 3/B
Neurochemical substrate of brain functioning; historical context and social ramifications of drug use.

prereq: ENGL 12000, PSYCH 24900 or 25000, PSYCH 30000 or perm instr.
3 hrs3 cr.

**BIOL 37000 - Physiology of the Nervous System**

GER 3/B
A comprehensive introduction to neuroscience. Topics include how nerve cells (neurons) transmit electrical impulses, how neurons communicate with each other through synapses and how nerve pathways and networks determine many functions of the brain. The last portion of the course shall explore how developing neurons seek out targets and establish synapses.

prereq: BIOL 30000 or perm instr.
4 hrs (lec)4 cr.
spring only
BIOL 37600 - Endocrinology

GER 3/B
Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of metabolism and reproduction; integration of endocrine responses by the central nervous system.  
\textit{prereq: BIOL 20200 or perm instr.}  
3 hrs (lec) 3 cr.  
spring only

BIOL 38000 - Molecular Neurobiology

GER 3/B
Molecular components and molecular mechanisms involved in the cell biology of neurons and glia, neuronal signaling, neuronal development, learning, memory and diseases of the nervous system. 
\textit{prereq: BIOL 30000 or perm instr.}  
3 lec hrs 3 cr.  
fall alternate years

Total: 76 Credits

Schedule

A typical timetable for graduation is presented below.

Fall (Year 1) 11.5 credits

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.  
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.  
\textit{prereq: MATH 10100 or equivalent}  
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.  
fall only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.  
\textit{Primarily for pre-med, medical laboratory sciences and science majors.}  
\textit{prereq or coreq: MATH 12500, 12600 or equiv.}  
5 hrs (4 lec, 1 rec) 4 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

Spring (Year 1) 13.5 credits

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs 3 cr.

Fall (Year 2) 12 credits

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of
microorganisms and viruses. $10 materials fee required.

**prereq:** BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.
**coreq:** CHEM 22200, 22300 or perm instr.
(for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

### PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.

**prereq:** MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

### CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

**prereq:** prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

### Spring (Year 2) 12 credits

### CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

**prereq:** prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

### PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.

**prereq:** PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

### BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.

$10 materials fee required

**prereq:** BIOL 20000 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

spring only
Fall (Year 3) 8.5 credits

**BIOL 30000 - Biological Chemistry**

GER 3/B  
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.  
$10 materials fee required.  
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400  
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.  
fall only

**PSYCH 24800 - Statistical Methods in Psychological Research**

GER 3/B  
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.  

*PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.*)  

prereq: PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or or appropriate score on math placement exam  
coreq: Writing Intensiveprereq or coreq: ENGL 12000  
4 hrs4 cr.

Spring (Year 3) 10.5 credits

**BIOL 30200 - Molecular Genetics**

GER 3/B  
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.  
$10 materials fee required.  
prereq: BIOL 30000  
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.  
spring only

**PSYCH 25000 - Experimental Psychology: General**

GER 3/B  
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)
PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade; PSYCH 24800 with a minimum grade of C

prereq or coreq: Writing Intensive

6 hrs (2 lec, 4 lab)4 cr.

PSYCH 30000 - Physiological Psychology (B)

GER 3/B

Neural and endocrine mechanisms involved in learning, emotion, perception and other psychological processes.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000, PSYCH 24900 or 25000

3 hrs3 cr.

Fall (Year 4) 6 credits

BIOL 37600 - Endocrinology

GER 3/B

Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of metabolism and reproduction; integration of endocrine responses by the central nervous system.

prereq: BIOL 20200 or perm instr.

3 hrs (lec)3 cr.

Spring only

PSYCH 36900 - Drugs and Behavior (B)

GER 3/B

Neurochemical substrate of brain functioning; historical context and social ramifications of drug use.

prereq: ENGL 12000, PSYCH 24900 or 25000, PSYCH 30000 or perm instr.

3 hrs3 cr.

Spring (Year 4) 2 credits

BIOL 47000 - Special Topics in Biology

GER 3/B

Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

prereq: BIOL 30000

2 hrs (lec)2 cr. per sem.

Biological Sciences: Concentration in Bioinformatics

Return to: Biological Sciences Major I
The requirements and schedule for the Concentration in Bioinformatics, one of the options in Biological Sciences Major I, are as follows:

**Required Courses**

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D

The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

 prerequisites: MATH 10100 or equivalent

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D

Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

 prerequisites: BIOL 10000 or perm instr, MATH 10100 or equiv.

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

**BIOL 20000 - Cell Biology I: Microorganisms**

GER 3/B

Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.

$10 materials fee required.

 prerequisites: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

**BIOL 20200 - Cell Biology II: Eucaryotic Systems**

GER 3/B

Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.

$10 materials fee required

 prerequisites: BIOL 20000.coreq: CHEM 22400 or perm instr.

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

**BIOL 30000 - Biological Chemistry**
GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. 
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. 
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory. 
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

CHEM 22200 - Organic Chemistry Lecture I
GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

STAT 21200 - Discrete Probability

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound
GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

Electives (10 credits)

ANTHP 30200 - Human Genetics

Analysis of distribution of contemporary human populations and microevolutionary processes that underlie human variability
prereq: ANTHP 10100, 10200, or BIOL 10200
3 hrs 3 cr.

CHEM 38800 - Topics of Current Interest in Chemistry

GER 3/B
Offered subject to adequate student interest and enrollment. Taught by specialists from department faculty. The specific topic will be listed in the schedule of classes for a given semester.

prereq or coreq: CHEM 35200 and CHEM 35600 or perm instr.
3 hrs 3 cr.

BIOL 42500 - Computational Molecular Biology
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of *in silico* biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and prediction of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting. Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

*prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.*

**BIOL 47100 - Special Topics in Biology**

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

*prereq: BIOL 300
3 hrs (lec)3 cr. per sem.*

**Total Credits (72 to 74 credits)**

**Schedule**

A typical timetable for graduation is presented below.

**Fall (Year 1) 11.5 credits**

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

*S$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only*

**CHEM 10200 - General Chemistry I**

GER 2/E
An in-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

*Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.*

**MATH 15000 - Calculus with Analytic Geometry I**
GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
\textit{prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.}
4 hrs4 cr.

Spring (Year 1) 14.5 credits

**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
\$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
\textit{prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.}
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
\textit{Primarily for premed, medical laboratory sciences and science majors.}
\textit{prereq: CHEM 10200 or CHEM 10000 with perm chair}
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
\textit{Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.}
\textit{prereq: CHEM 10200}
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
\textit{prereq: grade of C or better in MATH 15000}
4 hrs4 cr.

Fall (Year 2) 12 credits

**BIOL 20000 - Cell Biology I: Microorganisms**

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of
Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses. $10 materials fee required.

prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv. coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

fall only

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prereq for CHEM 22200: CHEM 10400

5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra.

prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.

7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

Spring (Year 2) 7.5 credits

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prereq for CHEM 22400: CHEM 22200

5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

**PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.

prereq: PHYS 11000 or 11100

7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

Fall (Year 3) 10.5 credits

**BIOL 30000 - Biological Chemistry**

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.

$10 materials fee required.
CSCI 13200 - Practical UNIX and Programming, with Lab

GER 2/E
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition.

This course cannot be counted towards the CSCI major.

prereq: none

3 hrs 3 cr.

STAT 21200 - Discrete Probability

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.

3 hrs 3 cr.

Spring (Year 3) 6 credits

CSCI 23200 - Relational Databases and SQL Programming, with Lab

GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.

Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.

prereq: CSCI 13200

3 hrs 3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.

3 hrs 3 cr.

Fall (Year 4) 5 credits
BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 300
3 hrs (lec) 3 cr. per sem.

Spring (Year 4) 5 credits

ANTHP 30200 - Human Genetics

Analysis of distribution of contemporary human populations and microevolutionary processes that underlie human variability
prereq: ANTHP 10100, 10200, or BIOL 10200
3 hrs 3 cr.

BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 300
3 hrs (lec) 3 cr. per sem.

Biological Sciences: Concentration in Biophysics

Return to: Biological Sciences Major I

The requirements and timetable for graduation for the Concentration in Biophysics, one of the options in the Biological Sciences Major I, are as follows:

Required Courses

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II
GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.
MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs4 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100 or prereq or coreq: PHYS 25000
4 hrs4 cr.

PHYS 33600 - Thermodynamics and Statistical Mechanics

Study of fundamental ideas of heat, reversibility, and entropy. Introduction to statistical nature of some physical laws.
prereq: PHYS 12000 or 12100; MATH 25000
4 hrs4 cr.

PHYS 42000 - Introduction to Biophysics

A comprehensive introduction to the interface between physics and biology and the application of the techniques of physics to understanding biological systems, focusing on developing an understanding of the thermodynamics of living systems, on the physical kinematics of macromolecules and other biological structures and on the theory of physical techniques that are used in the study of biological systems.
Electives (any 2)

**BIOL 39000 - Laboratory in Cell Structure**

GER 3/B  
Applications of light and electron microscopy to study of cell structure and function. Lab projects utilize thin sectioning, negative staining, scanning, darkroom printing, digital imaging and other techniques.  
_prereq or coreq: BIOL 30000 or BIOL 20200 and perm instr._  
5 hrs (1 lec/demo, 4 lab) 3 cr.  
fall only

**BIOL 47000 - Special Topics in Biology**

GER 3/B  
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.  
_prereq: BIOL 30000_  
2 hrs (lec) 2 cr. per sem.

**MATH 25400 - Ordinary Differential Equations**

GER 3/B  
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.  
_prereq: MATH 25000_  
3 hrs 3 cr.

Total Credits (77.5 to 79.5 credits)

Schedule

A typical timetable for graduation is presented below.

**Fall (Year 1) 11.5 credits**

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D  
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.  
_$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200._  
_prereq: MATH 10100 or equivalent_  
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.  
fall only
CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec)4 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*
4 hrs4 cr.

Spring (Year 1) 14.5 credits

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
*$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.*
*prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.*
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
*spring only*

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 10200*
*coreq: CHEM 10400*
8 hrs (6 lab, 2 rec)3 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series,
improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

Fall (Year 2) 13 credits

**BIOL 20000 - Cell Biology I: Microorganisms**

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.

$10 materials fee required.

prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.

coreq: CHEM 22200, 22300 or perm instr.

(for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prereq for CHEM 22200: CHEM 10400

5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

prereq or coreq: coreq (with perm dept.): MATH 15000

8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

Spring (Year 2) 12.5 credits

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prereq for CHEM 22400: CHEM 22200

5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

**MATH 25000 - Calculus with Analytic Geometry III**

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

prereq: MATH 15500

4 hrs 4 cr.
PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

Fall (Year 3) 8.5 credits

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100prereq or coreq: MATH 25000
4 hrs4 cr.

Spring (Year 3) 8.5 credits

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

PHYS 33600 - Thermodynamics and Statistical Mechanics

Study of fundamental ideas of heat, reversibility, and entropy. Introduction to statistical nature of some physical laws.
prereq: PHYS 12000 or 12100; MATH 25000
4 hrs4 cr.

Fall (Year 4) 4 credits
PHYS 42000 - Introduction to Biophysics

A comprehensive introduction to the interface between physics and biology and the application of the techniques of physics to understanding biological systems, focusing on developing an understanding of the thermodynamics of living systems, on the physical kinematics of macromolecules and other biological structures and on the theory of physical techniques that are used in the study of biological systems.

prereq or coreq: PHYS 33000, PHYS 33600, BIOL 30000, CHEM 37600.

4 hrs4 cr.

Spring (Year 4) 5 credits

BIOL 39000 - Laboratory in Cell Structure

GER 3/B
Applications of light and electron microscopy to study of cell structure and function. Lab projects utilize thin sectioning, negative staining, scanning, darkroom printing, digital imaging and other techniques.

prereq or coreq: BIOL 30000 or BIOL 20200 and perm instr.

5 hrs (1 lec/demo, 4 lab)3 cr.
fall only

BIOL 47000 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

prereq: BIOL 30000

2 hrs (lec)2 cr. per sem.

Medical Laboratory Sciences with Specialization in Biotechnology - Accelerated BS/MA

See the Medical Laboratory Sciences section.

Chemistry

About the Department

The Department of Chemistry offers courses to prepare the science major for professional work and further study in chemistry and other fields of pure and applied science. Courses for the non-science major are designed to present those essentials of chemical fact and theory which will contribute to the student’s understanding of present-day scientific knowledge.

Programs and Course

Program and Courses in Chemistry
Administration and Faculty

Department Office:

1307 North
(212) 772-5330
Web site: http://www.hunter.cuny.edu/chemistry

Chair:

Hiroshi Matsui
1319 North
(212) 650-3918
hmatsui@hunter.cuny.edu

Faculty

Chemistry Faculty

HEGIS Code: 1905

Chemistry - BA

Major

There are two chemistry majors: Major I, a 43-credit concentration in addition to an 11-credit general chemistry core, is designed to prepare the students with intensive training for professional research and graduate study. Major II consists of three options: Option 1 for students interested in the chemical industry; Option 2 (the biochemistry option) for students interested in the pharmaceutical industry, medicine, dentistry, veterinary medicine or physical therapy; Option 3 (bioinformatics option) for students interested in graduate studies in biochemistry and bioinformatics as well as pharmaceutical and biotechnology industry. Major II includes a minimum concentration of 28 credits (option 1), 26 credits (option 2), and 20.5 credits (option 3) in 200-level and above chemistry courses, in addition to an 11-credit general chemistry core. Options 1-3 are all appropriate for students pursuing teacher education programs.

Students considering a chemistry major should consult the departmental adviser during their first semester to plan the proper sequence of courses, and they are urged to consult with the adviser at least once each succeeding semester. A year of General Chemistry and the accompanying General Chemistry Laboratory are prerequisites for admission to both Major I and Major II.

- Chemistry Major I
- Chemistry Major II

Minor in Chemistry

A minor in Chemistry consists of a pre-requisite year of General Chemistry with laboratory and a minimum of 16 credits of coursework.

Prerequisite year of General Chemistry (note that MATH 12500 is a prerequisite to General Chemistry)
CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. 
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. 
*Primarily for premed, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10500 - General Chemistry Laboratory II

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis. 
*Offered for transfer students who have completed only one semester of General Chemistry Laboratory.*
*prereq: One semester of General Chemistry Laboratory; prereq or coreq: CHEM 10400*
4 hrs (3 lab, 1 rec)1.5 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory. 
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 10200*
*coreq: CHEM 10400*
8 hrs (6 lab, 2 rec)3 cr.

and a minimum of 16 credits of coursework which include the following required courses:

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms. 
*prereq: prereq for CHEM 22200: CHEM 10400*
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy. 
*prereq: CHEM 10500*
prereq or coreq: CHEM 22200
5 hrs 2.5 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms. 
prereq: CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

In addition, students will be required to take at least 5.5 credits of electives selected from Chemistry offerings numbered 200 or above, excluding

CHEM 29101 - Chemical Investigations

GER 3/B
Original chemical investigations under supervision of faculty member. Written report required. Enrollment for maximum of two semesters.

prereq: CHEM 22400, perm chair
4 hrs 1 cr.

Honors Work

Opportunity for an individual research experience is provided by an honors course

CHEM 49101 - Introduction to Research

GER 3/B
Open to Jr/Sr only. Similar to CHEM 29101. Written report required. Fulfills requirement for departmental honors course.

prereq: CHEM 22400, 35400, 34900, perm chair
4 hrs 1 cr.

CHEM 49102 - Introduction to Research

GER 3/B
Open to Jr/Sr only. Similar to CHEM 29102. Written report required. Fulfills requirement for departmental honors course.

prereq: CHEM 22400, 35400, 34900, perm chair
8 hrs 2 cr.

Electives

Advanced lecture courses in special areas of chemistry, and lab courses providing training in inorganic and organic chemistry and in research techniques, are offered as electives for Major I and are open to students enrolled in Major II who have fulfilled the course prerequisites.
Graduate Study

Qualified chemistry majors may be admitted to 700-level courses in the graduate program. Permission of the department is required.

Preparation for Teaching

In cooperation with the School of Education, the Department of Chemistry provides opportunities for students to prepare for careers in teaching at the elementary and secondary level in the area of chemistry. Chemistry Major II, Option I (35 credits) and Option 2 (33 credits) both satisfy the requirements for New York State certification for teachers of chemistry in Childhood Education (Grades 1-6) and Adolescent Education (Grades 7-12). For students pursuing certification as chemistry teachers at the secondary level, the 23-credit adolescent education sequence is appropriate. Students who want to qualify for New York City licensing and New York State certification for teaching in secondary schools should consult the School of Education section of this catalog for additional requirements.

Chemistry Major I

Return to Program and Courses in Chemistry

General Chemistry Core:

One year of General Chemistry Lecture and Laboratory.

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.
CHEM 11100 - Chemical Principles

GER 2/E
In-depth introduction to chemical principles including measurement, stoichiometric calculations, inorganic nomenclature, gas laws, equilibrium, acids, bases and buffers. Emphasis is placed on problem-solving, oral presentations, and collaborative work. Laboratory and coursework emphasize analysis and evaluation of data.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500 or equiv, MATH 12600*
*10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop) 5.5*
*offered fall*

CHEM 11200 - Thermodynamics and Solution Chemistry

GER 2/E
The study of quantum theory, atomic structure, periodic properties of the elements, kinetics, electrochemistry, and thermodynamics.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 11100*
*10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop) 5.5 offered spring*

The major consists of a minimum of 43 credits

The requirements for this major consist of a minimum of 43 credits in chemistry. This major is recommended for students preparing for admission to graduate school or for careers in chemical research. It will also be useful to students seeking a position in the chemical or allied industries, as it is accredited by the Committee on Professional Training of the American Chemical Society.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
*prereq: prereq for CHEM 22200: CHEM 10400*
*5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.*

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.
*prereq: CHEM 10500*
*prereq or coreq: CHEM 22200*
*5 hrs 2.5 cr.*

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
CHEM 22500 - Organic Chemistry Laboratory II

GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
prereq or coreq: CHEM 22400
5 hrs2.5 cr

CHEM 24900 - Quantitative Analysis

GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of quantitative analysis such as pH and metal ion titrations, spectroscopic analysis including gas chromatography, electronic absorption, and fluorescence.

prereq: CHEM 10400, 10500
5 hrs (4 lab, 1 rec)3 cr.

CHEM 34900 - Instrumental Analysis

GER 3/B
Principles of modern instrumental techniques; emphasis on spectroscopic and electrometric methods.

prereq: CHEM 35400 or 35600 with 35500
8 hrs (2 lec, 6 lab)5 cr

CHEM 35200 - Physical Chemistry I

GER 3/B
Ideal and real gases. Laws of thermodynamics with applications to properties of solutions and phase equilibria in general.

prereq: CHEM 24900, MATH 15500, PHYS 12100
3 hrs3 cr.
offered fall

CHEM 35400 - Physical Chemistry II - F

GER 3/B
Selected topics from statistical thermodynamics, electrochemistry, kinetic theory and rate processes.

prereq: CHEM 35200, MATH 25000
3 hrs3 cr.
offered fall

-or-
CHEM 35600 - Physical Chemistry II - S

GER 3/B
Selected topics from quantum chemistry, molecular structure, and spectroscopy.

*prereq: PHYS 12100, CHEM 24900, MATH 15500
3 hrs 3 cr.
offered spring

CHEM 35500 - Physical Chemistry Laboratory I

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35200 on chemical systems.

*prereq: CHEM 24900
*prereq or coreq: CHEM 35200
3 hrs 1.5 cr.
offered fall

CHEM 35700 - Physical Chemistry Laboratory II

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35600 on chemical systems.

*prereq: CHEM 24900 or perm chair
*prereq or coreq: CHEM 35600
3 hrs 1.5 cr.
offered spring

CHEM 36600 - Inorganic Chemistry

GER 3/B
Treatment of structure, bonding and reactivity of inorganic compounds.

*prereq: CHEM 35200
3 hrs 3 cr.

CHEM 37600 - Biochemistry I

GER 3/B
Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

*prereq: CHEM 22400
4 hrs (3 lec, 1 rec) 3 cr.
offered fall

CHEM 39000 - Current Laboratory Methods in Chemistry
GER 3/B
Offered subject to adequate student interest and enrollment. Taught by specialists from department faculty. The specific topic will be listed in the schedule of classes for a given semester.

*prereq or coreq: CHEM 35700 or perm instr.*
4 hrs 2 cr.

One further laboratory course must be chosen from (research), (honors research) or the following

**CHEM 29102 - Chemical Investigations**

GER 3/B

Original chemical investigations under supervision of faculty member. Written report required. Enrollment for maximum of two semesters.

*prereq: CHEM 22400, perm chair*
8 hrs 2 cr.

-or-

**CHEM 49102 - Introduction to Research**

GER 3/B

Open to Jr/Sr only. Similar to CHEM 29102. Written report required. Fulfills requirement for departmental honors course.

*prereq: CHEM 22400, 35400, 34900, perm chair*
8 hrs 2 cr.

-or-

**CHEM 37800 - Biochemistry Laboratory**

GER 3/B

A set of laboratory experiments, performed by individual students, covering important areas of biochemistry such as protein analysis, enzyme purification, enzymatic assays, recombinant DNA and the polymerase chain reaction.

*prereq: CHEM 22300 and CHEM 37600 or CHEM 64000*
5 hrs (4 lab, 1 rec) 3 cr.

In addition, one additional lecture course must be chosen from among the following:

**CHEM 32200 - Organic Chemistry Lecture III**

GER 3/B

Selected topics such as advanced synthesis, reaction mechanisms, MO theory, natural products, NMR spectroscopy.
CHEM 35400 - Physical Chemistry II - F

GER 3/B
Selected topics from statistical thermodynamics, electrochemistry, kinetic theory and rate processes.

prereq: CHEM 35200, MATH 25000
3 hrs3 cr.
offered fall

CHEM 35600 - Physical Chemistry II - S

GER 3/B
Selected topics from quantum chemistry, molecular structure, and spectroscopy.

prereq: PHYS 12100, CHEM 24900, MATH 15500
3 hrs3 cr.
offered spring

CHEM 37700 - Biochemistry II

GER 3/B
Biosynthesis of lipids, amino acids, carbohydrates. Muscle contraction, hormones, immune response, DNA sequencing.

prereq: CHEM 37600 or BIOL 30000 or perm instr.
3 hrs3 cr.
offered spring

Also acceptable for completion of Major I are

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100prereq or coreq: MATH 25000
4 hrs4 cr.
-or-

PHILO 36200 - Theory of Knowledge (W)

GER 3/A
Study of origin, structure, methods and foundations of human knowledge.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.
-or-

PHILO 37900 - Philosophy of Science (W)
GER 3/B
Study of foundations of knowledge in natural and social sciences.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

Additional Information

Students should be aware, however, that if either of the philosophy courses is used to complete the Major I requirements, the major will not be eligible for accreditation by the American Chemical Society.

One year of physics, and four semesters of mathematics, are also required for this major

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs 4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs 3 cr.
- or -

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
prereq: MATH 15600 or prerequisite: MATH 25000
4 hrs 4 cr.

Additional Information

CHEM 24900, MATH 15000 and MATH 15500, and PHYS 12100 are prerequisites for CHEM 35200 and should be completed by the end of the sophomore year.

Major I is required of all students who wish to be considered for certification by the American Chemical Society upon graduation. It is recommended for all students intending to enter the profession of chemistry through either graduate study or employment in industry or government. Students who can attend only in the evenings should consult the department adviser regarding the feasibility of completing Chemistry Major I.

Chemistry Major II

Return to Programs and Courses in Chemistry

General Chemistry Core:

One year of General Chemistry Lecture and Laboratory

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*

prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.
  or its equivalent
  -or-

**CHEM 11100 - Chemical Principles**

GER 2/E
In-depth introduction to chemical principles including measurement, stoichiometric calculations, inorganic nomenclature, gas laws, equilibrium, acids, bases and buffers. Emphasis is placed on problem-solving, oral presentations, and collaborative work. Laboratory and coursework emphasize analysis and evaluation of data.
*Primarily for pre-med, medical laboratory sciences and science majors.*

prereq or coreq: MATH 12500 or equiv, MATH 12600
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5 offered fall

**CHEM 11200 - Thermodynamics and Solution Chemistry**

GER 2/E
The study of quantum theory, atomic structure, periodic properties of the elements, kinetics, electrochemistry, and thermodynamics.
*Primarily for pre-med, medical laboratory sciences and science majors.*

prereq: CHEM 11100
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5 offered spring

**Option 1:**

For students interested in a career in the chemical industry. It consists of a minimum of 28 credits in chemistry above the introductory level and an 11-credit general chemistry core for a minimum total of 39 credits of chemistry. One year of physics and three semesters of calculus are also required.

**Required chemistry courses:**

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prerequisite for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs 2.5 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prerequisite for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

CHEM 22500 - Organic Chemistry Laboratory II

GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 2200, 22300
prereq or coreq: CHEM 22400
5 hrs 2.5 cr.

CHEM 24900 - Quantitative Analysis

GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of quantitative analysis such as pH and metal ion titrations, spectroscopic analysis including gas chromatography, electronic absorption, and fluorescence.

prereq: CHEM 10400, 10500
5 hrs (4 lab, 1 rec) 3 cr.

CHEM 35200 - Physical Chemistry I

GER 3/B
Ideal and real gases. Laws of thermodynamics with applications to properties of solutions and phase equilibria in general.

prereq: CHEM 24900, MATH 15500, PHYS 12100
3 hrs 3 cr.
offered fall

CHEM 35400 - Physical Chemistry II - F
GER 3/B
Selected topics from statistical thermodynamics, electrochemistry, kinetic theory and rate processes.

prereq: CHEM 35200, MATH 25000
3 hrs 3 cr.
offered fall

-or-

CHEM 35600 - Physical Chemistry II - S

GER 3/B
Selected topics from quantum chemistry, molecular structure, and spectroscopy.

prereq: PHYS 12100, CHEM 24900, MATH 15500
3 hrs 3 cr.
offered spring

CHEM 35500 - Physical Chemistry Laboratory I

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35200 on chemical systems.

prereq: CHEM 24900
prereq or coreq: CHEM 35200
3 hrs 1.5 cr.
offered fall

CHEM 35700 - Physical Chemistry Laboratory II

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35600 on chemical systems.

prereq: CHEM 24900 or perm chair
prereq or coreq: CHEM 35600
3 hrs 1.5 cr.
offered spring

Required elective course:

- Any chemistry course at the 300 level or above excluding CHEM 49101.

Required allied courses:

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.
MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs 4 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

Option 2 (Biochemistry option):
For students preparing for admission to medical, dental, veterinary schools or physical therapy programs, or for students interested in a career in the pharmaceutical industry. It consists of a minimum of 26 credits above the introductory level and an 11-credit general chemistry core for a minimum total of 37 credits of chemistry. One year of physics, one year of biology and one year of calculus are also required.

Required chemistry courses:

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

CHEM 22300 - Organic Chemistry Laboratory I
GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs2.5 cr.

CHEM 22400 - Organic Chemistry Lecture II
GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prerequisite for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

CHEM 22500 - Organic Chemistry Laboratory II
GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
prereq or coreq: CHEM 22400
5 hrs2.5 cr

CHEM 35000 - Biophysical Chemistry
GER 3/B
Essential physical chemical principles as applied to biological problems. Emphasis on kinetics, thermodynamics, and equilibria.

prereq: CHEM 22400, BIOL 10200, MATH 15000
5 hrs (4 lec, 1 rec) 4 cr
offered fall

CHEM 37600 - Biochemistry I
GER 3/B
Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

prereq: CHEM 22400
4 hrs (3 lec, 1 rec) 3 cr.
offered fall

CHEM 37800 - Biochemistry Laboratory
GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of biochemistry such as protein analysis, enzyme purification, enzymatic assays, recombinant DNA and the polymerase chain reaction.

prereq: CHEM 22300 and CHEM 37600 or CHEM 64000
5 hrs (4 lab, 1 rec) 3 cr.
Required elective course:

- Any chemistry course at the 200-level or above (excluding CHEM 29101 and CHEM 29500)

-or-

**BIOL 20000 - Cell Biology I: Microorganisms**

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.

$10 materials fee required.

*prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.*

*coreq: CHEM 22200, 22300 or perm instr.*

(for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

fall only

-or-

**BIOL 20200 - Cell Biology II: Eucaryotic Systems**

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.

$10 materials fee required

*prereq: BIOL 20000*

*coreq: CHEM 22400 or perm instr.*

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

spring only

Required allied courses:

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

*prereq: MATH 10100 or equivalent*

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

fall only

**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

*prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.*
MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

Option 3 (Bioinformatics option):

For students interested in graduate studies in biochemistry and bioinformatics as well as the pharmaceutical and biotechnology industry. In order to enroll in this Option, students must earn an average grade of B- or above in CHEM 10400, CHEM 22200, BIOL 10000, and MATH 15000. In addition, no more than one C grade is allowed in these four courses to declare Option 3. This option consists of a minimum of 20.5 credits above the introductory level and an 11-credit general chemistry core for a minimum total of 32 credits of chemistry. Three semesters of biology, one year of physics, one year of computer science, one year of calculus, and one semester of statistics are also required.

Required chemistry courses:

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
CHEM 22500 - Organic Chemistry Laboratory II

GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
5 hrs (4 lec, 1 rec)4 cr

CHEM 35000 - Biophysical Chemistry

GER 3/B
Essential physical chemical principles as applied to biological problems. Emphasis on kinetics, thermodynamics, and equilibria.

prereq: CHEM 22400, BIOL 10200, MATH 15000
5 hrs (4 lec, 1 rec)4 cr
offered fall

CHEM 37600 - Biochemistry I

GER 3/B
Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

prereq: CHEM 22400
4 hrs (3 lec, 1 rec)3 cr.
offered fall

CHEM 37700 - Biochemistry II

GER 3/B
Biosynthesis of lipids, amino acids, carbohydrates. Muscle contraction, hormones, immune response, DNA sequencing.

prereq: CHEM 37600 or BIOL 30000 or perm instr.
3 hrs3 cr.
offered spring

Required allied courses:

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
S$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

CSCI 13200 - Practical UNIX and Programming, with Lab

GER 2/E
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition.
This course cannot be counted towards the CSCI major.

prereq: none
3 hrs 3 cr.

CSCI 23200 - Relational Databases and SQL Programming, with Lab

GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.

Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.

prereq: CSCI 13200
3 hrs 3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

Chemistry/Adolescent Education: Chemistry - BA/MA

An accelerated program leading to a BA in Chemistry and an MA in Adolescent Education: Chemistry. Undergraduates admitted to the program start graduate courses during their senior year and will be able to complete the MA degree one year after they complete the requirements for the BA degree. Students interested in the program should speak to a chemistry department adviser during their sophomore year to review the curriculum path for the five-year program. A minimum of 134 credits is required for the dual degree.

Classical and Oriental Studies

About the Department

The Department of Classical and Oriental Studies offers programs in: Arabic, Chinese Language and Literature, Classics, Hebrew, Japanese, and Russian and Slavic Studies.

Department Chair

Tamara M. Green
1425 West
(212) 772-5061
tgreen@hunter.cuny.edu

Arabic Language, Literature, and Culture
A Division of the Department of Classical and Oriental Studies

Here at Hunter we teach Arabic as the living language used on a daily basis by more than two hundred million people, from Morocco in the west of the Arab world to Oman in the east. We focus on both formal — usually referred to as Modern Standard Arabic (MSA) or Fusha — and informal Arabic. We do this via a communicative approach. In other words, instead of focusing on the translation of written texts, as Arabic has traditionally been taught, we teach our students how to read, speak, write and aurally comprehend the different registers of the language. We offer a 6-course sequence of language courses and a growing number of culture courses taught in English. Four semesters of Arabic or the equivalent fulfills the language requirement of Hunter. We also offer two minors: Arabic and Arabic Studies.

Programs and Courses

Arabic Programs and Courses

Faculty and Administration

Division Head: Christopher Stone email: cst@hunter.cuny.edu
Division Office: 1303 Hunter West (212) 650-3138
Web site: http://www.hunter.cuny.edu/classics/arabic/

Chinese Language and Literature

A Division of the Department of Classical and Oriental Studies

The Chinese Division of the Department of Classical and Oriental Studies offers language courses in Modern Chinese (Mandarin) and Classical Chinese as well as courses taught in English on traditional and modern Chinese literature and culture. The program, which offers a major and minor, focuses on language acquisition and literacy development to help students attain professional language proficiency. It also introduces students to the civilization of China. Students are encouraged to take interdisciplinary courses in Chinese art, economics, history, political science and religion to develop a deeper understanding of past and present China. The program prepares students for further studies in graduate school and professional careers in international trade, education, government service, diplomacy, private business, journalism and related fields.

Programs and Courses

Chinese Language and Literature BA

Faculty and Administration

Division Head: Der-Lin Chao (212) 772-4965 email: dchao@hunter.cuny.edu
Division Office: 1429 West (212) 772-4960
Web site: http://www.hunter.cuny.edu/classics/chinese/
Hegis Code: 1107

Classics

A Division of the Department of Classical and Oriental Studies
The civilizations of ancient Greece and Rome have had a profound influence on the development of our own culture. The various expressions of human experience that are revealed through our literature and art, in our political and social institutions, and even in our language, all show the impact of the legacy of the classical world.

The Classics Division of the Department of Classical and Oriental Studies offers a full range of studies in the worlds of ancient Greece, Rome, and the Mediterranean, from a single course in myth or etymology to majors in Greek, Latin, classical archaeology, or classical studies. Students who want to know about the classical world without learning its languages can choose from a variety of courses in civilization, literature in translation, myth and religion, and archaeology. In addition, the division participates in Hunter’s interdepartmental programs in religion, comparative literature, archaeology, and women and gender studies.

Careers in research, government and education use skills developed in classical studies, and a major in classics provides an excellent foundation for many professional programs such as law. In addition, specialized careers—such as college and high school teaching, museum work, and archival research—are open to professional classicists and archaeologists.

Programs and Courses

- Greek - BA
- Latin - BA
- Greek and Latin - BA
- Classical Studies - BA
- Classical Archaeology (Interdepartmental) - BA

Faculty and Administration

Division Office: 1425 West (212) 772-4960
Division Head: Robert Koehl
Web site: http://www.hunter.edu/classics
HEGIS Codes: 1110 (Greek); 1109 (Latin); 1504 (Latin and Greek); 1504 (Classical Studies); 2203 (Archaeology)

Hebrew

A Division of the Department of Classical and Oriental Studies

The Hebrew Division of the Department of Classical and Oriental Studies offers a program of Hebrew language, literature and culture spanning the ancient through the modern periods. This program is designed to develop language skills, cultivate a critical appreciation of Hebraic and Judaic literature and thought and promote an understanding of Jewish cultural tradition against the background of world civilization. These courses may be applied to satisfy foreign language and other components of the General Education Requirement as well as to fulfill major and minor concentrations.

This curriculum also meets the special needs of students majoring in other disciplines for courses dealing with the Hebraic or Judaic elements and influences on European culture. The wide variety of course offerings, covering the entire range of Hebraic and Judaic culture from early Biblical times to modern Israel, enables students to concentrate their attention on one major period, to aim for an overall proficiency or to strive for both objectives simultaneously.

Programs and Courses
Faculty and Administration

Division Office: 1329 Hunter West; (212) 772-5107
Division Head: Yitzak Berger
Web site: http://www.hunter.cuny.edu/classics/hebrew
HEGIS Code: 1111

Japanese Language and Culture

Japanese is one of the languages that can be used to meet the Foreign Language requirement of the GER. The Japanese culture courses offered meet PD/A.

Japanese Language/Culture Courses

Russian and Slavic Studies

A Division of the Department of Classical and Oriental Studies

The Russian and Slavic Studies division of the Department of Classical and Oriental Studies offers a rich curriculum designed for students who seek competence in spoken and written Russian and a solid background in and knowledge of Russian literature and culture. The division also offers courses in two related Slavic languages, Polish and Ukrainian.

Courses in the division are recommended to students from other disciplines who want to master the Russian language as a research tool or who seek to learn about Russian literature in translation. The important contributions being made by Russian scholars in chemistry, biology, mathematics and other related fields make the study of Russian especially valuable to science majors.

Russian majors find employment in U.S. governmental agencies, the United Nations, broadcasting, banking, international commerce, education, library services and other fields.

Programs and Courses

Russian - BA

Faculty and Administration

Division Office: 1330 Hunter West; (212) 772-5060/5059
Division Head: Nadya Peterson  email:npeterso@hunter.cuny.edu
Web site: http://www.hunter.cuny.edu/classics/russia/
HEGIS Code: 1106

Faculty for All Divisions of Classical and Oriental Studies
Two minors are offered by the Arabic Language, Literature, and Culture Division of the Department of Classical and Oriental Studies: Arabic and Arabic Studies.

**Minor in Arabic**

The minor in Arabic requires the successful completion of

**ARB 20100 - Intermediate Arabic I**

Emphasis placed on reading materials from Arabic media, and expanding vocabulary and grammar skills.

*prereq: ARB 10200 or equiv.*

3 hrs 3 cr.

**ARB 20200 - Intermediate Arabic II**

Continuation of ARB 20100.

*prereq: ARB 20100 or equiv.*

3 hrs 3 cr.

**ARB 30100 - Advanced Arabic I**

Emphasis on increased proficiency in reading, speaking and writing Arabic

*prereq: ARB 20200 or equiv.*

3 hrs 3 cr.

**ARB 30200 - Advanced Arabic II**

Continuation of ARB 30100

*prereq: ARB 30100 or equiv.*

3 hrs 3 cr.

or their equivalent as determined by the Arabic Program Head.

**ARB 14900 - Spoken Egyptian Arabic**

The goal of this course is to teach students oral communication in the Egyptian dialect, as well as to impart cultural knowledge relevant to a student living in or visiting Egypt. This course is closed to native speakers of Arabic.

*prereq: ARB 10200 and permission of instructor*  
3 hours 3 credits

can be taken in lieu of ARB 30200

The prerequisite for the minor is successful completion of ARB 10100 and 10200 (8 credits).

**Arabic Studies Minor**
The Arabic Studies Minor requires the successful completion of 4 ARB courses on cultural or literary topics taught in English or in Arabic. Up to 2 Arabic language courses may be used to fulfill the minor requirements in lieu of two culture or literature courses.

The prerequisite for the minor is successful completion of ARB 10100 and ARB 10200 (8 credits).

### Arabic Courses

**ARB 10100 - Beginning Arabic I**

Introduction to reading, speaking, listening, writing both formal and informal Arabic.  
10100 not credited without 10200. *This class is not for native speakers.*  
4 hrs 4 cr.

**ARB 10200 - Beginning Arabic II**

Continuation of ARB 10100.  
*This class is not for native speakers.*  
prereq: ARB 10100 or equiv.  
4 hrs 4 cr.

**ARB 14900 - Spoken Egyptian Arabic**

The goal of this course is to teach students oral communication in the Egyptian dialect, as well as to impart cultural knowledge relevant to a student living in or visiting Egypt. This course is closed to native speakers of Arabic.  
prereq: ARB 10200 and permission of instructor  
3 hours 3 credits

**ARB 20000 - Topics in Arabic Literature and Culture**

This course will focus on a variety of topics related to the literatures and cultures of the Arab World. Readings in translation. Specific information on a particular semester's offerings can be found on the on-line class schedule.  
prereq: ENGL 12000 or equivalent  
3 hours 3 credits

**ARB 20100 - Intermediate Arabic I**

Emphasis placed on reading materials from Arabic media, and expanding vocabulary and grammar skills.  
prereq: ARB 10200 or equiv.  
3 hrs 3 cr.

**ARB 20200 - Intermediate Arabic II**

Continuation of ARB 20100.  
prereq: ARB 20100 or equiv.  
3 hrs 3 cr.

**ARB 25000 - The Arab Novel (in translation) (W)**
GER 2C, PD/A
A consideration of Arab novels as a source for understanding issues such as urbanization, war, imperialism, nationalism, gender, as well as the politics of translation.
prereq: ENG 22000 or equiv.
3 hrs 3 cr.

ARB 25100 - Arab Cinema (in translation)
GER 2/D, PD/A
This course will introduce students to the history of Arab Cinema through readings and weekly screenings of films from all over the Arab World.
prereq: ENGL 12000 or equivalent
3 hrs 3 credits

ARB 25200 - Literatures from the Islamic World (W)
GER 2C, PD/A
A survey of literary genres and themes from the Islamic World from the 7th to the 15th century.
prereq: ENGL 12000 or equivalent
3 hrs 3 credits

ARB 25300 - Literatures and Cultures of Muslim Spain (W)
GER 2C, PD/A
A survey of the literary and cultural history of Muslim Spain, 8th - 15th century C.E.
prereq: ENGL 12000 or equivalent
3 hrs 3 credits

ARB 25400 - The Arabian Nights East and West (W)
GER 2C, PD/A
The course studies not only the stories of the Arabian Nights (1001 Nights), but also the history of the translation and adaptation of the Nights into European languages.
prereq or coreq: ENGL 12000 or equivalent
3 hours 3 credits

ARB 30000 - Problems in Arabic Literature and Culture
This course will focus on a specific area related to the literatures and topics of the Arab World. As a 300-level course, it will cover a narrow spectrum of texts. Readings in translation. Specific information on a particular semester's offerings can be found on the on-line class schedule.
prereq or coreq: ENGL 12000 and one of the following or permission of the instructor: ANTHC 20100, ARB 20000, ARB 25000W, ARB 25100, ARB 25200W, ARB 25400W, ARTH 26000W, ASIA 22004, ASIA 39013, ASIA 45051, GEOG 27400, HEBR 21500W, HIST 27650, HIST 27651, POLSC 26300W, POLSC 26900W, REL 32200W, REL 33700W OR SOC 36200W.
3 hours 3 credits

ARB 30100 - Advanced Arabic I
Emphasis on increased proficiency in reading, speaking and writing Arabic
*prereq: ARB 20200 or equiv.*
3 hrs 3 cr.

**ARB 30200 - Advanced Arabic II**

Continuation of ARB 30100
*prereq: ARB 30100 or equiv.*
3 hrs 3 cr.

**Chinese Language and Literature - BA**

Return to Classical and Oriental Studies

**Major**

The major in Chinese language and literature consists of 24 credits chosen from the following CHIN-prefixed courses:

**CHIN 20100 - Intermediate Chinese I**

Reading of literature in *baihua* (vernacular style) with emphasis on structural use of “function words” and vocabulary-building.
*prereq: CHIN 10200 or equiv.*
3 hrs 3 cr.
offered fall

**CHIN 20200 - Intermediate Chinese II**

Continued reading of literature in *baihua.*
*prereq: CHIN 20100 or equiv.*
3 hrs 3 cr.
offered spring

**CHIN 30100 - Journalistic Chinese Literature I**

Intensive reading of literature and essays written in journalistic style.
*prereq: CHIN 20200 or equiv.*
3 hrs 3 cr.
offered fall

**CHIN 30200 - Journalistic Chinese Literature II**

Intensive reading and translation of literature written in journalistic style.
*prereq: CHIN 30100 or equiv.*
3 hrs 3 cr.
offered spring

**CHIN 30300 - Classical Chinese Literature I**
Intensive study of literature written in wenyan or classical style, with attention to basic structures of literary styles.  
**prereq:** CHIN 20200 or equiv.  
3 hrs 3 cr.  
offered fall

**CHIN 30400 - Classical Chinese Literature II**

Continuation of CHIN 303. Selected readings in literature written in wenyan or classical style.  
**prereq:** CHIN 303 or equiv.  
3 hrs 3 cr.  
offered spring

**CHIN 30700 - Classical Chinese Poetry**

PD/A  
Close textual and stylistic analysis of texts selected from standard verse forms, with emphasis on Tang shi.  
**prereq:** CHIN 30400 or equiv.  
3 hrs 3 cr.

**CHIN 40100 - Advanced Studies in Chinese Literature**

Including 20th-century literature, poetry; etymology and vocabulary building; Chinese-English translation.  
**prereq:** CHIN 30200 or equiv, perm chair  
3 hrs 3 cr.

**CHIN 40200 - Independent Study in Chinese Literature**

Independent study and research in Chinese literature under supervision of a faculty member.  
*For majors only.*  
**prereq:** CHIN 40100, perm chair  
3 hrs 3 cr.

**Preparation for Teaching Chinese in Grades 7-12**

Students preparing to teach Chinese must complete a 30-credit major option for teaching that includes the 24-credit sequence taken by non-teaching majors plus 9 additional credits: CHIN 39900 and 6 credits in Chinese language and literature at the 300 or 400 level. Students interested in teaching Chinese in New York schools should take the 23-credit pedagogical sequence for grades 7-12; this sequence may count toward the course requirements for New York State certification, but will not by itself be sufficient for certification. Students interested in a teaching career should consult with the School of Education.

**Minor in Chinese**

The minor in Chinese consists of 12 credits. Students must take 4 courses at or above the CHIN 200 level taught in Chinese. Course prerequisites must be satisfied. Internships and independent studies do not count toward the minor. Consult the Chinese program adviser for appropriate course recommendations.

**Advanced Placement and Exemptions**
Students who elect to take Chinese as their required language and have studied the language abroad or at home must consult the head of the Chinese Division for advanced placement or exemptions. The Chinese program does not offer proficiency tests.

**Electives**

All courses, unless otherwise stated in course descriptions, are open to qualified students majoring in other disciplines.

**Chinese: Other Courses**

**Language Courses**

**CHIN 10100 - Elementary Chinese I**

Beginning course in Mandarin.  
*CHIN 10100 not credited without CHIN 10200.*  
3 hours 3 credits  
offered fall

**CHIN 10200 - Elementary Chinese II**

Beginning course in Mandarin.  
3 hours 3 credits  
offered spring

**CHIN 10500 - Chinese Writing System and Calligraphy I**

Beginning course in learning the basics about writing Chinese characters, methods of analysis, and mastery of common radicals and characters.  
3 hours 3 credits  
offered fall

**CHIN 10600 - Chinese Writing System and Calligraphy II**

Continued instruction in topics related to the development of Chinese scripts, printing, and calligraphy, and mastery of additional common characters.  
*prereq: CHIN 10500 or equivalent*  
3 hours 3 credits  
offered spring

**CHIN 30600 - 20th-century Chinese Literature**

PD/A  
Selected readings of leading thinkers and writers.  
*prereq: CHIN 20200 or equiv.*  
3 hrs 3 cr.

**CHIN 39900 - Second Language Acquisition**
A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.

*prereq: at least three courses at the 300 level in the language, ENGL 12000
3 hrs 3 cr.*

**Chinese Culture and Literature in Translation**

**CHIN 11100 - Chinese Culture I**

GER 2/C PD/A
Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English.
3 hrs 3 cr.

**CHIN 11200 - Chinese Culture II**

GER 2/C PD/A
Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.
3 hrs 3 cr.

**CHIN 21100 - Topics in Chinese Culture**

Topics include Chinese religion, Buddhism, archaeology, Daoism and theatre.
3 hrs 3 cr.

**CHIN 25100 - Topics in Chinese Literature in English Translation (W)**

GER 2/C
Including 20th-century literature, contemporary literature.
*prereq: ENGL 12000
3 hrs 3 cr.*

**CHIN 35500 - Classical Chinese Fiction in English Translation (W)**

GER 3/A PD/A
Introduction to Chinese fictional writings from early times to 19th century, e.g., Dream of the Red Chamber, Monkey, All Men Are Brothers, Romance of the Three Kingdoms.
*prereq: ENGL 12000
3 hrs 3 cr.*

**CHIN 35700 - Chinese Poetry in English Translation (W)**

GER 3/A PD/A
Major poets from the earliest times to the present day, with emphasis on the Tang period.
*prereq: ENGL 12000
3 hrs 3 cr.*

**Classical Archaeology (Interdepartmental) - BA**

Return to Classical and Oriental Studies
24 credits from the interdepartmental course pool, including

**CLA 20400 - Introduction to Classical, Near Eastern, and Egyptian Archaeology (W)**

GER 2/C
Introduction to ancient archaeology, including Greece and Rome, Mesopotamia, Egypt, Anatolia, and the Levant.
*prereq: ENGL 12000*
3 hrs 3 cr.

**CLA 22000 - Aegean Archaeology (W)**

GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.
*prereq: ENGL 12000, CLA 20400*
3 hrs 3 cr.

**CLA 22100 - Greek Archaeology (W)**

GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.
*prereq: ENGL 12000; CLA 20400*
3 hrs 3 cr.

**CLA 22200 - Roman Archaeology (W)**

GER 3/A PD/D
Etruscans, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery.
*prereq: ENGL 12000; CLA 20400*
3 hrs 3 cr.

• with a corequisite of 12-14 credits of Greek or Latin.

**Additional Information**

Offered within the interdepartmental archaeology major.

**Preparation for Teaching in Grades 7-12**

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.

**Honors and Tutorials**

Departmental honors in classics and tutorials are open only to majors.

**Classics: Minors**
Classical Studies

A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.

Classical Archaeology

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.

Greek

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.

Latin

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

Courses in Archaeology

CLA 22000 - Aegean Archaeology (W)

GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 22100 - Greek Archaeology (W)

GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.
prereq: ENGL 12000; CLA 20400
3 hrs3 cr.

CLA 22200 - Roman Archaeology (W)

GER 3/A PD/D
Etruscans, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery.
prereq: ENGL 12000; CLA 20400
3 hrs3 cr.

CLA 22500 - Archaeology of Egypt (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Egypt, Giza, Thebes, Amarna; hieroglyphs, literature, tombs, religion, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.
CLA 22700W - Archaeology of Eastern Mediterranean

GER 3/A PD/A
Cyprus, Southern Anatolia, Phoenicia, and Palestine, especially in Bronze Age.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32200 - Archaeology of Mesopotamia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Mesopotamia. First villages, tombs of Ur, ziggurats, palaces, tablet literature.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32300 - Archaeology of Anatolia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Anatolia: Catal Huyuk, Troy, the Hittites, royal tombs of Phrygia and Lycia.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32900 - Problems in Archaeology

Exploration in depth of particular area or period in Old World archaeology. Topics vary.
prereq: ENGL 12000, two courses in classical archaeology
3 hrs3 cr.

CLA 33000 - Field Seminar in Archaeology

Open to majors only. Fieldwork, undertaken during a school semester or summer, under auspices of department or in an approved program, teaching excavation, or field school.
prereq: ENGL 12000, perm dept.
6 cr. maximum

ANTHC 12600 - Introduction to Prehistoric Archaeology

GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs3 cr.
offered every sem.

ANTHC 12700 - Introduction to Archaeological Techniques

Strategies of data collection; determination of age of deposits, environmental reconstruction, examination of artifacts.
prereq: ANTHC 12600 or perm instr.
3 hrs3 cr.

ANTHC 22600 - Archaeology of Africa
GER 3/B PD/A
Prehistory; origins, adaptations, cultural evolution of early hominids; origins of agriculture, early complex societies.
prereq: ANTHC 12600 or perm instr.
3 hrs3 cr.

ANTHC 22700 - Archaeology of Europe

GER 3/B PD/D
Prehistory; early hunting and gathering adaptations, beginnings of sedentary village life, development of complex societies.
prereq: ANTHC 12600 or perm instr.
3 hrs3 cr.

ANTHC 22800 - Archaeology of the Near East to 2000 BC

GER 3/B PD/A
Sociocultural development of Near East from early hunter-gatherers to first states and empires.
prereq: ANTHC 12600 or perm instr.
3 hrs3 cr.

ANTHC 23100 - Archaeology of Mesoamerica

GER 3/B
Sociocultural development from early hunter-gatherers to first pre-Hispanic states and empires.
prereq: ANTHC 12600 or perm instr.
3 hrs3 cr.

ANTHC 23200 - Archaeology of South America and the Caribbean

GER 3/B
Sociocultural development from early hunter-gatherers to first pre-Hispanic states and empires.
prereq: ANTHC 12600 or perm instr.
3 hrs3 cr.

ANTHC 42600 - Seminar in Archaeological Field Methods

Introduction to field methods and techniques in survey and excavation; involves weekend fieldwork on nearby sites. Depending on topic, may meet PD/B or D.
prereq: ANTHC 12600 or perm instr.
3 hrs3 cr.

Classical Studies - BA

Return to Classical and Oriental Studies

12-14 credits of either Greek or Latin, including

GRK 10100 - Beginning Greek
GRK 101 not credited without GRK 102.  
8 hrs 8 cr.  
offered fall

**GRK 10200 - Beginning Greek**

GRK 10100 not credited without GRK 10200.  
8 hrs 8 cr.  
offered spring  
or

**LAT 10100 - Beginning Latin**

LAT 10100 not credited without LAT 10200.  
8 hrs 8 cr.  
offered fall

**LAT 10200 - Beginning Latin**

8 hrs 8 cr.  
offered spring

- 12 credits of classics courses given in English (CLA prefix), including two courses at the 300 level

**Note(s)**

CLA 101 and CLA 110 do not count toward the major.

**Preparation for Teaching in Grades 7-12**

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.

**Honors and Tutorials**

Departmental honors in classics and tutorials are open only to majors.

**Classics: Minors**

**Classical Studies**

A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.

**Classical Archaeology**

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.
Greek

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.

Latin

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

Courses in Classical Studies

**CLA 10100 - Classical Mythology**

GER 2/C PD/D
Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and theories.

* 3 hrs 3 cr.

**CLA 11000 - The Greek and Latin Roots of English**

GER 2/C
Elements of language structure; how languages work; elements of Latin and Greek in English vocabulary.

* 3 hrs 3 cr.

**CLA 20100 - Greek Civilization (W)**

GER 2/C PD/D
Ancient Greek culture: art and literature, religion, philosophy, economics, politics, education, and athletics.

*prereq: ENGL 12000

* 3 hrs 3 cr.

**CLA 20200 - Hellenistic Civilization (W)**

GER 3/A PD/D
The Mediterranean world after Alexander the Great: synthesis of Greek and oriental cultures.

*prereq: ENGL 12000, CLA 20100 or 20400

* 3 hrs 3 cr.

**CLA 20300 - Roman Civilization (W)**

GER 2/C PD/D
Ancient Roman culture: art and literature, law, architecture, engineering, economics, popular culture, leisure activities.

*prereq: ENGL 12000

* 3 hrs 3 cr.

**CLA 20400 - Introduction to Classical, Near Eastern, and Egyptian Archaeology (W)**
GER 2/C
Introduction to ancient archaeology, including Greece and Rome, Mesopotamia, Egypt, Anatolia, and the Levant.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 21000 - The Greek and Roman Theatre (W)
GER 3/A
Components and functions of classical theatre: myth and ritual; mask and costume; staging and production; buildings.
prereq: ENGL 12000; CLA 20100 or 25000
3 hrs 3 cr.

CLA 22000 - Aegean Archaeology (W)
GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22100 - Greek Archaeology (W)
GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.
prereq: ENGL 12000; CLA 20400
3 hrs 3 cr.

CLA 22200 - Roman Archaeology (W)
GER 3/A PD/D
Etruscans, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery.
prereq: ENGL 12000; CLA 20400
3 hrs 3 cr.

CLA 22500 - Archaeology of Egypt (W)
GER 3/A PD/A
Sites, cultures, and styles of ancient Egypt, Giza, Thebes, Amarna; hieroglyphs, literature, tombs, religion, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22700W - Archaeology of Eastern Mediterranean
GER 3/A PD/A
Cyprus, Southern Anatolia, Phoenicia, and Palestine, especially in Bronze Age.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 24000 - Topics in Classics
Examination of specific areas of classical culture, such as literature, language, or numismatics.

**CLA 25000 - Greek and Roman Tragedy (W)**

GER 2/C PD/D
A study of plays of Aeschylus, Sophocles, Euripides, and Seneca in their literary, religious, and social contexts.

*prereq: ENGL 12000 recom: CLA 10100*

3 hrs 3 cr.

**CLA 25100 - Ancient Comedy (W)**

GER 2/C PD/D
Aristophanes, Menander, Plautus, and Terence, with a consideration of their influence on Western comic tradition.

*prereq: ENGL 12000*

3 hrs 3 cr.

**CLA 25300 - Homer and Vergil (W)**

GER 2/C PD/D
Ancient narrative song and poetry, with emphasis on the Iliad and Odyssey of Homer and the Aeneid of Vergil.

*prereq: ENGL 12000 recom: CLA 10100*

3 hrs 3 cr.

**CLA 25400 - The Ancient Novel in Translation (W)**

GER 3/A PD/D
Greek and Roman prose fiction-Petronius' Satyricon, Apuleius' Golden Ass, Achilles Tatuis' Leucippe, Longus' Daphnis and Chloe, and Heliodorus' Ethiopian Tale.

*prereq: ENGL 22000 or perm instr.*

3 hrs 3 cr.

**CLA 30200 - Comparative Backgrounds of Classical Mythology (W)**

GER 3/A PD/D
Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hitite, Ugaritic, and Celtic myths.

*prereq: ENGL 12000; CLA 10100*

3 hrs 3 cr.

**CLA 30300 - Religion of Ancient Greece (W)**

GER 3/A
The Ancient Greek religious experience: official rites, mystery cults, oracles, personal religious belief, and practice.

*prereq: ENGL 12000, CLA 10100 or 20100*

3 hrs 3 cr.

**CLA 30400 - Pagans and Christians (W)**
GER 3/A PD/D
Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 30500 - Women and Slaves in Classical Antiquity (W)

GER 3/A PD/C or D
Women and slaves in Greek and Roman society and their influence on Western attitudes about sex and class.
cross-listed WGS 30500 (W)
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 30600 - Special Studies in Ancient Greek Culture

Examination of specific areas of Greek life. Topics vary from year to year.
prereq: ENGL 12000
3 hrs3 cr.

CLA 30700 - Special Studies in Ancient Roman Culture

PD/D
Examination of specific areas of Roman life. Topics vary from year to year.
prereq: ENGL 12000
3 hrs3 cr.

CLA 30800 - Magic and Science in the Ancient World (W)

GER 3/A
The interaction of scientific and magical world views in Greek, Roman and Near Eastern antiquity from the invention of writing to the origins of alchemy.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 31000 - Ancient Sports and Spectacles (W)

GER 3/A PD/D
An exploration of ancient Greek and Roman sports and spectacles, focusing on evidence supplied by literary texts, archaeology, and the visual arts.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 32200 - Archaeology of Mesopotamia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Mesopotamia. First villages, tombs of Ur, ziggurats, palaces, tablet literature.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32300 - Archaeology of Anatolia (W)
GER 3/A PD/A
Sites, cultures, and styles of ancient Anatolia: Catal Huyuk, Troy, the Hittites, royal tombs of Phrygia and Lycia.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32900 - Problems in Archaeology
Exploration in depth of particular area or period in Old World archaeology. Topics vary.
prereq: ENGL 12000, two courses in classical archaeology
3 hrs3 cr.

CLA 33000 - Field Seminar in Archaeology
Open to majors only. Fieldwork, undertaken during a school semester or summer, under auspices of department or in an approved program, teaching excavation, or field school.
prereq: ENGL 12000, perm dept.
6 cr. maximum

CLA 42100 - Independent Study in Classics
Open to majors only.
prereq: ENGL 12000, perm chair
1-3 cr.

CLA 49100 - Honors in Classics
Sr only. Individual research under direction of member of department, culminating in essay approved by Honors Committee.
prereq: ENGL 12000, perm dept.
3 hrs3 cr.

CLA 49800 - Internship
prereq: ENGL 12000, perm dept.
1-6 cr.

Greek - BA

Return to Classical and Oriental Studies

24 credits of Greek above

GRK 10100 - Beginning Greek

GRK 101 not credited without GRK 102.
8 hrs8 cr.
offered fall
GRK 10200 - Beginning Greek

GRK 10100 not credited without GRK 10200.
8 hrs8 cr.
offered spring

GRK 10700 - Beginning Greek, Intensive

6 hrs6 cr.
offered summer

Courses in Greek Above Beginning Level

GRK 11000 - Greek Reading

prereq: GRK 10200 or equiv.
3 hrs3 cr.
offered fall

GRK 20200 - Plato

prereq: GRK 11000 or equiv.
3 hrs3 cr.

GRK 20300 - Homer

prereq: GRK 11000 or equiv.
3 hrs3 cr.

GRK 30100 - Plato II

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30200 - Euripides

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30300 - Greek Lyric Poetry

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30400 - Aristophanes and Menander

prereq: GRK 20200 or equiv.
3 hrs3 cr.
GRK 30500 - Attic Orators

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30700 - Sophocles

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30800 - Aeschylus

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30900 - Herodotus

prereq: GRK 202 or equiv.
3 hrs3 cr.

GRK 31000 - Thucydides

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 31100 - Advanced Readings in Greek Literature

prereq: GRK 20200 or equiv.
3 hrs3 cr.

and a corequisite of

LAT 10100 - Beginning Latin

LAT 10100 not credited without LAT 10200.
8 hrs8 cr.
offered fall

LAT 10200 - Beginning Latin

8 hrs8 cr.
offered spring

Preparation for Teaching in Grades 7-12

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.
Honors and Tutorials

Departmental honors in classics and tutorials are open only to majors.

Classics: Minors

Classical Studies

A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.

Classical Archaeology

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.

Greek

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.

Latin

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

Greek and Latin - BA

Return to Classical and Oriental Studies

18-20 credits each of Greek and Latin

(may include 101-102)

Preparation for Teaching in Grades 7-12

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.

Honors and Tutorials

Departmental honors in classics and tutorials are open only to majors.

Classics: Minors

Classical Studies
A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.

**Classical Archaeology**

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.

**Greek**

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.

**Latin**

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

**Courses in Greek and Latin**

**GRK 10100 - Beginning Greek**

*GRK 101 not credited without GRK 102.*
8 hrs8 cr.
offered fall

**GRK 10200 - Beginning Greek**

*GRK 10100 not credited without GRK 10200.*
8 hrs8 cr.
offered spring

**GRK 10700 - Beginning Greek, Intensive**

6 hrs6 cr.
offered summer

**GRK 11000 - Greek Reading**

*prereq: GRK 10200 or equiv.*
3 hrs3 cr.
offered fall

**GRK 20200 - Plato**

*prereq: GRK 11000 or equiv.*
3 hrs3 cr.

**GRK 20300 - Homer**
GRK 30100 - Plato II

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30200 - Euripides

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30300 - Greek Lyric Poetry

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30400 - Aristophanes and Menander

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30500 - Attic Orators

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30700 - Sophocles

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30800 - Aeschylus

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30900 - Herodotus

prereq: GRK 202 or equiv.
3 hrs3 cr.

GRK 31000 - Thucydides

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 31100 - Advanced Readings in Greek Literature
prereq: GRK 20200 or equiv.
3 hrs3 cr.

LAT 10100 - Beginning Latin

LAT 10100 not credited without LAT 10200.
8 hrs8 cr.
offered fall

LAT 10200 - Beginning Latin

8 hrs8 cr.
offered spring

LAT 10700 - Beginning Latin, Intensive

6 hrs6 cr.
offered summer

LAT 11000 - Latin Reading

prereq: LAT 10200 or equiv.
3 hrs3 cr.
offered fall

LAT 20100 - Ovid's Metamorphoses

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20200 - Roman Biography

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20300 - Vergil's Aeneid

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20400 - Cicero's De Senectute

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 22000 - Medieval Latin
prereq: LAT 11000 or equiv.
3 hrs3 cr.
offered summer

LAT 30200 - Roman Letter

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30300 - Roman Comedy

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30400 - Roman Satire

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30500 - Vergil's Eclogues and Georgics

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30600 - Cicero

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30700 - Lucretius' De Rerum Natura

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30800 - Roman Epic

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30900 - Lyric Poetry of the Golden Age

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31000 - The Roman Novel

prereq: LAT 20100 or equiv.
3 hrs3 cr.
LAT 31100 - Elegiac Poets

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31200 - Livy

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31300 - Caesar

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31400 - Tacitus

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31500 - Anthology of Latin Verse

prereq: LAT 20100 or equiv.
1 hr 1 cr.

LAT 31600 - Advanced Readings in Latin Literature

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

Hebrew - BA

Return to: Classical and Oriental Studies

Placement and Exemption Students with background in the language should consult the head of the Hebrew Division for proper placement or for language exemption.

Majors

The major consists of 24 credits from courses beyond HEBR 101-102. In general, a Hebrew major is required to achieve proficiency in Biblical and/or modern Hebrew literature by successfully completing a minimum of four courses at the 300 level in Hebrew. Courses in Hebraic studies conducted in English may be applied toward partial fulfillment of the Hebrew major provided they are part of a coherent program approved by the head of the division.

Qualified students interested in a more intensive program in the field of Hebraic or Judaic studies, particularly those preparing for graduate work in such specialized areas as Semitic languages and civilizations, Jewish history, Biblical studies and archaeology, medieval or modern Hebrew literature, Near Eastern studies or religious studies, should consult a division adviser regarding additional courses and supportive studies in related fields.
Preparation for Teaching in Grades 7-12

In cooperation with the School of Education, the Program in Hebrew provides opportunities for students to prepare for a career in teaching Hebrew in grades 7-12. Students preparing to teach Hebrew must complete a 33-credit major option for teaching that includes the 24-credit sequence taken by non-teaching majors, HEBR 39900, and 6 additional credits in Hebrew language and literature at the 300 or 400 level. Students interested in teaching Hebrew in New York schools should take the 23-credit pedagogical sequence for grades 7-12. This sequence may count toward the course requirements for New York State Certification, but will not by itself be sufficient for certification. Students interested in a teaching career should consult with the School of Education.

Minor

Two minors are offered, one in Hebrew, the other in Hebraic Studies.

Hebrew Minor

The Hebrew minor requires the successful completion of 12 credits at the 200-level or above. Courses counted toward the Hebrew minor must be either language courses or have Hebrew as their language of instruction.

Hebraic Studies Minor

The Hebraic Studies minor requires the successful completion of four HEBR literature and/or culture courses on the 200-level or above, taught in English or in Hebrew. Two Hebrew language courses other than Elementary and Intermediate Hebrew—e.g., Biblical Hebrew, Advanced Hebrew—may be used toward the minor requirement in lieu of two literature or culture courses.

Honors

Opportunity for honors work is available through HEBR 49100 - Honors Project.

Courses in Hebrew

HEBR 10100 - Elementary Hebrew I

Fundamentals of reading, pronunciation and grammar for beginners. Practice in conversation and writing. HEBR 101 not credited without HEBR 102.

3 hrs 3 cr.

HEBR 10200 - Elementary Hebrew II

Continuation of HEBR 10100.

prereq: HEBR 10100 or equiv.

3 hrs 3 cr.

HEBR 10300 - Intensive Elementary Hebrew
Intensive practice in basic skills of Hebrew. Course covers in one semester the material covered in the two semesters of HEBR 10100 and 10200.

6 hrs 6 cr.

HEBR 10500 - Elementary Biblical Hebrew I

The first in a series of four introductory courses in the Hebrew of the Bible. No prior knowledge of Hebrew required.

Not credited without HEBR 106

3 hours 3 credits

HEBR 10600 - Elementary Biblical Hebrew II

The second in a series of 4 introductory courses in Biblical Hebrew.

Prereq: HEBR 105 or equivalent.

3 hours 3 credits

HEBR 20100 - Intermediate Hebrew I

Continued practice in conversational Hebrew, grammar and composition.

Prereq: HEBR 102 or equiv.

3 hrs 3 cr.

HEBR 20200 - Intermediate Hebrew II

Intensive practice in conversation, composition and grammar. Selected readings in Hebrew literature.

Prereq: HEBR 20100 or equiv.

3 hrs 3 cr.

HEBR 20500 - Intermediate Biblical Hebrew I

This is the 3rd semester of a 4-semester series of Biblical Hebrew courses.

Prereq: Biblical Hebrew 10600 or equivalent.

3 hours 3 credits

HEBR 20600 - Intermediate Biblical Hebrew II

This is the 4th semester of the 4-semester Biblical Hebrew series.

Prereq: HEBR 20500 or equivalent.

3 hours 3 credits

HEBR 21000 - Selected Studies in Hebrew Literature in Translation

PD/C
Study of selected masterpieces or major themes in Hebrew literature in translation. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement; check with department.

3 hrs 3 cr.

HEBR 21100 - Masterpieces of Medieval Hebraic Literature in Translation (W)
Selections from major works reflecting Jewish life and thought in medieval Islamic world and Christendom.  
3 hrs3 cr.

HEBR 21200 - Readings in Modern Hebrew Literature in Translation (W)

Survey of Hebraic literature from Enlightenment movement to present.
3 hrs3 cr

HEBR 21400 - Maimonides' Guide to the Perplexed

Study of this work in English with reference to Maimonides' influence on development of medieval Aristotelianism.
3 hrs3 cr

HEBR 21500 - Hebraic and Judaic Culture and Thought in the Medieval Islamic World (W)

A study of medieval Hebraic and Judaic writings from North Africa and the Middle East in English translation. Emphasis will be given to the traditional as well as the innovative aspects of the material. 
prereq: ENGL 12000
3 hrs3 cr.

HEBR 21800 - Masterpieces of Yiddish Literature in Translation (W)

Study of major works in Yiddish literature from Mendele Mocher Seforim to present. 
prereq: ENGL 22000
3 hrs3 cr

HEBR 22000 - Israeli Cinema

Israeli cinema and the development of Israeli cultural identity. Designed for students of Hebrew studies and Film studies who are interested in the history of Israeli film and Israeli cultural identity as expressed in the Israeli cinema. 
cross-listed cross-listed with FILM 21344
prereq: ENGL 12000
3 hrs3 cr

HEBR 24000 - Introduction to the Old Testament

Survey of the books of the Old Testament, their form, content and cultural background. Introduction to the tools and methods of modern biblical criticism.
3 hrs3 cr

HEBR 25000 - Topics in Hebraic Studies
PD/C
Study in depth of a selected topic in Hebraic studies. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement; check with department.
3 hrs 3 cr

HEBR 25900 - Old Testament Religion

GER 2/C PD/A
Comprehensive survey of ancient Israelite religious practice, expression and thought as reflected in Hebrew Bible.
3 hrs 3 cr

HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)

GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.
3 hrs 3 cr

HEBR 28400 - Images of Women in the Old Testament, in Translation

GER 3/A PD/C
Depiction of women in ancient Israelite prose and poetry. Close reading and analysis of texts in terms of literary techniques, cultural background and ideological implications.
3 hrs 3 cr

HEBR 28600 - Ancient Near Eastern Literature and the Bible

GER 3/A PD/A
Comparative study of ancient Near Eastern literature and the Hebrew Bible.
3 hrs 3 cr

HEBR 28800 - Ancient Hebraic Folklore

GER 2/C PD/A
Analysis and comparative study of folk beliefs, practices and literature reflected in Hebrew Bible, apocryphal literature and rabbinic Aggada.
3 hrs 3 cr

HEBR 29000 - Biblical Archaeology

GER 2/C PD/A
Study of Biblical sources in translation in relation to major archaeological discoveries in Israel and Near East.
3 hrs 3 cr

HEBR 29200 - The Hebrew Prophets

GER 2/C PD/A
Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical and religious thought.
3 hrs 3 cr

HEBR 29400 - Job, Ecclesiastes and the Human Predicament
GER 3/A PD/A
Study of form, content and religious significance of these two enigmatic masterworks.
3 hrs3 cr

HEBR 29500 - Ancient Hebrew Law

GER 2/C PD/A
Historical and comparative study of Biblical and rabbinic law.
3 hrs3 cr

HEBR 29600 - The Dead Sea Scrolls in English

GER 3/A PD/A
Readings in the various genres of the scrolls; historical background of Qumran sect; significance of the scrolls for study of Judaism and Christianity.
3 hrs3 cr

HEBR 31000 - Modern Hebrew Literature I

GER 3/A PD/D
Reading and discussion of selected works in prose and poetry of 19th-century authors.
prereq: HEBR 20200 or equiv. or exemption
3 hrs3 cr

HEBR 31100 - Modern Hebrew Literature II

GER 3/A
Reading and discussion of selected works in prose and poetry of 20th-century authors.
prereq: HEBR 20200 or equiv.
3 hrs3 cr.

HEBR 31500 - Biblical Literature: Pentateuch

GER 3/A PD/A
Selections from Pentateuch.
prereq: HEBR 20200 or equiv.
3 hrs3 cr.

HEBR 31600 - Biblical Literature: Historical Books

GER 3/A PD/A
Selections from books of Joshua, Judges, Samuel and Kings.
prereq: HEBR 20200 or equiv.
3 hrs3 cr.

HEBR 31700 - Biblical Literature: Prophetic Books

GER 3/A PD/A
Selections from minor and major prophets.
prereq: HEBR 202 or equiv.
3 hrs3 cr

HEBR 31800 - Biblical Literature: Hagiographa

GER 3/A PD/A
Selections from Job, Proverbs, Psalms and the five Magillot.
prereq: HEBR 20200 or equiv.
3 hrs3 cr

HEBR 32000 - The Modern Hebrew Short Story

GER 3/A
Extensive reading of short stories from late 19th century to present, illustrating different literary trends.
prereq: HEBR 20200 or equiv.
3 hrs3 cr.

HEBR 32100 - Talmudic Literature

GER 3/A PD/A
Selections from Talmud and Midrash.
prereq: HEBR 20200 or equiv.
3 hrs3 cr

HEBR 32200 - Medieval Literature

GER 3/A PD/D
Selections from literature of Golden Age in Spain.
prereq: HEBR 20200 or equiv.
3 hrs3 cr

HEBR 32300 - Poetry of the Modern Hebrew Renaissance Period

GER 3/A PD/D
Study of major works of Bialik, Tschernichovsky, Kahan and Shneour.
prereq: HEBR 20200 or equiv.
3 hrs3 cr

HEBR 32400 - The Modern Hebrew Essay

GER 3/A PD/D
Study of selected essays of Ahad ha'Am, Berditchevsky and Frischman.
prereq: HEBR 20200 or equiv.
3 hrs3 cr

HEBR 32500 - History of Modern Hebrew Literature

GER 3/A
Evolution of Hebrew literature from period of Enlightenment to contemporary Hebrew letters.
HEBR 32600 - Hebrew Poetry Between the Two World Wars

GER 3/A
Study of Hebrew poetry since World War I. Emphasis on works of Greenberg, Schlonsky, Lamdan and Alterman.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32700 - The Modern Hebrew Novel

GER 3/A
Intensive study of a major novel by Agnon, Barash or Hazaz, with collateral readings in other Hebrew novels.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32800 - Contemporary Hebrew Prose

GER 3/A
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 33100 - Medieval Hebrew Philosophic Texts

GER 3/A
Study of selected chapters of Halevi's Kuzari and Maimonide's Moreh Nebukim (Guide to the Perplexed).
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 35100 - Hebrew Grammar and Composition

Intensive study of principles of vocalization, inflections of nouns and verbs, rules of syntax and practice in composition.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 35700 - Approaches to Main Problems in Hebraic Studies

Explorations in depth of a particular area in Hebraic studies. May be repeated as topics vary from semester to semester.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 39900 - Second Language Acquisition

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.
HEBR 45100 - Selected Studies in Hebrew Literature

PD/D
Course will concentrate on an author, theme, genre or period in Hebrew literature. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement.

prereq: HEBR 20200 or equiv, perm division
3 hrs3 cr

HEBR 49000 - Independent Studies

Independent research under direction of a member of the division. May be repeated as topics vary from semester to semester.
prereq: permission of division head
hrs TBA3 cr

HEBR 49100 - Honors Project

Individual study and research in Hebrew literature in consultation with staff member. Honors essay required. May be repeated as topics vary from semester to semester.
prereq: Jr/Sr only; perm division
1 sem3 cr.

Japanese Courses

Return to Classical and Oriental Studies

The following are the courses offered in Japanese language and culture.

Courses in Japanese Language/Culture

JPN 10100 - Elementary Japanese I

10100 not credited without 10200.
3 hrs3 cr.

JPN 10200 - Elementary Japanese II
Continuation of 10100.
prereq: JPN 10100 or equiv.
3 hrs3 cr.

**JPN 20100 - Intermediate Japanese I**

Continuation of JPN 10100. Extensive reading and writing practice, including at least 500 additional kanji; advanced grammar study.
prereq: JPN 10200 or equiv.
3 hrs3 cr.

**JPN 20200 - Intermediate Japanese II**

Continuation of JPN 20100.
prereq: JPN 20100 or equiv.
3 hrs3 cr.

**JPN 30100 - Advanced Japanese I**

Continuation of JPN 20200. Extensive reading and writing practice, including at least 700 additional kanji; advanced grammar study.
prereq: JPN 20200 or equiv.
3 hrs3 cr.

**JPN 30200 - Advanced Japanese II**

Continuation of JPN 30100. Extensive reading and writing practice, including at least 600 additional kanji; advanced grammar study.
prereq: JPN 30100 or equiv.
3 hrs3 cr.

**JPN 25100 - Japanese Culture Before 1600**

GER 2C PD/A
Designed for students who wish to become acquainted with Japanese culture. It will cover the periods from pre-history to 1600 and focus on elements that helped shape contemporary Japanese culture. Taught entirely in English.
3 hours3 credits

**JPN 25200 - Japanese Culture Since 1600**

GER 2C PD/A
Designed for students who wish to become acquainted with Japanese culture. It will cover the Edo Period and Modern Japan—including contemporary Japanese culture. Taught entirely in English. JPN 251 is not prerequisite.
3 hours3 credits

**Latin - BA**

Return to Classical and Oriental Studies
24 credits of Latin above

**LAT 10100 - Beginning Latin**

*LAT 10100 not credited without LAT 10200.*
8 hrs 8 cr.
offered fall

**LAT 10200 - Beginning Latin**

8 hrs 8 cr.
offered spring

**LAT 10700 - Beginning Latin, Intensive**

6 hrs 6 cr.
offered summer

and a corequisite of

**GRK 10100 - Beginning Greek**

*GRK 101 not credited without GRK 102.*
8 hrs 8 cr.
offered fall

**GRK 10200 - Beginning Greek**

*GRK 10100 not credited without GRK 10200.*
8 hrs 8 cr.
offered spring

**GRK 10700 - Beginning Greek, Intensive**

6 hrs 6 cr.
offered summer

**Preparation for Teaching in Grades 7-12**

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.

**Honors and Tutorials**

Departmental honors in classics and tutorials are open only to majors.

**Classics: Minors**
Classical Studies

A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.

Classical Archaeology

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.

Greek

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.

Latin

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

Courses in Latin

LAT 11000 - Latin Reading

prereq: LAT 10200 or equiv.
3 hrs 3 cr.
offered fall

LAT 20100 - Ovid's Metamorphoses

prereq: LAT 11000 or equiv.
3 hrs 3 cr.

LAT 20200 - Roman Biography

prereq: LAT 11000 or equiv.
3 hrs 3 cr.

LAT 20300 - Vergil's Aeneid

prereq: LAT 11000 or equiv.
3 hrs 3 cr.

LAT 20400 - Cicero's De Senectute

prereq: LAT 11000 or equiv.
3 hrs 3 cr.

LAT 22000 - Medieval Latin
prereq: LAT 11000 or equiv.
3 hrs 3 cr.
offered summer

LAT 30200 - Roman Letter

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30300 - Roman Comedy

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30400 - Roman Satire

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30500 - Vergil's Eclogues and Georgics

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30600 - Cicero

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30700 - Lucretius' De Rerum Natura

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30800 - Roman Epic

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30900 - Lyric Poetry of the Golden Age

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31000 - The Roman Novel

prereq: LAT 20100 or equiv.
3 hrs 3 cr.
LAT 31100 - Elegiac Poets

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31200 - Livy

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31300 - Caesar

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31400 - Tacitus

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31500 - Anthology of Latin Verse

prereq: LAT 20100 or equiv.
1 hr 1 cr.

LAT 31600 - Advanced Readings in Latin Literature

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

Russian - BA

Return to: Classical and Oriental Studies

Major

The Russian major consists of no fewer than 24 credits chosen among courses in the language beyond RUSS 10100 and RUSS 10200.

I. Russian language sequence: for students who want to acquire native fluency in spoken and written Russian and a thorough knowledge of Russian literature.

II. Russian language and culture sequence: for students whose interests lie in the arts rather than in language. With the permission of the division head, a limited number of courses in translation may be applied to the major sequence.

III. Concentration in Russian and East Central European Studies (RECE): This new concentration within the Russian program draws on a variety of disciplines in combination with courses from the Division of Russian and Slavic Studies. Requirements for RECE include Russian or Slavic language proficiency or a pre-
corequisite of 6 credits in Russian or Slavic language at the 20200 (intermediate) level or above and 18 credits distributed as follows: Russian or East Central European history (3 cr.); RECE area political science (3 cr.); Russian or East Central European literature, culture or arts (3 cr.); and three additional 200- or 300-level courses chosen from two of the following categories: anthropology, economics, geography, history, political science and literature, culture or arts. Students should select courses in consultation with their RECE adviser. In addition to their 18-to 24-credit concentration, students are strongly urged to choose 12 minor credits from disciplines related to RECE.

Electives

All courses offered by the Russian Division are open to qualified students for elective credit.

Preparation for teaching in Grades 7-12

In cooperation with the School of Education, the program in Russian provides opportunities for students to prepare for a career in teaching Russian in grades 7-12. Students preparing to teach Russian must complete a 33-credit major option for teaching that includes the 24-credit sequence taken by non-teaching majors plus 9 additional credits: RUSS 39900 and 6 additional credits in Russian language and literature at the 300 or 400 level. Students interested in teaching Russian in New York Schools should take the 23-credit pedagogical sequence for grades 7-12. This sequence may count toward the course requirements for New York State Certification, but will not by itself be sufficient for certification. Students interested in a teaching career should consult with the School of Education.

Minor in Russian

The minor in Russian consists of no fewer than 12 credits. Courses taken toward the Russian minor could follow two tracks: the Russian language minor or the Russian literature and culture minor.

Students wishing to minor in Russian should either pass a proficiency test or take the language sequences of

**RUSS 10100 - Elementary Russian**

Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 101 not credited without RUSS 102.

2 sems, 3 hrs 3 cr. each sem.

**RUSS 10200 - Elementary Russian**

Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 10100 not credited without RUSS 10200.

2 sems, 3 hrs 3 cr. each sem.

**RUSS 20100 - Intermediate Russian I**

Selected readings in prose. Continued practice in written and spoken Russian. Grammar review.

*prereq: RUSS 10200 or 10300*

3 hrs 3 cr.
RUSS 20200 - Intermediate Russian II

Selected readings in Russian literature. Practice in oral and written expression.

 prerequisite: RUSS 20100
3 hrs 3 cr.

-or-

RUSS 10300 - Elementary Russian for Heritage Speakers (Intensive)

Intensive study of the Russian language for heritage speakers who seek to gain literacy in the language. Two semesters in one.

6 hrs 6 cr.

RUSS 20300 - Intermediate Russian for Heritage Speakers (Intensive)

Intensive study of the Russian language for heritage students who seek to improve literacy in the language. Not open to students who have taken RUSS 20100 RUSS 20200 sequence. Two semesters in one.

 prerequisite: RUSS 10300 or instructor’s permission.
6 hrs 6 cr.

Track I: Russian Language Minor

Prerequisite

RUSS 20200 - Intermediate Russian II

Selected readings in Russian literature. Practice in oral and written expression.

 prerequisite: RUSS 20100
3 hrs 3 cr.

Students are expected to take

RUSS 30100 - Advanced Russian I

Speaking, writing and reading Russian. Sentence structure; oral and written reports.

 prerequisite: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 30200 - Advanced Russian II

GER 3/A
Reading and critical analysis of selected literary and journalistic texts. Consideration of levels of style, problems of idiom and syntax. Written and oral reports.

 prerequisite: RUSS 20200 or equiv
3 hrs 3 cr.
RUSS 31700 - Practical Aspects of Translation

Introduction to techniques of translation. Translations of political, journalistic, commercial, scientific and literary texts. 
*prereq: RUSS 20200 or equiv. 
3 hrs 3 cr.

-or-

RUSS 31800 - Advanced Translation

Continuation of RUSS 317 on an advanced level. Further development of skills in translating diverse materials from Russian to English and from English to Russian. 
*prereq: ENGL 12000, RUSS 31700 or equiv; RUSS 20200 or equiv. 
3 hrs 3 cr.

-or-

RUSS 31900 - Business Russian

Increase mastery of Russian vocabulary, style and syntax for translating and composing diverse business materials in such fields as finance, insurance, litigation, advertising and labor relations. Conducted in Russian. 
*prereq: RUSS 20200 or equiv. 
3 hrs 3 cr. 
plus one literature course taught in Russian.

Track II: Russian Literature and Culture Minor

Prerequisite

RUSS 20200 - Intermediate Russian II

Selected readings in Russian literature. Practice in oral and written expression.  
*prereq: RUSS 20100  
3 hrs 3 cr.

RUSS 30100 - Advanced Russian I

Speaking, writing and reading Russian. Sentence structure; oral and written reports.  
*prereq: RUSS 20200 or equiv.  
3 hrs 3 cr.

RUSS 30200 - Advanced Russian II

GER 3/A  
Reading and critical analysis of selected literary and journalistic texts. Consideration of levels of style, problems of idiom and syntax. Written and oral reports. 
*prereq: RUSS 20200 or equiv  
3 hrs 3 cr. 

and two literature or culture courses conducted either in Russian or in English. Literature courses may be substituted for language courses in the Literature and Culture Minor with permission by the head of the program.
Courses in Russian and Slavic Studies

**POL 10100 - Elementary Polish**

2 sems, 6 hrs6 cr.

**POL 20100 - Intermediate Polish I**

*prereq: POL 10200*

3 hrs3 cr.

**POL 20200 - Intermediate Polish II**

*prereq: POL 20100*

3 hrs3 cr.

**POL 25000 - Topics in Polish Literature**

PD/D

Example: the 19th century Polish novel.

3 hrs3 cr.

**POL 30000 - Independent Study in Polish Language and Literature**

3 hrs3 cr.

**RUSS 10100 - Elementary Russian**

Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 101 not credited without RUSS 102.

2 sems, 3 hrs3 cr. each sem.

**RUSS 10200 - Elementary Russian**

Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 10100 not credited without RUSS 10200.

2 sems, 3 hrs3 cr. each sem.

**RUSS 10300 - Elementary Russian for Heritage Speakers (Intensive)**

Intensive study of the Russian language for heritage speakers who seek to gain literacy in the language. Two semesters in one.

6 hrs6 cr.

**RUSS 15500 - The Culture of Old Russia**
GER 2/C PD/D
Religion, art, architecture and daily life in medieval Russia.
prereq: ENGL 12000
3 hrs 3 cr.

**RUSS 15600 - Culture of Imperial Russia: the Age of Empresses**

GER 2/C PD/C
Major cultural movements of the Empire baroque, classicism, romanticism and their effect on the cultural fabric of Russia from Regent Sophia through the reign of Peter to Catherine the Great.
cross-listed WGS 15600
prereq: ENGL 12000
3 hrs 3 cr.

**RUSS 15700 - The Age of the Great Masters**

GER 2/C PD/D
Russian culture as shaped by the great masters of Russian literature, art and music in the late 19th and early 20th centuries.
prereq: ENGL 12000
3 hrs 3 cr.

**RUSS 15800 - Contemporary Russian Culture**

GER 2/C
Survey of Russian culture from Stalin to present exploring the relationship between the arts and the state apparatus. Consideration of such figures as Pasternak, Solzhenitsyn, Yevtushenko, Prokofiev, Tarkovsky and the Taganka Theatre.
prereq: ENGL 12000
3 hrs 3 cr.

**RUSS 20100 - Intermediate Russian I**

Selected readings in prose. Continued practice in written and spoken Russian. Grammar review.
prereq: RUSS 10200 or 10300
3 hrs 3 cr.

**RUSS 20200 - Intermediate Russian II**

Selected readings in Russian literature. Practice in oral and written expression.
prereq: RUSS 20100
3 hrs 3 cr.

**RUSS 20300 - Intermediate Russian for Heritage Speakers Intensive**

Intensive study of the Russian language for heritage students who seek to improve literacy in the language. Not open to students who have taken RUSS 20100 RUSS 20200 sequence. Two semesters in one.
prereq: RUSS 10300 or instructor's permission.
6 hrs 6 cr.

RUSS 24500 - Russian Folklore: Slavic Myths and Traditions

Common Slavic myths, traditions and social structures.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 24600 - Special Topics in Slavic Literature and Cultures

Sample topic: fairy tales, satire.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 25000 - 19th Century Russian Literature in English Translation (W)

GER 2/C PD/D
Pushkin's Eugene Onegin, Lermontov's Hero of Our Time, Gogol's Dead Souls, Turgenev's Fathers and Sons and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25100 - Tolstoy and Dostoevsky in English Translation (W)

GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Dostoevsky's The Brothers Karamazov and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25200 - Modern Russian Literature in English Translation (W)

GER 2/C PD/D
Gorky, Mayakovskiy, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25300 - Russian Theater in English Translation (W)

GER 2/C PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Chekhov, Pushkin, Gogol and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25400 - The Silver Age of Russian Literature in English Translation (W)
Major writers and movements of the years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.

\textit{prereq: ENGL 12000}

\textit{3 hrs3 cr.}

**RUSS 25500 - Russian Folklore, in Translation (W)**

Common Slavic myths and traditions.

\textit{prereq: ENGL 12000}

\textit{3 hrs3 cr.}

**RUSS 25600 - Special Topics in Slavic Literatures and Cultures in English Translation**

\textit{PD/D}

Examples: the Russian cinema, Nabokov.

\textit{prereq: ENGL 12000}

\textit{3 hrs3 cr.}

**RUSS 25700 - Masterpieces of Russian Literature in English Translation**

Examples: Chekhov's short stories or plays, Nabokov.

\textit{prereq: ENGL 12000}

\textit{1 hrl cr.}

**RUSS 25800 - Masterpieces of Russian Literature in English Translation**

Example: Pasternak's Dr. Zhivago.

\textit{prereq: ENGL 12000}

\textit{1 hrl cr.}

**RUSS 25900 - Masterpieces of Russian Literature in English Translation**

Examples: Solzhenitsyn's Gulag, Pushkin stories, Gogol stories.

\textit{prereq: ENGL 12000}

\textit{1 hrl cr.}

**RUSS 26000 - Russian Women Writers in English Translation (W)**


\textit{cross-listed WGS 26000 (W)}

\textit{prereq: ENGL 12000}

\textit{3 hrs3 cr.}

**RUSS 27000 - Soviet and Post-Soviet Cinema and Society (W)**
GER 2/C
Exploration of how Soviet cinema affected the cultural aesthetic sensibilities of the Russian people through its influence on Russian literature, theater and painting. Analysis of works of film directors, film theoreticians, writers, theatrical directors and artists.
3 hrs 3 cr.

RUSS 29300 - Folklore in Translation: A Comparative Study

PD/A
Folklore of Australia, Oceania, Europe, Africa, North and South America and the Near East will be read in juxtaposition to Russian folklore.
prereq: ENGL 120
3 hrs 3 cr.

RUSS 29400 - Folklore and Literature (W)

GER 3/A PD/D
Students will be introduced to basic concepts of literature and folklore to increase, through a comparative study, their understanding and appreciation of both art forms. Works in English of major Russian writers such as Pushkin, Gogol and Pilnyak will be read in juxtaposition with folklore genres in search of how literary texts mirror folklore subjects. European, African and South American literature and folklore will be introduced or comparative purposes.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 29500 - The Vampire in Lore and Literature

GER 2/C
Comparative study of the vampire in various folk and literary traditions from ancient Greece to the 21st century.
prereq: ENGL 22000
3 hrs 3 cr.

RUSS 29600 - Vladimir Nabokov Between Two Cultures

GER 3/A
Nabokov as a bilingual writer, including major works originally written in Russian and in English: Priglashenie na kazn’ (Invitation to a Beheading); Dar (The Gift); Drugie Berega (Other Shores); Speak, Memory; Pnin; Lolita and Pale Fire.
prereq: ENGL 22000 or perm dept.
3 hrs 3 cr.

RUSS 29700 - The Russian Urban Novel in English Translation (W)

GER 3/A
The interaction of a theme (the city) and a genre (the novel). Crime and Punishment, The Master and Margarita, We and others in their comparative context.
prereq: ENGL 22000 or perm dept.
3 hrs 3 cr.

RUSS 30100 - Advanced Russian I
Speaking, writing and reading Russian. Sentence structure; oral and written reports.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 30200 - Advanced Russian II

GER 3/A
Reading and critical analysis of selected literary and journalistic texts. Consideration of levels of style, problems of idiom and syntax. Written and oral reports.
prereq: RUSS 20200 or equiv
3 hrs 3 cr.

RUSS 31200 - Advanced Russian Conversation I

Conversation and oral exercises; discussions based on readings of social and cultural interest. Introduction to oral interpreting.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31300 - Advanced Russian Conversation II

Literary, political, social, scientific vocabulary. Scholarly reports and practical exchanges on selected topics.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31400 - Advanced Russian Grammar

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31500 - Advanced Russian Grammar and Stylistics

Practice in written composition; consideration of verbal aspects, cases, syntax and idiomatic language.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31700 - Practical Aspects of Translation

Introduction to techniques of translation. Translations of political, journalistic, commercial, scientific and literary texts.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31800 - Advanced Translation

Continuation of RUSS 317 on an advanced level. Further development of skills in translating diverse materials from Russian to English and from English to Russian.
prereq: ENGL 12000, RUSS 31700 or equiv; RUSS 20200 or equiv.
3 hrs 3 cr.
RUSS 31900 - Business Russian

Increase mastery of Russian vocabulary, style and syntax for translating and composing diverse business materials in such fields as finance, insurance, litigation, advertising and labor relations. Conducted in Russian.  
*prereq: RUSS 20200 or equiv.*  
*3 hrs*  

RUSS 32100 - Russian Short Story and Novella

Analysis of various texts and readings from Gogol, Chekhov, Babel, Solzhenitsyn.  
*prereq: RUSS 20200 or equiv.*  
*3 hrs*  

RUSS 32200 - Classical Russian Poetry

Major poets from the late 18th to mid-19th century, including Lomonosov, Derzhavin, Pushkin, Lermontov and Nekrasov.  
*prereq: RUSS 20200 or equiv.*  
*3 hrs*  

RUSS 32300 - Modern Russian Poetry

Major poets of the late 19th and 20th centuries, including Fet, Tyutchev, Blok, Mayakovsky, Esenin, Pasternak, Yevtushenko.  
*prereq: RUSS 20200 or equiv.*  
*3 hrs*  

RUSS 32400 - Literature of Kievan Rus' and Early Russian Literature through the Age of Classicism

Major literary works of the Kievan period, 968 to 1237: The Primary Chronicle, The Tale of Igor's Campaign.  
*prereq: RUSS 20200 or equiv.*  
*3 hrs*  

RUSS 34000 - 19th Century Russian Literature

Pushkin's Eugene Onegin, Lermontov’s Hero of Our Time, Gogol’s Dead Souls, Turgenev's Fathers and Sons and others.  
*prereq: RUSS 20200 or equiv.*  
*3 hrs*  

RUSS 34100 - Tolstoy and Dostoevsky

Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Anna Karenina, Dostoevsky's The Brothers...
RUSS 34200 - Modern Russian Literature

GER 3/A PD/D
Gorky, Mayakovsky, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.
prereq: RUSS 20200 or equiv.
3 hrs3 cr.

RUSS 34300 - Russian Theater

GER 3/A PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Pushkin, Gogol, Chekhov and others.
prereq: RUSS 20200 or equiv.
3 hrs3 cr.

RUSS 34400 - The Silver Age of Russian Literature

GER 3/A PD/D
Major writers and movements of years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.
prereq: RUSS 20200 or equiv.
3 hrs3 cr.

RUSS 36000 - Russian Women Writers

GER 3/A PD/C
cross-listed WGS 36100
prereq: RUSS 20200 or equiv.
3 hrs3 cr.

RUSS 37000 - Independent Study in Slavic Literatures and Cultures

prereq: ENGL 120
3 hrs3 cr.

RUSS 39900 - Second Language Acquisition

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.
prereq: at least three courses at the 300 level in the language, ENGL 120
3 hrs3 cr.

RUSS 49100 - Honors Project
Open to Russian majors only. Essay.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

UKR 30000 - Independent Study in Ukrainian Language and Literature
3 hrs 3 cr.

Comparative Literature

About Comparative Literature

The major in comparative literature is designed for students who are interested in a broad view of literature and in the diversity of literary cultures. The study of comparative literature considers literary movements and genres, as well as techniques and recurring themes in world literature.

The study of comparative literature prepares students for careers in teaching, interpreting, and translating, as well as those professions that recognize the importance of a broad humanistic education, including law and medicine.

Programs and Courses

Programs and Courses in Comparative Literature

Administration and Faculty

Program Office:
1318 West
(212) 772-5129/5093

Coordinator:
Paolo Fasoli
1318 West
(212) 772-5159
pfasoli@hunter.cuny.edu

Faculty
Comparative Literature Faculty

HEGIS Code: 1503

Comparative Literature - BA
Major Requirements

All majors take a core course in methodology, but the remaining classes in a student’s program are arranged with the coordinator in an effort to work out a balance between two different bodies of literature, two different literary periods, and two different genres. In addition to comparative literature courses in prose fiction, drama, myth and folklore, literary movements, and literature and the arts, majors may also elect appropriate classes from other literature departments, as well as from such disciplines as history, philosophy, art and anthropology, with the approval of the coordinator. Upon becoming a major, a student will, in consultation with the coordinator, choose one member of the comparative literature committee as an adviser and plan an individualized program. All majors are required to review their programs with their adviser once a semester.

The comparative literature major consists of 30 credits distributed as follows:

A. Concentration in at least two periods and in two genres.

B. At least 9 credits in COMP-prefixed courses, beginning with the following

(all of these courses will be taught in English)

**COMPL 30100 - Seminar: Approaches to Comparative Literature**

Study of selected major works to demonstrate scope and various approaches of comparative literature. Focus on conscious imitation, treatment of similar themes, use of well-defined genres and conventions as well as of concepts from history of ideas. Emphasis on close reading of texts and development of itical vocabulary. 
*Required of all majors in comparative literature.*
3 hrs3 cr.

C. 21 credits in literature courses

distributed so that at least 12 credits are courses studied in the original language (be it a foreign language, if the student is proficient in that language, or English). Courses at the 300 level are strongly preferred, although exceptions may be granted by the adviser.

Minor for Students Majoring in Comparative Literature

A 12 credit minor is required. Students will be advised by their Comparative Literature faculty mentor to choose a discipline that will complement and enrich their major field of study.

Minor in Comparative Literature for Students Majoring in Other Programs

If this minor is recommended by the major department, students may consult a Comparative Literature adviser who will help them select suitable courses.

Honors
Students are eligible for departmental honors if their GPA in the major is no less than 3.5. The student must also take at least 3 credits (but no more than 6 credits) in honors courses offered by the program and approved by the adviser. The offerings of the Comparative Literature Program are determined by the needs of students in the program and the faculty available. For specific information, consult the coordinator.

**Prerequisite**

**ENGL 22000 - Introduction to Literature**

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students’ understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.

/prereq: ENGL 12000
3 hrs + conf 3 cr.

**Computer Science**

**About the Department**

The Department of Computer Science provides students with outstanding preparation both for employment as computer professionals and for graduate study. Students use a broad spectrum of programming languages and machine architectures and are expected to construct creative solutions to challenging problems in a variety of contexts. In addition, students are educated in the mathematics of computer science — the theoretical foundations that support current technology and will guide its future development. Students may work with faculty who engage in research, publish books and articles in highly respected journals and receive grants to pursue significant research. The department takes an active interest in students’ goals and provides extensive advising and guidance.

**Programs and Courses**

Programs and Courses in Computer Science

**Administration and Faculty**

**Department Office:**

1008 North  
(212) 772-5213  
Web site: [http://www.cs.hunter.cuny.edu](http://www.cs.hunter.cuny.edu)  
Email: csinfo@hunter.cuny.edu

**Chair:**

*Virginia Teller*  
1008 B North  
(212) 650-3074  
[ virginia.teller@hunter.cuny.edu](mailto:virginia.teller@hunter.cuny.edu)
Faculty

Computer Science Faculty

HEGIS Code: 0701

Computer Science - BA

- Computer Science with Concentration in Bioinformatics - BA

Major

The computer science major consists of 39 credits in CSCI courses and a collateral 14 credits in MATH/STAT courses.

Preliminary Course

Before being permitted to enter computer science as a major, a student must complete the following two courses each with a grade of C or better. Students planning to pursue a computer science major are strongly encouraged to declare their major as soon as possible after completing CSCI 13500 and CSCI 13600 and to seek help from a faculty adviser for assistance with individual curriculum planning.

CSCI 13500 - Software Analysis and Design I

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.

prereq: CSCI 12700 or equivalent
coreq: CSCI 13600
3 hrs3 cr.

CSCI 13600 - Supervised Programming Lab

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment.

May not be counted towards the computer science major.
coreq: CSCI 13500
2 hrs1 cr.

Required Courses

All computer science majors (except those following requirements for the Computer Science with Concentration in Bioinformatics - BA) must complete successfully the following courses with a grade of C or better:

CSCI 15000 - Discrete Structures

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.
prereq: MATH 12500, 15000 or 15500
3 hrs3 cr.

CSCI 16000 - Computer Architecture I

GER 3/B
Boolean algebra, data representation, combinational circuits and minimization, sequential circuits.

prereq: CSCI 12700, 15000
3 hrs3 cr.

CSCI 23500 - Software Analysis and Design II

GER 3/B
Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.
prereq: CSCI 13500, 15000; MATH 15000
3 hrs3 cr.

CSCI 26000 - Computer Architecture II

GER 3/B
Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.
prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs3 cr.

CSCI 26500 - Computer Theory I

GER 3/B
Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata.
prereq: CSCI 16000 or 14500; MATH 15000
3 hrs3 cr.

CSCI 33500 - Software Analysis and Design III

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.
prereq: CSCI 23500, MATH 15500
3 hrs3 cr.

CSCI 34000 - Operating Systems

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/
multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.

**prereq:** CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300

3 hrs3 cr.

**CSCI 36000 - Computer Architecture III**

GER 3/B

High performance computer architectures, including massively parallel SIMD and MIMD machines and distributed architectures.

**prereq:** CSCI 26000 or 24500; MATH 15500

3 hrs3 cr.

**CSCI 49900 - Advanced Applications: A Capstone for Majors**

A chance for computer science majors to test their mettle on major projects. Working in small groups they will implement systems that involve at least two platforms running programs written in at least three languages.

**prereq:** All non-elective courses in Computer Science required for graduation or permission of instructor.

4 hrs4 cr.

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B

Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

**prereq:** grade of C or better in MATH 12500 or appropriate score on placement exam.

4 hrs4 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B

Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

**prereq:** grade of C or better in MATH 15000

4 hrs4 cr.

**MATH 16000 - Matrix Algebra**

GER 1/B

Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.

**prereq:** MATH 12500 or appropriate score on placement exam

3 hrs3 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B

Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
Electives

Students who declared their major in spring 2009 or before

Students who declared their major in or before spring 2009 are held bound by this rule: In addition to the preliminary and required courses, each major must complete 15 hours of elective credits from CSCI courses higher than 200-level with a grade of C or better. At least 12 elective credits must be in classes other than CSCI 39100, CSCI 39200, and CSCI 39300. With departmental permission, certain appropriate upper-level electives from other academic departments may be substituted. They are not required to take CSCI 49900, but may choose it as an elective.

Students who declared their major after Spring 2009

Students who declared their major after spring 2009 take a minimum of 11 (rather than 15) elective credit hours and are required to successfully complete CSCI 49900, after having successfully completed all other required courses for the major.

Recommended course sequence for entering freshmen without credit for pre-calculus and without prior computer programming experience:

Term 1

**MATH 12500 - Precalculus**

GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.

*prereq: grade of C or better in MATH 10100 or appropriate score on placement exam*

*4 hrs 4 cr.*

**CSCI 12700 - Introduction to Computer Science**

GER 2/E
A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides.

*May not be used toward the CSCI major or minor.*

*prereq or coreq: MATH 12100, 12500 or 15000*

*3 hrs 3 cr.*

Term 2

**CSCI 13500 - Software Analysis and Design I**
This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.

**prereq:** CSCI 12700 or equivalent

**coreq:** CSCI 13600

3 hrs 3 cr.

**CSCI 13600 - Supervised Programming Lab**

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment.

*May not be counted towards the computer science major.*

**coreq:** CSCI 13500

2 hrs 1 cr.

**CSCI 15000 - Discrete Structures**

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.

**prereq:** MATH 12500, 15000 or 15500

3 hrs 3 cr.

**Term 3**

**CSCI 16000 - Computer Architecture I**

GER 3/B

Boolean algebra, data representation, combinational circuits and minimization, sequential circuits.

**prereq:** CSCI 12700, 15000

3 hrs 3 cr.

**CSCI 15000 - Discrete Structures**

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.

**prereq:** MATH 12500, 15000 or 15500

3 hrs 3 cr.

**Term 4**

**CSCI 23500 - Software Analysis and Design II**

GER 3/B

Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.

**prereq:** CSCI 13500, 15000; MATH 15000

3 hrs 3 cr.
MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

*prereq: grade of C or better in MATH 15000
4 hrs 4 cr.*

Term 5

CSCI 26000 - Computer Architecture II

GER 3/B
Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.

*prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs 3 cr.*

CSCI 33500 - Software Analysis and Design III

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.

*prereq: CSCI 23500, MATH 15000
3 hrs 3 cr.*

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.

*prereq: MATH 12500 or appropriate score on placement exam
3 hrs 3 cr.*

Term 6

CSCI 26500 - Computer Theory I

GER 3/B
Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata.

*prereq: CSCI 16000 or 14500; MATH 15000
3 hrs 3 cr.*

CSCI 36000 - Computer Architecture III

GER 3/B
High performance computer architectures, including massively parallel SIMD and MIMD machines and distributed architectures.

prereq: CSCI 26000 or 24500; MATH 15500

3 hrs 3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.

3 hrs 3 cr.

Term 7

CSCI 34000 - Operating Systems

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.

prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300

3 hrs 3 cr.

• 2 CSCI electives

Term 8

CSCI 49900 - Advanced Applications: A Capstone for Majors

A chance for computer science majors to test their mettle on major projects. Working in small groups they will implement systems that involve at least two platforms running programs written in at least three languages.

prereq: All non-elective courses in Computer Science required for graduation or permission of instructor.

4 hrs 4 cr.

and 2 CSCI electives

Additional Information

Students with both credit for pre-calculus and prior computer programming experience can begin with Semester 2.

Recommended course sequence for students with transfer credit for CSCI 13500, 15000 and 16000 and MATH 15000 and 15500:

Term 1

CSCI 23500 - Software Analysis and Design II
GER 3/B
Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.

**prereq:** CSCI 13500, 15000; MATH 15000

3 hrs3 cr.

**CSCI 26000 - Computer Architecture II**

GER 3/B
Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.

**prereq:** CSCI 13500, 16000 or 24500; MATH 15000

3 hrs3 cr.

**MATH 16000 - Matrix Algebra**

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.

**prereq:** MATH 12500 or appropriate score on placement exam

3 hrs3 cr.

**Term 2**

**CSCI 33500 - Software Analysis and Design III**

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.

**prereq:** CSCI 23500, MATH 15000

3 hrs3 cr.

**CSCI 26500 - Computer Theory I**

GER 3/B
Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata.

**prereq:** CSCI 16000 or 14500; MATH 15000

3 hrs3 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

**prereq:** MATH 12500 or appropriate score on placement exam.

3 hrs3 cr.
Term 3

CSCI 34000 - Operating Systems

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.

prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300
3 hrs 3 cr.

- 2 CSCI electives

Term 4

CSCI 36000 - Computer Architecture III

GER 3/B
High performance computer architectures, including massively parallel SIMD and MIMD machines and distributed architectures.

prereq: CSCI 26000 or 24500; MATH 15500
3 hrs 3 cr.

CSCI 49900 - Advanced Applications: A Capstone for Majors

A chance for computer science majors to test their mettle on major projects. Working in small groups they will implement systems that involve at least two platforms running programs written in at least three languages.

prereq: All non-elective courses in Computer Science required for graduation or permission of instructor.
4 hrs 4 cr.

- and 2 CSCI electives

Recommended course sequence for students in the bioinformatics concentration:

Term 1

CSCI 12700 - Introduction to Computer Science

GER 2/E
A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides.

May not be used toward the CSCI major or minor.
prereq or coreq: MATH 12100, 12500 or 15000
3 hrs 3 cr.
MATH 12500 - Precalculus

GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.

prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
4 hrs4 cr.

Term 2

CSCI 13500 - Software Analysis and Design I

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.

prereq: CSCI 12700 or equivalent coreq: CSCI 13600
3 hrs3 cr.

CSCI 13600 - Supervised Programming Lab

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment.

May not be counted towards the computer science major.
coreq: CSCI 13500
2 hrs1 cr.

CSCI 15000 - Discrete Structures

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.

prereq: MATH 12500, 15000 or 15500
3 hrs3 cr.

Term 3

CSCI 26000 - Computer Architecture II

GER 3/B
Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.

prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs3 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
**prereq:** grade of C or better in MATH 12500 or appropriate score on placement exam.  
4 hrs 4 cr.

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D  
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.  
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.  
**prereq:** MATH 10100 or equivalent  
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.  
fall only

**Term 4**

**CSCI 23500 - Software Analysis and Design II**

GER 3/B  
Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.  
**prereq:** CSCI 13500, 15000; MATH 15000  
3 hrs 3 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B  
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.  
**prereq:** grade of C or better in MATH 15000  
4 hrs 4 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E  
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.  
*Primarily for pre-med, medical laboratory sciences and science majors.*  
**prereq or coreq:** MATH 12500, 12600 or equiv.  
5 hrs (4 lec, 1 rec) 4 cr.

**Term 5**

**CSCI 33500 - Software Analysis and Design III**

GER 3/B  
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.
prereq: CSCI 23500, MATH 15500
3 hrs 3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. 
 Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory. 
 Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

Term 6

CSCI 34000 - Operating Systems

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/ multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.
prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300
3 hrs 3 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs 3 cr.
CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

Term 7

CSCI 43500 - Database Management

GER 3/B
Hierarchical and network databases; theory of relational databases; normalization theory; query languages.
prereq: CSCI 33500
3 hrs3 cr.

STAT 31900 - Bayesian Statistical Inference in the Sciences

GER 3/B
prereq: MATH 15500; at least one of STAT 21200, STAT 21300 or STAT 21400 (or permission of instructor). Prerequisites waived for students who have passed STAT 311. Familiarity with matrix algebra (at the level of MATH 160) and with the Windows computing environment are encouraged.
3 hrs3 cr

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22000, 22300 coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

Term 8

Minor in Computer Science

A minor in Computer Science consists of 13-14 credits of coursework. These credits include the following required courses – note that MATH 12500 is a prerequisite course to CSCI 12700 however MATH 125 does not count towards the Computer Science Minor:
CSCI 12700 - Introduction to Computer Science

GER 2/E
A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides. *May not be used toward the CSCI major or minor.*
*prereq or coreq: MATH 12100, 12500 or 15000*
3 hrs3 cr.

CSCI 13300 - Programming for Everyone

GER 2/E
A comprehensive practical course in programming that concentrates on producing working software for games, simulations, animations, data manipulations, interacting with the Internet, graphical user interfaces and many other application areas. No programming experience is necessary. This course is required for Computer Science minors. This course does not count toward the computer science major.

3 hrs3 cr.

CSCI 23200 - Relational Databases and SQL Programming, with Lab

GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment. *Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.*
*prereq: CSCI 13200*
3 hrs3 cr.

CSCI 23300 - Programming Projects Seminar for Minors

This course will serve as a capstone for the minor, affording students the opportunity to write reasonably large and complex programs. Students will be expected to draw topics for these programs from their majors or other areas of interest. This course does not count toward the computer science major.
*prereq or coreq: CSCI 13300 and 23200 and a declared Computer Science Minor.*
2 hrs.1 credit

In addition, students will be required to take at least one 3 credit elective selected from Computer Science offerings numbered 13500 or above. Although minors may take any Computer Science course numbered 135 or above, courses that require only one or more of the above courses as prerequisites include:

CSCI 13500 - Software Analysis and Design I

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.
*prereq: CSCI 12700 or equivalent* coreq: CSCI 13600
3 hrs3 cr.
CSCI 13600 - Supervised Programming Lab

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment. 

May not be counted towards the computer science major.

coreq: CSCI 13500
2 hrs 1 cr.

CSCI 15000 - Discrete Structures

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.

prereq: MATH 12500, 15000 or 15500
3 hrs 3 cr.

CSCI 16000 - Computer Architecture I

GER 3/B
Boolean algebra, data representation, combinational circuits and minimization, sequential circuits.

prereq: CSCI 12700, 15000
3 hrs 3 cr.

CSCI 26700 - Microprocessors and Embedded Systems

GER 3/B
Students will assemble and program a small single board computer to control, or simulate control of, some device.

prereq: CSCI 13300 or 26000
3 hrs 3 cr.

Note

All prerequisites must be fulfilled for any CSCI course. The only exception is a written waiver from the instructor.

Prospective minors should be aware that this course of study usually requires a minimum of four semesters to complete.

Please note

Computer science majors cannot choose computer science for their minor.

Minors for Computer Science Majors

Hunter College no longer requires students to take a minor field of study in conjunction with their major. Nevertheless, because of the broad spectrum of interests among computer science majors at Hunter, students interested in pursuing a
minor field of study may wish to combine a minor with the computer science major in is such fields as mathemantics, geography, economics, film and media.

Mathematics - BA
Geography - BA
Economics - BA
Film - BA
Media Studies - BA

Consult an adviser in the department of the minor you wish to pursue for further information.

Honors

To graduate from Hunter College with honors in computer science, a student must have at least a 2.7 GPA overall and a 3.5 GPA or better in computer science/math and a grade of A in one of the CSCI 49300 series of courses.

Additional Information

The “one repeat” rule is in effect for all courses to be used toward the major, from CSCI 13500 through the 400-level courses. This means that if a student fails a CSCI major course once (failure = D, F, NC, WU), that student will have only one more chance to pass the course. In addition, the Computer Science Department will not accept a CR grade in any of the preliminary or required courses for the major (CSCI 13500, CSCI 15000, CSCI 16000, CSCI 23500, CSCI 26000, CSCI 26500, CSCI 33500, CSCI 34000, CSCI 36000). Any student wishing to declare computer science as a major who has received a grade of CR in any of the CSCI courses listed above, must ask the instructor of that course to change the CR grade to the appropriate letter grade. This must be done before the declaration of major form can be authorized.

Please note: A grade of “D” is not considered a passing grade by this department for any of the computer science or math courses required for the major.

Computer Science with Concentration in Bioinformatics - BA

Preliminary Courses

A student may declare a concentration in bioinformatics upon successful completion of CSCI 13500 - Software Analysis and Design I when declaring computer science as a major field of study.

Required Courses
Students must obtain a grade of C or better in the following courses:

**Computer science component 24 credits**

**CSCI 13500 - Software Analysis and Design I**

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.

*prereq: CSCI 12700 or equivalent*  
*coreq: CSCI 13600*  
3 hrs 3 cr.

**CSCI 15000 - Discrete Structures**

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.

*prereq: MATH 12500, 15000 or 15500*  
3 hrs 3 cr.

**CSCI 23500 - Software Analysis and Design II**

GER 3/B  
Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.

*prereq: CSCI 13500, 15000; MATH 15000*  
3 hrs 3 cr.

**CSCI 26000 - Computer Architecture II**

GER 3/B  
Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.

*prereq: CSCI 13500, 16000 or 24500; MATH 15000*  
3 hrs 3 cr.

**CSCI 33500 - Software Analysis and Design III**

GER 3/B  
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.

*prereq: CSCI 23500, MATH 15500*  
3 hrs 3 cr.

**CSCI 34000 - Operating Systems**

GER 3/B  
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.
prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300
3 hrs3 cr.

CSCI 43500 - Database Management

GER 3/B
Hierarchical and network databases; theory of relational databases; normalization theory; query languages.
prereq: CSCI 33500
3 hrs3 cr.

CSCI 49366 - UNIX System Programming

GER 3/B
An introduction to the key components of the UNIX application programming interface, including files, processes, terminal control, signals, interprocess communication, the ncurses library, and multi-threading. Includes basic of the internal structure of the UNIX operating system, and selected user-level utilities and commands for efficient programming and working in UNIX.
prereq or coreq: CSCI 23500, 34000
3 hours3 credits

Math and statistics component 17 credits

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses,
including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

*prereq: MATH 12500 or appropriate score on placement exam.*
3 hrs 3 cr.

**STAT 31900 - Bayesian Statistical Inference in the Sciences**

*GER 3/B*

*prereq: MATH 15500; at least one of STAT 21200, STAT 21300 or STAT 21400 (or permission of instructor).*
*Prerequisites waived for students who have passed STAT 311.*
Familiarity with matrix algebra (at the level of MATH 160) and with the Windows computing environment are encouraged.

3 hrs 3 cr

**Biology component 12 credits**

**BIOL 10000 - Principles of Biology I**

*GER 2/E PD/C or D*
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

*S5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.*

*prereq: MATH 10100 or equivalent*
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

**BIOL 30000 - Biological Chemistry**

*GER 3/B*
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.

*$10 materials fee required.*

*prereq: BIOL 20200, CHEM 22200, 22300*  
coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

-or-

**BIOL 30200 - Molecular Genetics**

*GER 3/B*
A comparison of viral, procaryotic and eucaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition;
applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.

$10 materials fee required.

prereq: BIOL 30000

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

**BIOL 42500 - Computational Molecular Biology**

GER 3/B

An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of *in silico* biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and prediction of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting. *Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.*

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.

**Chemistry component 12 credits**

**CHEM 10200 - General Chemistry I**

GER 2/E

In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. *Primarily for pre-med, medical laboratory sciences and science majors.*

prereq or coreq: MATH 12500, 12600 or equiv.

5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E

In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. *Primarily for premed, medical laboratory sciences and science majors.*

prereq: CHEM 10200 or CHEM 10000 with perm chair

5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E

Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*

prereq: CHEM 10200

coreq: CHEM 10400

8 hrs (6 lab, 2 rec) 3 cr.
CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

Total Credits 65

Additional Information

Prerequisites for certain courses are waived for students opting for this concentration: BIOL 20200 and CHEM 22300 are waived for BIOL 30000; BIOL 30000 is waived for BIOL 30200; and CSCI 16000 is waived for CSCI 26000 and CSCI 34000.

Recommended course sequence for students in the bioinformatics concentration:

Term 1

CSCI 12700 - Introduction to Computer Science

GER 2/E
A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides.
May not be used toward the CSCI major or minor.
prereq or coreq: MATH 12100, 12500 or 15000
3 hrs3 cr.

MATH 12500 - Precalculus

GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.
prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
4 hrs4 cr.

Term 2

CSCI 13500 - Software Analysis and Design I

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.
prereq: CSCI 12700 or equivalentcoreq: CSCI 13600
3 hrs3 cr.
CSCI 13600 - Supervised Programming Lab

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment. 

*May not be counted towards the computer science major.*

**coreq:** CSCI 13500
2 hrs 1 cr.

CSCI 15000 - Discrete Structures

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.

**prereq:** MATH 12500, 15000 or 15500
3 hrs 3 cr.

Term 3

CSCI 26000 - Computer Architecture II

GER 3/B

Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.

**prereq:** CSCI 13500, 16000 or 24500; MATH 15000
3 hrs 3 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B

Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

**prereq:** grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D

The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

**prereq:** MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

fall only

Term 4

CSCI 23500 - Software Analysis and Design II
GER 3/B
Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.

prereq: CSCI 13500, 15000; MATH 15000
3 hrs3 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000
4 hrs4 cr.

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

Primarily for pre-med, medical laboratory sciences and science majors.

prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

Term 5

CSCI 33500 - Software Analysis and Design III

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.

prereq: CSCI 23500, MATH 15500
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

Primarily for premed, medical laboratory sciences and science majors.

prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.
CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
\textit{Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.}
\textit{prereq: CHEM 10200}
\textit{coreq: CHEM 10400}
8 hrs (6 lab, 2 rec) 3 cr.

Term 6

CSCI 34000 - Operating Systems

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.
\textit{prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300}
3 hrs 3 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
\textit{prereq: MATH 12500 or appropriate score on placement exam}
3 hrs 3 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
\textit{prereq: prereq for CHEM 22200: CHEM 10400}
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

Term 7

CSCI 43500 - Database Management

GER 3/B
Hierarchical and network databases; theory of relational databases; normalization theory; query languages.
\textit{prereq: CSCI 33500}
3 hrs 3 cr.

STAT 31900 - Bayesian Statistical Inference in the Sciences

GER 3/B
Fundamental principles and techniques of probability, statistical inference and data analysis, as pertains to the sciences, especially bioinformatics. Random variables and their distributions. Central limit theorem. Conditional probability,

prereq: MATH 15500; at least one of STAT 21200, STAT 21300 or STAT 21400 (or permission of instructor).
Prerequisites waived for students who have passed STAT 311.
Familiarity with matrix algebra (at the level of MATH 160) and with the Windows computing environment are encouraged.

3 hrs3 cr

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300 coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

Term 8

CSCI 49366 - UNIX System Programming

GER 3/B
An introduction to the key components of the UNIX application programming interface, including files, processes, terminal control, signals, interprocess communication, the ncurses library, and multi-threading. Includes basic of the internal structure of the UNIX operating system, and selected user-level utilities and commands for efficient programming and working in UNIX.
prereq or coreq: CSCI 23500, 34000
3 hours3 credits

BIOL 42500 - Computational Molecular Biology

GER 3/B
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of in silico biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and predication of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting.
Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.

Dance
About the Program

The Hunter College Dance program offers an opportunity to pursue a BA degree in dance within the context of a strong liberal arts education. From a campus in the heart of New York City, the dance major or minor student has the unique opportunity of interfacing with many professional dance companies, choreographers and critics who live and work in New York. The modern dance-based curriculum provides the student with opportunities to pursue careers in performance, choreography, teaching, arts administration and production. The curriculum is enriched by community outreach performances, repertory classes with New York-based choreographers, specialty workshops, dance clubs, international performances, internships and New York State teaching certification. In addition, Hunter Dance hosts “Sharing the Legacy,” an ongoing series of conferences, forums and concerts devoted to experiencing dance masterworks of the twentieth century.

The Dance Program offers a broad based curriculum with an emphasis on modern dance, including three major areas of study:

I. Technique (modern, ballet, traditional, folk);
II. Creative theory and performance (improvisation, composition, production, repertory, lecture/demonstration touring company);
III. Theoretical and scientific aspects of dance (musicianship for dancers, dance history, theory and practice of teaching, anatomy and kinesiology, movement re-education).

Course Listings

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

Programs and Courses

Programs and Courses in Dance

Administration and Faculty

Program Office:
614 Thomas Hunter
(212) 772-5012
Web site: http://www.hunter.cuny.edu/~dance/

Director:

Jana Feinman
614 Thomas Hunter
(212) 772-5010
jfeinman@hunter.cuny.edu

Faculty

Dance Faculty
Dance - BA

Major

(34 credits)

A placement audition is required of all incoming majors, as well as of all second-year majors. All dance majors are required to be registered in at least one technique class every semester they are in attendance at Hunter. Performance, choreography and technical production requirements are to be fulfilled prior to graduation. These requirements include:

1. Performance in at least two (2) concerts.
2. Choreography of at least two (2) works:
   a. solo performed in open composition.
   b. group work developed during fall and spring semesters and performed in formal concert.
3. Production crew work in two (2) concerts: two (2) formal concerts or one (1) formal and one (1) informal concert.

Policy on advancement through the technique curriculum

All dance students should be aware that completion of a dance technique course for a passing grade does not automatically insure acceptance into the next level of technique. For example, if you pass the Fundamentals of Contemporary Dance course, you may not necessarily be admitted to Contemporary Dance Technique I.

Your instructor will, at the end of the current course, advise you to either repeat the course for credit or to move on to the next level. (You can take technique courses twice for credit, and it is also possible to audit thereafter.) It is neither safe nor constructive to place yourself in a class that is not appropriate for your skill level. The quality of your dance education is of utmost importance to us — this policy is designed to maintain the highest standards of learning and achievement.

The following 34-credit curriculum is required of all majors.

DAN 15100 - Folk Forms of Dance I

Development of basic dance skills necessary for participation in international folk dances. Students are exposed to dance and music of world cultures.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

3 hrs 1 cr.

DAN 21000 - Contemporary Dance Technique I

GER 3/A

Analytical and physical study of basic concepts of dance: space, time, dynamics and design. Intermediate development of movement skills and vocabulary as required by professional demands. May be taken 2 times for credit with
permission of the department.

prereq: DAN 10100, perm dept, audition
3 hrs 2 cr.

DAN 21300 - Basic Musicianship for Dancers

GER 3/A
Basic music theory in relation to dance. Development of auditory and kinesthetic understanding of melody, rhythm and harmony through movement. Open only to Dance majors and minors.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 21000
3 hrs 2 cr.

DAN 22000 - Contemporary Dance Technique II

GER 3/A
Development of expanded movement vocabulary and increased facility; understanding dance as means of communication; ordering of movement to produce controlled performance. May be taken two times for credit with permission of the department.

prereq: DAN 21000, perm dept, audition
3 hrs 2 cr.

DAN 22100 - Improvisation as a Creative Process I

GER 3/A
Introduction to basic skills of structured improvisation; use of these skills by individual students to explore their creative movement potential.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq or coreq: DAN 21000 or perm dept.
3 hrs 2 cr.

DAN 23200 - 20th-Century Dance History

GER 2/D PD/D
Readings, lectures, films, discussions of 20th century ballet, modern, social and popular theatre dance forms; analysis of individual styles and cultural trends.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

3 hrs 3 cr.

DAN 24500 - Ballet I

GER 3/A
Intermediate level study of stylistic demands and vocabulary of ballet and introduction to ballet traditions. May be taken two times for credit with permission of the department.

prereq: DAN 14500, perm dept, audition
3 hrs 2 cr.

DAN 31000 - Contemporary Dance Technique III
GER 3/A
Advanced movement experience to prepare students to carry out their own creative demands or demands of other
choreographers; continued in depth study of all concepts of dance. May be taken two times for credit with permission
of the department.
prereq: DAN 22000, audition
3 hrs 2 cr.

DAN 32000 - Contemporary Dance Technique IV

GER 3/A
Development of pure dance skills to enable student to learn specific styles of dance; emphasis on expanding dynamic
range and clarifying performance intention. May be taken two times for credit with permission of the department.
prereq: DAN 31000, audition
3 hrs 2 cr.

DAN 32100 - Composition I

GER 3/A
Assignments geared to challenge and develop creative skills; emphasis on understanding form and its relation to
content; mastering structural requirements of composition.
prereq: DAN 22100
3 hrs, 3 hrs open studio 2 cr.

DAN 32400 - Production I

GER 3/A
Practical experience in all aspects of production that contribute to realization of student's choreographic intentions:
costumes, sets, lighting, publicity and business skills.
prereq: DAN 32100 or perm dept.
3 hrs, 3 hrs open studio 3 cr.

DAN 34500 - Ballet II

GER 3/A
Continuation of traditional exercises to acquaint student with elements of classic ballet; emphasis on development of
advanced technical ability. May be taken two times for credit with permission of the department.
prereq: DAN 24500, audition
3 hrs 2 cr.

DAN 35000 - Anatomy and Kinesiology for Dancers

GER 3/A
Anatomy of skeletal, muscular and neuromuscular systems; anatomical analysis of basic movement; application of
anatomical information to proper and successful performance of dance.
prereq: DAN 22000, audition
3 hrs 2 cr.
and minors in order to assure that required coursework will be completed in time for graduation.

**DAN 42200 - Choreographic Projects**

GER 3/A
Independent student choreographic works in preparation for performance in concert. Registration once per academic year.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

**DAN 44000 - Lecture/Demonstration Touring Group**

GER 3/A
Performance of prescribed choreography in lecture/demonstration format to be presented in public schools on a weekly basis during the fall semester. Open to dance majors/minors only. Students must be available to rehearse intensively for 1 week before classes begin.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

**Additional Information**

The undergraduate adviser suggests the appropriate sequence of electives for the career specialization the student chooses.

**Prerequisites for all dance majors:**

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

*prereq: successful completion of developmental courses, if required*

3 hrs + conf 3 cr.

**DAN 10100 - Fundamentals of Contemporary Dance Technique**

Survey of concepts involved in understanding and integrating physicality and creativity through movement. Review of basic skills required for further study. May be taken two times for credit with permission of the department.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

**prereq: minimum 12 cr, audition**

3 hrs 2 cr.

**DAN 10200 - Dance, Dancers and the Audience**
GER 2/D
Lecture demonstration course designed to introduce students to the art of dance through analysis of history, dance style and socio-political underpinnings. This course includes participation in both lecture and movement sessions. 

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: minimum 12 cr.
3 hrs 3 cr.

DAN 14500 - Fundamentals of Ballet

Introduction to fundamental skills and nomenclature of ballet. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: minimum 12 cr, audition
3 hrs 2 cr.

• Permission of Dance adviser

Minor in Dance

The Hunter College Dance Program Minor in Dance (a minimum of 16 required credits) is designed to allow students to pursue a variety of interests in the field, from performance and creative work to analysis, production and pedagogy.

Required courses (a minimum of 16 credits total)

The following 2 courses must be taken prior to declaration of the minor:

DAN 10100 - Fundamentals of Contemporary Dance Technique

Survey of concepts involved in understanding and integrating physicality and creativity through movement. Review of basic skills required for further study. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: minimum 12 cr, audition
3 hrs 2 cr.

DAN 10200 - Dance, Dancers and the Audience

GER 2/D
Lecture demonstration course designed to introduce students to the art of dance through analysis of history, dance style and socio-political underpinnings. This course includes participation in both lecture and movement sessions.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: minimum 12 cr.
3 hrs 3 cr.

Additional required courses

DAN 21000 - Contemporary Dance Technique I
GER 3/A
Analytical and physical study of basic concepts of dance: space, time, dynamics and design. Intermediate development of movement skills and vocabulary as required by professional demands. May be taken 2 times for credit with permission of the department.
prereq: DAN 10100, perm dept, audition
3 hrs2 cr.

DAN 22100 - Improvisation as a Creative Process I

GER 3/A
Introduction to basic skills of structured improvisation; use of these skills by individual students to explore their creative movement potential.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq or coreq: DAN 21000 or perm dept.
3 hrs2 cr.

1 additional dance technique course, selected from the following

DAN 14500 - Fundamentals of Ballet

Introduction to fundamental skills and nomenclature of ballet. May be taken two times for credit with permission of the department.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: minimum 12 cr, audition
3 hrs2 cr.

DAN 15100 - Folk Forms of Dance I

Development of basic dance skills necessary for participation in international folk dances. Students are exposed to dance and music of world cultures.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
3 hrs1 cr.

DAN 22000 - Contemporary Dance Technique II

GER 3/A
Development of expanded movement vocabulary and increased facility; understanding dance as means of communication; ordering of movement to produce controlled performance. May be taken two times for credit with permission of the department.
prereq: DAN 21000, perm dept, audition
3 hrs2 cr.

DAN 24500 - Ballet I

GER 3/A
Intermediate level study of stylistic demands and vocabulary of ballet and introduction to ballet traditions. May be taken two times for credit with permission of the department.
**DAN 25200 - Special Topics: Traditional Dance I**

GER 3/A PD/A
Introduction to the cultural background and basic techniques of individual traditions of dance, such as African, Classical Indian, Afro-Brazilian, T’ai Chi, Capoeira, Yoga and advanced post-modern dance. May be taken two times for credit with permission of the department.

*prereq: audition*

3 hrs 2 cr.

**DAN 31000 - Contemporary Dance Technique III**

GER 3/A
Advanced movement experience to prepare students to carry out their own creative demands or demands of other choreographers; continued in depth study of all concepts of dance. May be taken two times for credit with permission of the department.

*prereq: DAN 22000, audition*

3 hrs 2 cr.

**DAN 32000 - Contemporary Dance Technique IV**

GER 3/A
Development of pure dance skills to enable student to learn specific styles of dance; emphasis on expanding dynamic range and clarifying performance intention. May be taken two times for credit with permission of the department.

*prereq: DAN 31000, audition*

3 hrs 2 cr.

**DAN 34500 - Ballet II**

GER 3/A
Continuation of traditional exercises to acquaint student with elements of classic ballet; emphasis on development of advanced technical ability. May be taken two times for credit with permission of the department.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

*prereq: DAN 24500, audition*

3 hrs 2 cr.

**DAN 35200 - Special Topics: Traditional Dance II**

GER 3/A PD/A
Continuation of DAN 25200.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

*prereq: DAN 25200, audition*

3 hrs 2 cr.

A minimum of 6 additional credits in Dance (choices must be approved by Dance Faculty Adviser):
Any DAN course at the 200 level or above (At least one of these must be a 3-credit course)

Participation on one production crew

Participation on one production crew team for a fully produced dance program concert

Note:

Placement in technique courses above the Fundamentals level is by placement audition, recommendation of instructor, or department permission. Repeated courses may not be counted in these requirements.

Grading

All dance majors and minors must receive a letter grade for all dance classes. Grades of “NC” or “CR” are not permissible.

Economics

About the Department

One way to define the scope of economics is to say that it is the social science that deals with how best to use scarce resources to satisfy unlimited human needs and wants. While economists do not claim to have the answer to what humans should want, they do have something to say about how to get it. Economics is more about how to think than what to think.

Economics students become problem solvers. They learn to analyze a situation, figure out what is important and determine what can be abstracted away. The economics curriculum stresses the development of general problem-solving skills: finding, gathering and interpreting information; predicting the consequences of decisions; evaluating alternative courses of action; and analyzing the management of resources in both the public and private sectors. At the same time, economics students learn about the institutions and rules that shape daily life — the monetary system, the stock and bond markets and the regulatory system that mandates warning labels on cigarette packs and seat belts in automobiles.

Many professional economists enter government at the federal, state, or local level, either in research or policy-making positions. Some are employed by businesses, financial institutions, labor unions, trade associations and consulting firms. Still others are involved in teaching and research in colleges and universities. While an undergraduate major in economics does not lead directly to professional accreditation, it provides students with a point of view and a set of skills that will be useful in almost any path taken after the completion of the major. A major in economics is especially valuable for those who plan careers in finance, management, law, journalism, or public policy.

Accountants specialize in measuring, reporting and interpreting the financial aspects of business, governments and institutional activities. Accounting provides the information necessary to determine and evaluate both present and projected economic activities of organizations. Professional accountants develop and apply their skills in auditing, taxation, management policy, information systems, computer operations and many other areas.

Nearly half of all accounting graduates are employed by public accounting firms. The remainder join private firms, engage in research and consulting, practice in the government sector, or continue their education on the graduate level.

Programs and Courses

Programs and Courses in Economics
Administration and Faculty

Department Office:

1524 West  
(212) 772-5400  
Web site: http://econ.hunter.cuny.edu

Chair:

Marjorie Honig  
1501 West  
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Fax: 212-772-5398  
mhonig@hunter.cuny.edu

Director of Accounting Program:

Fatma Cebenoyan  
1521 West  
212 772-5393  
fatma.cebenoyan@hunter.cuny.edu

Faculty

Economics Faculty

HEGIS Codes: 2204 (Economics), 0502 (Accounting)

Accounting - BS

The degree of bachelor of science (accounting) offered at Hunter College fulfills educational requirements for the CPA examination in New York State. Candidates pursuing licensure in New York State will need to complete 150 college credits including ECO 490 (Accounting and Auditing Research). An appropriate masters degree, while not required, is another path to licensure. For information on the MS in Accounting at Hunter College, see the Hunter College Graduate Catalog.

All students contemplating a career in accounting should request an interview with the accounting program adviser during the lower freshman term. To assure completion of the BS (accounting) degree within four years, a full-time student should begin the accounting major sequence in the upper freshman term, if possible, and no later than the lower sophomore term, by registering for ECO 27100.

Majors

The Department of Economics offers two majors: the BA in economics, requiring a minimum of 24 credits and the BS in accounting, requiring a minimum of 30 credits of accounting and an additional 33 credits of professional studies. Details are outlined below.

Grade Options
The department strongly urges economics majors who plan to go on to graduate or professional school to choose letter grades rather than CR/NC. Students enrolled in the BS (accounting) curriculum may not use CR/NC grades for the 30 accounting credits in the accounting major.

**Progression in the Major** Students who have not completed the prerequisite(s) with a grade of C, CR, or better will not be allowed to register for the course for which the prerequisite(s) are required. The following are required for the major and must be completed with a grade of C, CR or better to be accepted for credit toward fulfillment of the major.

**ECO 22000 - Techniques of Economic Analysis**

GER 3/B  
Mathematical techniques applied to economic models.  
*prereq: ECO 20000; MATH 12500 or exemption from the course*  
3 hrs 3 cr.

**ECO 22100 - Economic Statistics I**

GER 1/B  
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.  
*prereq: MATH 12500 or exemption from the course*  
3 hrs 3 cr.

**Interdepartmental Fields**

Students may take courses in economics as part of an interdepartmental program of study in Latin American and Caribbean studies, environmental studies (geography), women’s and gender studies and Jewish social studies. Listings in each area discuss recommended courses.

**Internships**

Students may receive one credit for internships in government agencies, private firms, and not-for-profit institutions. The position must provide opportunities for learning about some area of economics, accounting, or business. The course may be taken no more than twice. Credits may not be applied towards the economics or accounting major. Internships will be graded on a CR/NC basis. Note that it is the responsibility of the student, not the Department, to identify internship opportunities.

**Honors**

Students with a 3.5 GPA in a major offered by the department and an overall 2.8 GPA at the beginning of their upper senior semester may apply for departmental honors at that time. Completion of the following and submission of an honors paper are required. Honors papers are written under faculty supervision and must be approved by a second reader as well. GPA levels must be maintained for the award of departmental honors.

For interested students, the department offers concentrations in public policy and in commercial and financial enterprises. The concentration in public policy prepares students for analytical and managerial careers in both the public and private sectors, as well as providing a firm foundation for graduate or professional studies. The concentration in commercial and financial enterprises provides a general background in the skills and knowledge necessary for a successful business career. Information is available in the Economics Department.

**General Education Requirement**
Students working for a BS (accounting) degree must complete the General Education Requirement (see General Education Requirement section) except that:

A. The Stage 1, Group B Quantitative Reasoning Requirement must be met by MATH 15000. This should be done within the first 75 credits of college work. For students already at or beyond this point when they become majors, the course should be taken within the first 12 credits following declaration of the major.

B. The foreign language requirement is modified, so that:

1. Students who present three or more years of one foreign language are excused from taking additional foreign language courses;

2. Students who present two years of one foreign language must take two additional courses of advanced-level work in the same language or, if they do not want to go on with that language in college, they must take four courses in another foreign language at the college level;

3. Students who present fewer than two years of one foreign language must take four courses in that or any other foreign language at the college level. (Students must file with the Department of Economics a high school transcript or other evidence of completion of the requisite number of years.)

C. In Stage 2, Group B, 3 of the 6 required credits must be in ECO 20100. (ECO 200, which must be taken as part of the professional studies requirement, cannot be used to fulfill the Stage 2, Group B requirement for accounting majors.)

D. Electives. Any remaining credits needed to complete the 120 credits required for the BS (accounting) degree must be in liberal arts electives.

Professional Studies (64 cr)

Accounting (31 cr)

**ECO 27100 - Accounting I**

Basic accounting concepts; preparation of financial statements. Emphasis on income determination and financial position.
*prereq: upper freshman standing
3 hrs3 cr.*

**ECO 27200 - Accounting II**

Accounting concepts applied to partnerships and corporations; funds statements; financial statement analysis.
*prereq: ECO 27100
3 hrs3 cr.*

**ECO 37100 - Intermediate Accounting I**

In-depth study of current concepts relating to accounting for assets and current liabilities.
*prereq: ECO 27200
3 hrs3 cr.*
ECO 37200 - Intermediate Accounting II

Revenue recognition; accounting for equities, income taxes, pensions, leases, price level changes.
prereq: ECO 37100
3 hrs 3 cr.

ECO 37300 - Federal Income Taxation

Principles of federal income taxation and the impact of taxes on individuals.
prereq or coreq: ECO 37200 or perm chair
3 hrs, 3 cr.

ECO 37400 - Managerial Accounting (Cost Accounting)

Accumulation, analysis, presentation and use of cost data by management; budgets.
prereq: ECO 37200 or perm chair
3 hrs 3 cr.

ECO 47100 - Advanced Accounting I

prereq: ECO 37200
3 hrs 3 cr.

ECO 47200 - Advanced Accounting II

Accounting theory and practice focused on partnerships, joint ventures, multinationals, government and public sector entities; not-for-profit accounting; interim and segment reporting; SEC problems, fiduciary accounting, bankruptcy.
prereq: ECO 37200
3 hrs 3 cr.

ECO 47300 - Business Taxes

Federal income taxation of partnerships and corporations; other special tax issues.
prereq: ECO 37300
3 hrs 3 cr.

ECO 47500 - Auditing

Auditing theory and practices; ethics of accounting profession; procedures for auditing financial statements.
prereq: ECO 47100
4 hrs 4 cr.

Additional Information

An overall average of at least “C” must be maintained in these 30 credits.

Business Law (6 cr)
ECO 28000 - Business Law I

Legal institutions; contract law and commercial paper law with focus on Uniform Commercial Code.
 prereq: sophomore standing or perm chair
 3 hrs 3 cr.

ECO 38000 - Business Law II

Legal aspects of business organizations; agency, partnership and corporate relationships.
 prereq: ECO 28000
 3 hrs 3 cr.

Statistics (3 cr)

ECO 22100 - Economic Statistics I

GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.
 prereq: MATH 12500 or exemption from the course
 3 hrs 3 cr.

Additional Information

For students already at or beyond this point when they become majors, the course should be taken within the first 12 credits following declaration of the major.

Finance (6 cr)

Select two of the following courses:

ECO 21000 - Money and Banking

GER 3/B
Monetary and banking principles and practice; current issues; theory and policy.
 prereq: ECO 20000, 20100
 3 hrs 3 cr.

ECO 36500 - Corporate Finance

GER 3/B
Analysis of corporate investment and financing decisions.
 prereq: ECO 20000 and ECO 22100 or STAT 21300
 3 hrs 3 cr.

ECO 36600 - Security and Investment Analysis

GER 3/B
Operation of the stock market; security analysis and evaluation; economic variables influencing security values.
prereq: ECO 36500
3 hrs 3 cr.

**ECO 36700 - Analysis of Financial Statements**

GER 3/B

**Business Core-Required (6 cr)**

**ECO 20000 - Principles of Economics: Microeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

*prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.*

- One course in computer science

**ECO 47600 - Computer Accounting Systems**


*prereq: ECO 37200 and declaration as an accounting major
3 hrs 3 cr.*

**Business elective (12 cr)**

Choose from the following:

**ECO 26000 - Business Organization and Management**

GER 3/B
The economic theory of the firm, including the formal analysis of incentives and contracts. Particular focus on how the internal organization of the firm can mitigate the negative effects of conflicts of interest between different stakeholders in the firm.

*prereq: ECO 20000
3 hrs 3 cr.*

- Any 300- or 400-level ECO course (480 is strongly recommended)
- One additional computer science course may be used as a business elective

**Minor in Accounting**

An Accounting minor is available to students who are not majoring in Economics. For details and requirements, see the undergraduate adviser.

The minor will consist of 15 credits with the following required courses:

**ECO 271000 - Accounting I**
Basic accounting concepts; preparation of financial statements. Emphasis on income determination and financial position.

*prereq: upper freshman standing
3 hrs 3 cr.*

**ECO 27200 - Accounting II**

Accounting concepts applied to partnerships and corporations; funds statements; financial statement analysis.

*prereq: ECO 27100
3 hrs 3 cr.*

**ECO 37100 - Intermediate Accounting I**

In-depth study of current concepts relating to accounting for assets and current liabilities.

*prereq: ECO 27200
3 hrs 3 cr.*

**ECO 37200 - Intermediate Accounting II**

Revenue recognition; accounting for equities, income taxes, pensions, leases, price level changes.

*prereq: ECO 37100
3 hrs 3 cr.*

and one of the following electives:

**ECO 37400 - Managerial Accounting (Cost Accounting)**

Accumulation, analysis, presentation and use of cost data by management; budgets.

*prereq: ECO 37200 or perm chair
3 hrs 3 cr.*

**ECO 47100 - Advanced Accounting I**


*prereq: ECO 37200
3 hrs 3 cr.*

**MS in Accounting**

The Department of Economics offers a Masters (MS) program in accounting for students who have earned a BS in accounting (or its equivalent). Students in the MS program must earn 30 credits at the graduate level. For details and admission requirements, see the Hunter College Graduate Catalog.

**Economics - Accelerated BA/MA**

The Department of Economics offers promising students the opportunity to complete both the BA and MA degrees within 120 credits, 30 of which must be at the graduate level.
Students who wish to declare the BA/MA major must have a 3.0 average in Economics and in the cumulative index

A minimum grade of B in the following, or their equivalents

**ECO 30000 - Intermediate Microeconomics**

GER 3/B
Price determination of goods and factors in markets of varied structures; general equilibrium analysis.

prereq: ECO 20000, 20100, 22000
3 hrs3 cr.

**ECO 32100 - Economic Statistics II**

GER 3/B
Linear and curvilinear correlation and regression; variance; testing; time series.

prereq: ECO 22000, 22100; CSCI 10000 or equiv.
3 hrs3 cr.

A minimum grade of C in the following, or their equivalents

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

Continuing in the program is contingent upon maintaining a 3.0 GPA in economics and the cumulative index and receiving

A minimum grade of B in

**ECO 30100 - Intermediate Macroeconomics**

GER 3/B
Measurement and dynamics of national income, employment and growth; policy options.

prereq: ECO 20000, 20100, 22000
3 hrs3 cr.

An average grade of B in

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs 3 cr.

All students in the BA/MA program must complete the following, or their equivalents, as well as the courses listed above

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs 3 cr.

Additional Information

An undergraduate major in economics is normally required. Thomas Hunter Honors Program students may be admitted without declaring an undergraduate economics major, provided that the above courses are completed. To apply, see the graduate adviser.

Honors

Students with a 3.5 GPA in a major offered by the department and an overall 2.8 GPA at the beginning of their upper senior semester may apply for departmental honors at that time. Completion of the following and submission of an honors paper are required. Honors papers are written under faculty supervision and must be approved by a second reader as well. GPA levels must be maintained for the award of departmental honors.

Note: Students enrolled in the BA/MA program may substitute enrollment in ECO 798 and an MA thesis for ECO 49900 and the Honors paper.
Economics - BA

Majors

The Department of Economics offers two majors: the Economics - BA, requiring a minimum of 24 credits and the Accounting - BS, requiring a minimum of 30 credits of accounting and an additional 33 credits of professional studies. In addition, for motivated students, the department offers the opportunity to complete both the BA and MA degrees within 30 credits.

Economics - Accelerated BA/MA

Grade Options

The department strongly urges economics majors who plan to go on to graduate or professional school to choose letter grades rather than CR/NC.

Major

Students majoring in economics must take:

A. Courses Preliminary to the Economics Major

ECO 20000 - Principles of Economics: Microeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

ECO 20100 - Principles of Economics: Macroeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

These courses must be completed with a grade of C, CR, or better to serve as prerequisites for courses credited to the major.

Additional Information

Although required, neither ECO 20000 nor ECO 20100 are counted as part of the 24 credits in the major. Students may begin the study of economics with either ECO 20000 or ECO 20100. If they wish a one-semester survey before
embarking on the principles courses, they may take ECO 10000, but this is not required. If taken, ECO 10000 cannot be substituted for either ECO 20000 or 20100 or credited toward the major.

B. Core of the Economics Major

**ECO 22000 - Techniques of Economic Analysis**

GER 3/B
Mathematical techniques applied to economic models.

*prereq: ECO 20000; MATH 12500 or exemption from the course*

3 hrs3 cr.

-or-

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*

4 hrs4 cr.

**ECO 22100 - Economic Statistics I**

GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.

*prereq: MATH 12500 or exemption from the course*

3 hrs3 cr.

**ECO 30000 - Intermediate Microeconomics**

GER 3/B
Price determination of goods and factors in markets of varied structures; general equilibrium analysis.

*prereq: ECO 20000, 20100, 22000*

3 hrs3 cr.

**ECO 30100 - Intermediate Macroeconomics**

GER 3/B
Measurement and dynamics of national income, employment and growth; policy options.

*prereq: ECO 20000, 20100, 22000*

3 hrs3 cr.

**ECO 32100 - Economic Statistics II**

GER 3/B
Linear and curvilinear correlation and regression; variance; testing; time series.

*prereq: ECO 22000, 22100; CSCI 10000 or equiv.*

3 hrs3 cr.

ECO 22000 (or MATH 15000) and ECO 22100 must be completed with a grade of C, CR or better to be accepted for credit towards the major and to serve as prerequisites for other courses in the major.
Additional Information

These courses, along with ECO 20000 and 20100 (as described above), are the core of the economics major. Majors are advised to complete ECO 22000 (or MATH 15000) and ECO 22000 within their first 75 credits of college work and ECO 30000 or 30100 within their first 90 credits. For students already at or beyond these points when they become majors, such courses should be taken within the first 12 credits following declaration of the major.

The department may waive the requirement of any of the above or other courses upon satisfactory proof of course equivalency. Courses waived through substitution or examination do not provide course credit nor do they count toward the major.

C. Elective courses

The remaining 9 (if ECO 22000 was taken) or 12 (if MATH 15000 is credited to the major) credits needed to complete the 24-credit major shall be satisfied by other economics courses offered by the department. No courses in accounting or business law may be credited toward the economics major.

Minor in Economics

The economics minor consists of a minimum of 12 credits, including

ECO 20000 - Principles of Economics: Microeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
prereq: MATH 10100 or exemption from the course
3 hrs3 cr.

ECO 20100 - Principles of Economics: Macroeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.
prereq: MATH 10100 or exemption from the course
3 hrs3 cr.
and two other courses in economics. Accounting and business law courses do not count towards the economics minor.

Interdepartmental Fields

Students may take courses in economics as part of an interdepartmental program of study in Latin American and Caribbean studies, environmental studies (geography), women’s and gender studies and Jewish social studies. Listings in each area discuss recommended courses.

Internships
Students may receive one credit for internships in government agencies, private firms, and not-for-profit institutions. The position must provide opportunities for learning about some area of economics, accounting, or business. The course may be taken no more than twice. Credits may not be applied towards the economics or accounting major. Internships will be graded on a CR/NC basis. Note that it is the responsibility of the student, not the Department, to identify internship opportunities.

Honors

Students with a 3.5 GPA in a major offered by the department and an overall 2.8 GPA at the beginning of their upper senior semester may apply for departmental honors at that time. Completion of the following and submission of an honors paper are required. Honors papers are written under faculty supervision and must be approved by a second reader as well. GPA levels must be maintained for the award of departmental honors.

ECO 49900 - Honors Project

Jr/Sr only. Supervised individual research and directed reading. Honors essay.
prereq: For accounting majors: ECO 32100 and 37200; For economics majors: ECO 30000, 30100 and 32100. A 3.5 GPA required in the major offered by the department and permission of the chair
3 hrs3 cr.

Public Policy

Economics majors may find both the minor and the Certificate Program in Public Policy of particular interest.

English

About the Department

The English Department offers students a variety of courses in the study of literature, literary theory, composition, rhetoric, linguistics and creative writing. The Department is interdisciplinary in its offerings, with a diverse faculty whose areas of research and approaches to teaching offer Hunter students a wide spectrum of historical, post-modern, theoretical, textual, and socio-cultural approaches to literary study, rhetoric and composition, linguistics and language, and creative writing. The department encourages disciplined, original thinking and writing while its small classes promote learning through stimulating discussions.

Introductory and intermediate courses present a wide range of literary forms, periods and genres. Students who major in English choose one of four concentrations: Literatures, Language and Criticism; Creative Writing; Adolescent Education (a concentration designed for prospective high school teachers), or English Language Arts. Qualified students may enroll in honors seminars and tutorials. The English Department participates in Hunter’s interdisciplinary programs in Asian American Studies, Comparative Literature, Women’s and Gender Studies, and Religion. The English major provides a foundation for careers in writing, teaching, journalism, publishing, law, business, or any other career that depends on the ability to read analytically and write effectively.

ENGL 22000 - Introduction to Literature is a prerequisite to all literature courses numbered above 22000 in the English Department. Students who plan to major in English should take no more than 6 credits past ENGL 22000 before declaring the major.

Prerequisite for all 300- and 400-level writing courses (except ENGL 30100) is ENGL 30000 - Introduction to Creative Writing. Students must pass this course with a minimum grade of B to major in creative writing.
Programs and Courses

Programs and Courses in English

Administration and Faculty

Department Office:

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Chair:

Cristina León Alfar
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Faculty

English Faculty

HEGIS Codes: 1502

Concentration in Creative Writing (30 cr)

Return to Programs and Courses in English

The concentration in Creative Writing is designed to provide students with an informed appreciation of the depth and breadth of literature written in English, as well as the opportunity to develop their own interests and skills in creative writing. Students concentrating in Creative Writing take four required courses in literature, and at least four creative writing workshops.

This concentration consists of 3 parts:

A. Four Required Literature Courses (12 cr)

ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism
An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.

*prereq: ENGL 22000
3 hrs 3 cr.*

2. One course chosen from the following in American Literature

**ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)**

GER 3/A
An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.

*prereq: ENGL 22000
3 hrs 3 cr.*

**ENGL 39600 - American Prose (1871-1914)**

GER 3/A
Study of such authors as Twain, Howells, James, Dreiser, Crane and Wharton.

*prereq: ENGL 22000
3 hrs 3 cr.*

**ENGL 39700 - American Poetry to 1914**

GER 3/A
Study of such poets as Taylor, Poe, Emerson, Whitman, Dickinson and E. A. Robinson. May be used toward Part 4 of the American Literature concentration.

*prereq: ENGL 22000
3 hrs 3 cr.*

3. One course chosen from the following courses in Multi-Ethnic or Transnational Literatures written in English:

**ENGL 31800 - Advanced Topics in Literature of Non-European Americans (W)**

GER 3/A PD/B
Each course is an advanced examination of one or more of the following groups: African Americans, Asian Americans, Latino Americans, Native Americans and Caribbean Americans. May be repeated once for credit with a different topic.

*prereq: ENGL 22000
3 hrs 3 cr.*

**ENGL 32000 - Multi-Ethnic American Literature (W)**

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.

*prereq: ENGL 22000
3 hrs 3 cr.*

**ENGL 32100 - Studies in African American Literature**
GER 3/A PD/B
Selected works by African American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 32400 - Studies in Native American Literature

GER 3/A PD/B
Selected works by Native American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 32500 - Post-Colonial Literature in English (W)

GER 3/A
A study of post-colonial narratives written in English by writers from a number of different countries or regions, including India, the Caribbean, Egypt, Africa and Pakistan.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 32700 - Studies in Caribbean Literature (W)

GER 3/A PD/A
Selected works by Caribbean writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
prereq: ENGL 22000
3 hrs3 cr.

4. One course chosen from the following courses in Literary Theory, Linguistics, or Rhetoric

ENGL 30600 - Literary Theory (W)

GER 3/A
Major theories of literature, with emphasis on contemporary trends.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 33100 - The Structure of Modern English

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 33200 - History of the English Language (W)

Development of English from earliest records to the present. Spread of English across the globe. Effects on English of contacts with other languages. Satisfies linguistics but not literature requirements.
prereq: ENGL 22000
3 hrs3 cr.

B. Four Required Creative Writing Workshops (12 cr)

All students who are planning to concentrate in creative writing must first take the three-genre

**ENGL 30000 - Introduction to Creative Writing**

GER 3/A
An introduction to creative writing with a primary focus on poetry, fiction and creative nonfiction, including expository writing, workshop exercises and an introduction to workshop methods.

*Students must pass this course with a B to major in creative Writing. Prerequisite for all 300-level writing courses, except ENGL 30100.*

prereq: ENGL 22000
3 hrs3 cr.

and pass it with a grade of B or higher

After successfully completing English 30000 with a grade of B or higher, students take 3 more creative writing workshops from the following, at least one of which must be a level-II workshop

**ENGL 30900 - Workshop in Non-Fiction II**

GER 3/A
A continuation of Workshop in Non-Fiction I, with increasing emphasis on craft and revision.

*This course may be repeated once for credit.*

prereq: ENGL 30000 and 30800
3 hrs3 cr.

**ENGL 31100 - Workshop in Fiction I**

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of fiction.

prereq: ENGL 30000
3 hrs3 cr.

**ENGL 31300 - Workshop in Fiction II**

GER 3/A
A continuation of ENGL 31100, with increasing emphasis on craft and revision.

*This course may be repeated once for credit.*

prereq: ENGL 30000 and ENGL 31100
3 hrs3 cr.
ENGL 31400 - Workshop in Poetry I

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of poetry.

prereq: ENGL 30000
3 hrs3 cr.

ENGL 31600 - Workshop in Poetry II

GER 3/A
A continuation of ENGL 31400, with increasing emphasis on craft and revision. This course may be repeated once for credit.
prereq: ENGL 30000 and ENGL 31400
3 hrs3 cr.

ENGL 48400 - Special Studies Seminar

GER 3/A
Topics in British and American literature or linguistics. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
3 hrs3 cr.

C. Two Electives (6 cr.)

Electives may be chosen from any of the department’s 300-or 400-level courses, including, if the student is eligible, one of the Honors Seminars (ENGL 48400). In special cases, full-time faculty may find it appropriate to supervise a student who is interested in taking on an individual creative project for 3 credits; this option is listed in the catalog, and in semester-by-semester class postings, as ENGL 48500 - Individual Tutorial Project. Successful completion of such a course may also, if arranged beforehand, qualify as an Honors course.

Concentration in English Language Arts

The concentration in English Language Arts is designed to provide students with experience in the study of literature, language, rhetoric, and writing. While it is designed and intended primarily for prospective elementary school teachers, the concentration is open to all students. Students take four required literature courses, two required courses in language and/or rhetoric, and two required courses in writing. The remaining two courses are electives and may be chosen from among the following: any of the English department’s 300- or 400-level literature courses, including, if the student is eligible, one of the Honors seminars (ENGL 49400); any of the 300-level Creative Writing workshops for which the student has met the prerequisite(s); any 300- or 400-level courses in linguistics or literatures taught in English in other departments for which the student meets that department’s prerequisite(s); and selected Theatre courses (THEA 16100, THEA 32100, THEA 37600, THEA 37700, THEA 37800) for which the student meets that department’s prerequisite(s). The English department strongly recommends that students choose at least one Language, Writing, or Modern/Contemporary Literature elective course.

This concentration consists of Four parts:
A. Four Required Literature Courses (12 cr.)

**ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism**

An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.

*prereq: ENGL 22000
3 hrs 3 cr.*

One course chosen from among the following courses in American Literature:

**ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)**

GER 3/A

An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.

*prereq: ENGL 22000
3 hrs 3 cr.*

-or-

**ENGL 39600 - American Prose (1871-1914)**

GER 3/A

Study of such authors as Twain, Howells, James, Dreiser, Crane and Wharton.

*prereq: ENGL 22000
3 hrs 3 cr.*

-or-

**ENGL 39700 - American Poetry to 1914**

GER 3/A

Study of such poets as Taylor, Poe, Emerson, Whitman, Dickinson and E. A. Robinson. May be used toward Part 4 of the American Literature concentration.

*prereq: ENGL 22000
3 hrs 3 cr.*

**ENGL 30500 - Studies in Children's Literature**

GER 3/A

Selected works of children's literature in relation to a special theme, technique, theoretical issue, or cultural consideration.

*prereq: ENGL 22000
3 hrs 3 cr.*

**ENGL 32000 - Multi-Ethnic American Literature (W)**

GER 3/A PD/B

A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.
**B. Two Required Language and/or Rhetoric Courses (6 cr.)**

**ENGL 33100 - The Structure of Modern English**

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.

*prereq: ENGL 22000
3 hrs3 cr.*

one course chosen from among the following:

**ENGL 33200 - History of the English Language (W)**

Development of English from earliest records to the present. Spread of English across the globe. Effects on English of contacts with other languages. Satisfies linguistics but not literature requirements.

*prereq: ENGL 22000
3 hrs3 cr.*

-or-

**ENGL 33300 - Advanced Topics in Language and Linguistics**

GER 3/A
Exploration of one or more linguistic systems (phonology, semantics, syntax, discourse, or pragmatics) through the analysis of literary and nonliterary texts and their social and cultural contexts. May be taken more than once in different topics.

*prereq: ENGL 22000
3 hrs3 cr.*

**C. Two Required Courses in Writing (6 cr.)**

**ENGL 30100 - Theory and Practice of Expository Writing**

GER 3/A
Composition in variety of nonfiction prose forms and study of rhetorical theories.

*prereq: ENGL 22000
3 hrs3 cr.*

One course chosen from the following:

**ENGL 30000 - Introduction to Creative Writing**

GER 3/A
An introduction to creative writing with a primary focus on poetry, fiction and creative nonfiction, including expository writing, workshop exercises and an introduction to workshop methods.

*Students must pass this course with a B to major in creative Writing. Prerequisite for all 300-level writing courses, except ENGL 30100.*
prereq: ENGL 22000
3 hrs 3 cr.

- or -

ENGL 30800 - Workshop in Non-Fiction I

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of various non-fiction genres, including memoir/autobiography and other forms of personal essays, review essays, occasional pieces, and philosophical essays.

prereq: ENGL 30000
3 hrs 3 cr.

Note:

Students must take ENGL 30000 or 30100 before taking ENGL 30800.

D. Two Electives (6 cr.)

Students may choose from among 300- or 400-level courses, including, if the student is eligible, one of the Honors Seminars (ENGL 49400). With prior approval of an advisor, students may also choose 300- or 400-level courses in linguistics or literatures taught in English in another department.

Theatre Courses (with approval of English Department Adviser)

With the prior approval of an adviser, students may also choose from among the following Theatre courses:

THEA 16100 - Acting I: Basic Acting Techniques

For intended majors and non-majors. Exploration of the fundamentals of acting technique through improvisation.

coreq: .
3 hrs 3 cr.

THEA 32100 - Play Analysis (W)

GER 3/A PD/D
Principles of play analysis; examination of play structure, theatrical form, and historical period.

prereq: THEA 21100 or 21200 or 21300
3 hrs 3 cr.

THEA 37600 - Playwriting I (W)

GER 3/A
Study of problems in playwriting based on the student's own work.

prereq: THEA 10100 or perm instr.
3 hrs 3 cr.

THEA 37700 - Playwriting II
Continued study of playwriting techniques, with emphasis on the structure and form of the full length play.

*prereq: THEA 37600 or perm instr.*

3 hrs 3 cr.

**THEA 37800 - Scriptwriting for Young Audiences: Theatre, Film, and Television**

Note:

*(Note: Some of the Theatre courses require students to take prerequisite courses in the Theatre department.)*

At least one Language, Writing or Modern/Contemporary Literature elective course

It is strongly recommended that students choose at least one Language, Writing, or Modern/Contemporary Literature elective course.

Language, Rhetoric, and Writing choices may include: one of the courses in either category B. or C. (see above)

**ENGL 30900 - Workshop in Non-Fiction II**

A continuation of Workshop in Non-Fiction I, with increasing emphasis on craft and revision.

*This course may be repeated once for credit.*

*prereq: ENGL 30000 and 30800*

3 hrs 3 cr.

**ENGL 31100 - Workshop in Fiction I**

Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of fiction.

*prereq: ENGL 30000*

3 hrs 3 cr.

**ENGL 31400 - Workshop in Poetry I**

Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of poetry.

*prereq: ENGL 30000*

3 hrs 3 cr.
Concentration in English: Preparation for Secondary School Teaching (30 cr)

Return to Programs and Courses in English

The Concentration in English: Preparation for Secondary School Teaching is designed to prepare students to teach English in grades 7-12 by providing a foundation in British, American, and Multi-Ethnic literatures, as well as writing and language studies. Students choosing this concentration take 18 credits of required literature courses, 6 credits of required writing courses, a 3-credit language course, and one elective chosen from among 300- and 400-level courses offered by the Department. When taken together with the requirements for the secondary education sequence of the School of Education, this program meets initial certification requirements for New York State and New York City public schools. Students interested in the Education sequence must apply to the School of Education for admission. Students who do not wish to pursue certification need not take the Secondary Education sequence. Eligible English: Preparation for Secondary School Teaching majors may pursue English Departmental Honors by taking ENGL 49400 - Honors Seminar: Special Studies.

Note: The English Department strongly recommends that students take at least one modern or contemporary literature course.

This concentration consists of four parts:

A. Six Required Literature Courses (18 cr)

ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism

An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.

prereq: ENGL 22000
3 hrs 3 cr.

ENGL 30300 - Western Literary Backgrounds of British and American Literature

PD/D
Major works of Western literature in translation, including the Bible and Greek and Roman epic, drama, poetry and prose.

prereq: ENGL 22000
3 hrs 3 cr.

ENGL 30600 - Literary Theory (W)

GER 3/A
Major theories of literature, with emphasis on contemporary trends.

prereq: ENGL 22000
3 hrs 3 cr.

4. One course chosen from the following:
ENGL 35200 - Shakespeare Survey

GER 3/A PD/D
A survey of Shakespeare's plays. For students who do not intend to elect ENGL 35300 or ENGL 35400.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 35300 - Shakespeare I

GER 3/A PD/D
Study of works from first half of Shakespeare's career.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 35400 - Shakespeare II

GER 3/A PD/D
Study of works from second half of Shakespeare's career.
prereq: ENGL 22000
3 hrs 3 cr.

5. One course chosen from the following:

ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)

GER 3/A
An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 39600 - American Prose (1871-1914)

GER 3/A
Study of such authors as Twain, Howells, James, Dreiser, Crane and Wharton.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 39700 - American Poetry to 1914

GER 3/A
Study of such poets as Taylor, Poe, Emerson, Whitman, Dickinson and E. A. Robinson. May be used toward Part 4 of the American Literature concentration.
prereq: ENGL 22000
3 hrs 3 cr.
6. One course chosen from the following:

**ENGL 32000 - Multi-Ethnic American Literature (W)**

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.

*prereq: ENGL 22000*

3 hrs3 cr.

-or-

**ENGL 32500 - Post-Colonial Literature in English (W)**

GER 3/A
A study of post-colonial narratives written in English by writers from a number of different countries or regions, including India, the Caribbean, Egypt, Africa and Pakistan.

*prereq: ENGL 22000*

3 hrs3 cr.

**B. Required Writing Courses (6 cr)**

**ENGL 30100 - Theory and Practice of Expository Writing**

GER 3/A
Composition in variety of nonfiction prose forms and study of rhetorical theories.

*prereq: ENGL 22000*

3 hrs3 cr.

2. One course chosen from the following:

**ENGL 30000 - Introduction to Creative Writing**

GER 3/A
An introduction to creative writing with a primary focus on poetry, fiction and creative nonfiction, including expository writing, workshop exercises and an introduction to workshop methods.

*Students must pass this course with a B to major in creative Writing. Prerequisite for all 300-level writing courses, except ENGL 30100.*

*prereq: ENGL 22000*

3 hrs3 cr.

-or-

**ENGL 34100 - Rhetorical Principles of Expository Writing**

GER 3/A
Course will focus on the relationship between rhetorical principles and academic writing.

*prereq: ENGL 22000*

3 hrs3 cr.
C. Required Language Course (3 cr)

**ENGL 33100 - The Structure of Modern English**

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.

*prereq: ENGL 22000*

3 hrs 3 cr.

D. Elective (3 cr)

Students may choose from among 300- or 400-level English courses, including, if the student is eligible, one of the Honors Seminars (ENGL 49400). It is strongly recommended that students consider choosing either a Modern/Contemporary Literature, Linguistics, Rhetoric, or Writing course to fulfill the Elective requirement.

Concentration in Literatures, Language and Criticism (30 cr)

Majors who plan to concentrate in Literatures, Language and Criticism take four required courses and three courses in a specialized area of study. The Department recommends that students take the four required courses early in their major studies, preferably soon after they have declared the major. The Literatures, Language and Criticism concentration is designed to provide students with exposure to a range of literary texts and traditions, as well as to a specific area of study in which to focus. The first two areas of study reflect particular national literatures, but the remaining four are designed with broader approaches to literary study in mind. With prior approval, a student may also work with an advisor to design her own area of study.

This concentration consists of three parts:

Required Courses (12 credits)

The following four courses are required for all students in this concentration:

**ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism**

An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.

*prereq: ENGL 22000*

3 hrs 3 cr.

**ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)**
GER 3/A
An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 30600 - Literary Theory (W)

GER 3/A
Major theories of literature, with emphasis on contemporary trends.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 32000 - Multi-Ethnic American Literature (W)

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.
prereq: ENGL 22000
3 hrs3 cr.

Required Area of Study (9 cr.)

Students in this concentration must take three additional courses in one of the areas below. Particularly motivated students may also obtain prior approval from an advisor to design an area of their own choosing (e.g. literature by genre or by historical period, literary theory, cultural studies).

1. British and/or Irish Literatures
2. American Literatures, including African American, Asian American, Latino, and Native American
3. Transnational and/or Postcolonial Studies
4. Gender and Sexuality Studies
5. Race, Ethnicity, and/or Class Studies
6. Linguistics, Language, and/or Rhetoric

Electives (9 cr.)

The remaining three courses in the major are electives, chosen by the student.

English - BA

Major

The English Department offers students four concentrations: Literatures, Language and Criticism; Creative Writing; English Language Arts; and Preparation for Secondary School Teaching. Thirty credits (10 classes) in 300- and 400-level courses are required for each concentration. Up to 6 credits in the major sequence may be taken for CR/NC.
Concentration in Literatures, Language and Criticism (30 cr)

Concentration in Creative Writing (30 cr)

Concentration in English Language Arts

Concentration in English: Preparation for Secondary School Teaching (30 cr)

Literatures, Language and Criticism Concentration

Majors who plan to concentrate in Concentration in Literatures, Language and Criticism (30 cr) take four required courses, and three courses in a specialized area of study. The department recommends that students take the four required courses early in their major studies, preferably soon after they have declared the major. The Literatures, Language and Criticism concentration is designed to provide students with exposure to a range of literary texts and traditions, as well as to a specific area of study in which to focus. The first two areas of study reflect particular national literatures, but the remaining four are designed with broader approaches to literary study in mind. With prior approval, a student may also work with an adviser to design her own area of study.

Creative Writing Concentration

The Concentration in Creative Writing (30 cr) is designed to provide students with an informed appreciation of the depth and breadth of literature written in English, as well as the opportunity to develop their own interests and skills in creative writing. Students concentrating in Creative Writing take four required courses in literature, and at least four creative writing workshops. The four literature requirements are: 1) ENGL 338; 2) ENGL 395, 396, or 397; 3) ENGL 318, 320, 321, 324, 325, or 327; and 4) ENGL 306, 331, 332, or 340. The first workshop for ALL students is the 3-genre workshop ENGL 300: Introduction to Creative Writing, which must be passed with a grade of B or higher in order to qualify for this concentration. After successfully completing ENGL 300, students are required to take a minimum of three additional workshops, beginning with the level-I workshop in the genre(s) in which they are interested: ENGL 308, 311, or 314. Students are required to take at least one level-II workshop (ENGL 309, 313, or 316) after completing the level-I workshop in that genre. Students may also take one of the Special topics genre workshops (ENGL 484) after completing both 300-level workshops in that genre. The remaining two courses for the major are electives and may be chosen from any of the department’s 300- or 400-level courses, including, if the student is eligible, one of the Honors Seminars (ENGL 494). In special cases, full-time faculty may find it appropriate to supervise a student who is interested in taking on an individual creative project; this option is listed in the catalogue, and in semester-by-semester class postings, as ENGL 485: Independent Tutorial Study. Successful completion of such a course may also, if arranged beforehand, qualify as an Honors course.

English Language Arts Concentration

The Concentration in English Language Arts is designed to provide students with experience in the study of literature, language, rhetoric, and writing. While it is designed and intended primarily for prospective elementary school teachers, the concentration is open to all students. Students take four required literature courses, two required courses in language and/or rhetoric, and two required courses in writing. The remaining two courses are electives and may be chosen from among the following: any of the English department’s 300- or 400-level literature courses, including, if the student is eligible, one of the Honors seminars (ENGL 494); any of the 300-level Creative Writing workshops for which the student has met the prerequisite(s); any 300- or 400-level courses in linguistics or literatures taught in English in other departments for which the student meets that department’s prerequisite(s); and selected Theatre courses (160, 161, 321, 376, 377, 378) for which the student meets that department’s prerequisite(s). The English
department strongly recommends that students choose at least one Language, Writing, or Modern/Contemporary Literature elective course.

**Concentration in Preparation for Secondary School Teaching**

The Concentration in English: Preparation for Secondary School Teaching (30 cr) is designed to prepare students to teach English in grades 7-12 by providing a foundation in British, American, and Multi-Ethnic literatures, as well as writing and language studies. Students choosing this concentration take 18 credits of required literature courses, 6 credits of required writing courses, a 3-credit language course, and one elective chosen from among 300- and 400-level courses offered by the Department. When taken together with the requirements for the Secondary Education minor of the School of Education, this program meets initial certification requirements for New York State and New York City public schools. Students interested in the Education minor must apply to the School of Education for admission.

Students who do not wish to pursue certification need not take the Secondary Education minor. Eligible English: Preparation for Secondary School Teaching majors may pursue English Departmental Honors by taking ENGL 49400 - Honors Seminar: Special Studies.

*Note: The English Department strongly recommends that students take at least one modern or contemporary literature course.*

**Honors**

In order to qualify for departmental honors, students must take the Honors Seminar (ENGL 49400) and write an honors essay. The essay is normally written in relation to the Honors Seminar and under the supervision of the professor teaching the seminar. To to take the Honors Seminar, students must first complete at least 24 credits of 300- and/or 400-level English classes with a GPA of at least 3.5 in those courses and an overall GPA of at least 2.8. Of these credits, 21 (or in exceptional cases, 18) must be taken at Hunter. The Honors Seminar requirement is in addition to the specified required courses in the student’s concentration. Students interested in pursuing departmental honors should consult an undergraduate adviser. Please see the college rules on Academic Honors for more information in Academic Programs and Policies.

**ENGL 49400 - Honors Seminar: Special Studies**

GER 3/A PD/C
Topics in British and American literature and linguistics. May be taken a second time in another subject. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.

1 sem 3 cr.

*Note(s)*

*The Honors Seminar requirement is in addition to the specified courses in the student’s major concentration. Students interested in departmental honors should consult the undergraduate adviser.*

**Minor in English**

The English Department offers a 12-credit minor that provides students with an opportunity to pursue interests in literature, language, rhetoric, composition, and creative writing at the intermediate and advanced levels. Students may declare the Minor only after completing ENGL 22000 - Introduction to Literature, the prerequisite for all English courses above the 220 level. Students minoring in English may choose four courses (12 cr.) from among 200- and 300-
level literature, language, rhetoric, or writing offerings, with a minimum of two 300-level courses necessary to satisfy the Minor requirements. Students who wish to take Creative Writing workshops in any of the three genres offered (Fiction, Poetry, and Creative Non-Fiction) must first pass ENGL 30000 - Introduction to Creative Writing, with a minimum grade of B.

**Note:**

*NOTE: English 22000 does not count towards fulfillment of the Minor. ENGL 21800 - Advanced Expository Writing, may be used towards fulfillment of the Minor requirements, but ENGL 20100 - Intermediate Expository Writing Using Small-Group Methods, may not. English minors may not take 400-level courses.*

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**Film and Media Studies**

**About the Department**

The Hunter College Department of Film and Media Studies offers three degree programs in the production and critical analysis of film and media. We offer two undergraduate degrees—one in Film and one in Media Studies—and a graduate MFA Degree in Integrated Media Arts. Students are encouraged to develop a creative voice that is socially aware and engaged and can find expression across a range of contemporary media technologies.

Our curriculum is founded on the integration of theory and practice. Leading scholars in history, aesthetics, media policy, critical theory and alternative and international practices provide students with a broad base in analytical thinking. Courses deal with subjects such as the history and aesthetics of film, video, television and new media; genre studies; the history, production and distribution of print and broadcast news; media representations of race, class and gender; and the intricate relationships among the mass media, popular culture and society.

The department’s production courses encourage students to work creatively in a variety of existing and emerging media forms. Courses include narrative film production (including screenwriting and directing), documentary production, television production, journalism and emerging media (including web design and programming, interactive storytelling and game design). The department is distinguished by award-winning faculty who are active in their respective fields.

In addition to classroom activities, students earn general elective credits through internships in New York City’s vibrant media industries. Host institutions include film, television, radio, video and record companies; newspaper, magazine and book publishers; public relations and advertising agencies; museums and other non-profit organizations; and telecommunications and emerging media organizations.

Through its courses and extracurricular activities, the Hunter College Department of Film and Media Studies is injecting new creative voices into the public sphere by educating a diverse community of creative minds.

**Programs and Courses**

Programs and Courses in Film and Media

**Administration and Faculty**

Department Office:
Faculty

Film and Media Studies Faculty

HEGIS Codes: 1010 (Film), 0601 (Media)

Film - BA

Major in Film (30 cr)

30 credits, combined total: 12 credits analytical, 12 credits production and 6 credits electives from analytical and/or production courses.

Students must receive a grade of B or better in FILM 10100 to declare a major in film. The major must be declared in person with an undergraduate film adviser (call (212) 772-4949 to schedule). The student must bring his or her transcript, and, where relevant, transcripts from other colleges attended, when meeting with the undergraduate film adviser to declare a film major. Students majoring in film must also take FILMP 15000 which is prerequisite for all film production courses. FILM 10100 and FiLMP/MEDIAP 15000 do not count towards the major. A maximum of 6 credits in MEDIA courses at the 200 or 300 level may be applied toward the major in film. Students must meet any prerequisites for these courses. Courses at the 100 level, independent study, and internship courses do not count toward the major. Students must see a program adviser to plan choice and sequence of courses.

I Analytical Course Requirements (12 cr)
A) Film Style and Close Analysis (6 cr)

**FILM 20100 - Practical Film Analysis**

GER 3/A  
Close case study of a selected motion picture.  
*prereq: FILM 10100*  
3 hrs 3 cr.

plus 3 credits from one of the following courses:

**FILM 22400 - Cinematic Space**

GER 3/A  
Study of the theories and uses of cinematic space, film design, and the relationship between art direction and film narrative.  
*prereq: FILM 10100, 20100*  
4 hrs 3 cr.

**FILM 23100 - Studies of Selected Directors**

GER 3/A  
Study of aesthetic and cultural implications of authorship as developed and practiced in cinema. May be repeated for credit with a different topic.  
*prereq: FILM 10100, 20100*  
4 hrs 3 cr.

**FILM 32300 - Film Technology and Aesthetic Theory**

GER 3/A  
Study of the relationship between film technology and film theory. May be repeated for credit with a different topic.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
*prereq: FILM 10100, 20100, 25100*  
4 hrs 3 cr.

**FILM 32351 - Aesthetics of Film Sound**

GER 3/A  
Examination of the history, theory and aesthetics of the relationship between film sound and image.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 30000- and 40000-level courses in FILM.*  
*prereq: FILM 10100, 20100*  
4 hrs 3 cr.

**FILM 33300 - Styles and Theories of Film Acting**

GER 3/A  
Study of film acting with regard to theoretical structures and aesthetic practice.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
*prereq: FILM 10100, 20100*  
4 hrs 3 cr.
B) Film History (6 cr):

**FILM 21100 - Film History I: 1895-1942**

GER 3A PD/D
Survey of film history and theory from the silent era to 1942.
*prereq: FILM 10100
4 hrs 3 cr.*

**FILM 21200 - Film History II: Since 1942**

GER 3/A PD/D
Survey of film history and theory from 1942 to the present.
*prereq: FILM 10100
4 hrs 3 cr.*

If students choose to take only FLM 21100 or only FLM 21200, they must also choose from the following:

**FILM 21300 - National Cinema**

GER 3/A PD/D or A
Study of the cultural background, theoretical underpinnings, and artistic practices of a selected national cinema. May be repeated for credit with a different topic.
*prereq: FILM 10100
4 hrs 3 cr.*

**FILM 23000 - Movies in American Culture**

GER 3/A
Cultural processes that affect the production and reception of movies in the U.S. Interrelationships among the stylistic, thematic, technical, industrial and regulatory aspects of American moviemaking.
*prereq: FILM 10100, 21100 or FILM 21200
3 hrs 3 cr.*

**FILM 34400 - History of Cinematography**

GER 3/A
Survey class addressing key developments in the history and aesthetics of cinematography.
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 20100, 21100 or 21200
4 hrs 3 cr.*

**FILM 39700 - Topics in Film History**

GER 3/A PD/D
A focused examination of specific issues and moments in film history. May be repeated for credit under a different topic.
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
II Production Course Requirements (12 cr):

A) Required Production Sequence (9 cr):

**FILMP 25100 - Film Production I**

Introduction to the fundamentals of filmmaking, writing, cinematography and editing.
_prereq: FILM 10100, FILMP/MEDIAP 15000; open to majors only or perm instr._
4 hrs3 cr.

**FILMP 27600 - Screen Writing I - The Short (W)**

The Short Fundamentals of writing for film; critiques of original student scripts.
_prereq: FILM 10100 and ENGL 12000; open to film/media majors only or perm instr._
4 hrs3 cr.

**FILMP 35200 - Film Production II**

Further development of fundamental filmmaking skills: pre-production, directing, and syncsound production techniques.
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
_prereq: FILMP 251, FILMP 276; open to film/media majors only or perm instr._
4 hrs3 cr.

B) Advanced Production Cluster (3 cr):

**FILMP 37100 - Screen Directing I**

Theory and practice of the film director's role as guiding force in creation of visual and aural images.
*Except as otherwise noted, ENGL 120 is prerequisite for all 300- and 400-level courses in FILM.*
_prereq: FILMP 251, FILMP 276 open to film/media majors only or perm instr._
4 hrs3 cr.

**FILMP 37700 - Screen Writing II The Feature (W)**

Continuation of workshop experience with emphasis on full-length screenplay.
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
_prereq: FILMP 27600
4 hrs3 cr.

III Elective Course Requirements (6 cr):

From analytical and/or production electives: At least one elective must be a 300 level or above course.

A) Analytical Electives:
FILM 21400 - Multicultural Perspectives in Cinema

GER 3/A PD/B (214.51 only)
Study of the contributions of minority groups to filmmaking, including examination of how those contributions have countered stereotypical representations of racial, national, and cultural identity in mainstream cinema. May be repeated for credit with a different topic.
prereq: FILM 10100
4 hrs 3 cr.

FILM 21500 - Women and Film

GER 3/A PD/C
Films by women directors and the ways women's films counter the dominant patriarchal view of women reflected in commercial cinema.
prereq: FILM 10100
4 hrs 3 cr.

FILM 22200 - Topics in Genre Studies

GER 3/A
Critical study of generic categories such as the western, horror, comedy, film noir, melodrama, or the musical. May be repeated for credit with a different topic.
prereq: FILM 10100
4 hrs 3 cr.

FILM 22252 - Topics in Genre Studies: “The Woman's Film” of the 1940s

GER 3/A PD/C
This course focuses on “the woman's film”, from the forties. Discussion of the woman's film, an umbrella term for a series of genres (melodrama, gothic film, comedies) in which the woman is the main protagonist as well as the intended spectator.
cross-listed WGS 22252
prereq: FILM 10100
4 hrs 3 cr.

FILM 23200 - Experimental Film and Video

GER 3/A PD/D
Historical examination of pertinent films and videos with particular emphasis on current American productions.
prereq: FILM 10100, 20100, FILMP/MEDIAP 15000
4 hrs 3 cr.

FILM 29900 - Special Topics in Film

GER 3/A
Not offered at all times. A specific topic will be listed in Schedule of Classes for a given semester.
prereq: perm dept.
1-3 hrs 1-3 cr.

FILM 32200 - Contemporary Film Theory
GER 3/A PD/D
Survey of current film theory and criticism, including developments in film semiotics, psychoanalytic film theory, feminist film theory, narrative theory, historiography and reception theory.
Except as otherwise noted, ENGL 12000 is prerequisite for all 30000- and 40000-level courses in FILM.
prereq: FILM 10100, 21100 or 21200
4 hrs3 cr.

FILM 32400 - Narrative Strategies

GER 3/A
Study of narrative techniques in cinema
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100 and 20100 or 23100
4 hrs3 cr.

FILM 32600 - America in American Film and Video

GER 3/A
Investigation of the ways that film and video have dealt with issues of American identity. This course explores how basic American myths have been mobilized to project a particular view of the nation at various historical points.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 21100 or 21200
3 hrs3 cr.

FILM 32700 - Representations of Race and Ethnicity in U.S. Media

GER 3/A PD/B
A historical look at changes and continuities in the social construction of a selected race or ethnicity in movies; advertising, including political campaigns; journalism, and other forms of American popular culture. May be repeated for credit with different topic.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100
4 hrs3 cr.

FILM 32800 - Images of Resistance in the Developing World

GER 3/A PD/A
Focuses on challenges by developing world films and filmmakers to Western media stereotypes.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100
3 hrs3 cr.

FILM 33200 - Myths and Images in the Media

GER 3/A
Study of film and media as decisive vehicles of myth, imagery and aesthetics in an advanced industrial society.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100
3 hrs3 cr.

FILM 33400 - Theatricality and the Presentation of Self
GER 3/A
Examination of the problems of authenticity in the performing self through analysis of representations in film, TV and the everyday.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, FILM 21100 or 21200
4 hrs 3 cr.

FILM 39100 - Problems in Film Research

GER 3/A
Study of basic methods of solving problems in the field of cinema studies.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 20100, 21100 or 21200
3 hrs 3 cr.

FILM 39900 - Studies in Film

GER 3/A
Not offered at all times. Specialized topics for majors will be listed in Schedule of Classes for a given semester.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: variable
3 hrs 3 cr.

FILM 40100 - Independent Research

Open to majors only. Directed program of reading, research, or creative presentation, arranged on an individual basis.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: perm chair
1-3 cr.

FILM 40200 - Honors Project

Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: 3 advanced-level courses, 3.0 GPA and 3.5 major GPA perm dept.
3 hrs 3 cr.

FILM 49900 - Advanced Seminar

Selected topics in cinema studies.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: perm instr.
4 hrs 3 cr.

B) Film Production Electives:

A second course from the advanced production cluster may be taken as an elective course

FILMP 37100 - Screen Directing I
Theory and practice of the film director's role as guiding force in creation of visual and aural images.  
Except as otherwise noted, ENGL 120 is prerequisite for all 300- and 400-level courses in FILM.  
prereq: FILMP 251, FILMP 276; open to film/media majors only or perm instr.  
4 hrs 3 cr.

**FILMP 37700 - Screen Writing II The Feature (W)**

Continuation of workshop experience with emphasis on full-length screenplay.  
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.  
prereq: FILMP 27600  
4 hrs 3 cr.

**FILMP 31100 - Directing Documentary Video Production**

Exploration of the aesthetics of documentary form that provides students with an in-depth and hands-on understanding of preproduction and production of documentary video.  
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.  
prereq: MEDP 28100; open to film/media majors only or perm instr.  
4 hrs 3 cr.

Or

**FILMP 28600 - Sound for Film and Video I**

Basic sound theory and production sound recording techniques, concentrating on microphones, field mixers and recording equipment, boom operation and on-set procedures.  
prereq: FILMP 25100 or MEDP 28100  
3 hrs 3 cr.

**FILMP 34100 - Producing the Film**

Contracts, financing, distribution, copyright law, options, acquisition of rights, securities law requirements.  
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.  
prereq: FILMP 25100, FILMP 27600  
3 hrs 3 cr.

**FILMP 37200 - Screen Directing II**

Continuation of FILMP 37100.  
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.  
prereq: FILMP 37100 or permission of instructor  
4 hrs 3 cr.

**FILMP 38100 - Techniques of Cinematography**

Advanced cinematographic techniques such as sensitometry, effects lighting and special effects.  
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.  
prereq: FILMP 35200 or permission of instructor  
4 hrs 3 cr.
FILMP 38200 - Narrative Editing

Narrative editing concepts, theories and techniques. Editing exercises explore the aesthetic and practical components of the craft and introduce advanced digital editing tools.

prereq: FILMP 25100
4 hrs 3 cr.

FILMP 38300 - Sound Design

Aesthetics of sound design with practical instruction in audio post-production technology.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 25100 or MEDIAP 28100 or perm. instr.
3 hrs 3 cr.

FILMP 38400 - Film and Video Production

Production of short films with each student assigned to specific crew positions.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 35200, and permission of instructor.
variable hrs 3 cr.

FILMP 39900 - Special Topics in Advanced Film Practice

Offered periodically with the specific topic listed in the schedule of classes.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: perm instr.
4 hrs 3 cr.

FILMP 45100 - Film and Video Production Seminar

Individual student films produced under faculty supervision.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILMP 35200 and perm instr.
3 hrs 3 cr.

FILMP 49800 - Internship

Opportunity to gain professional experience
40 working per. Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, two other film courses or equiv; perm dept and host institution
1-6 cr, 40 working hrs per cr.

Minor in Film

Students who wish to minor in film must complete a total of 15 credits. FILM 10100 does not count towards the minor.

Required courses

FILM 21100 - Film History I: 1895-1942
GER 3A PD/D
Survey of film history and theory from the silent era to 1942.

**Film History II: Since 1942**

GER 3/A PD/D
Survey of film history and theory from 1942 to the present.

**FILMP 27600 - Screen Writing I - The Short (W)**

The Short Fundamentals of writing for film; critiques of original student scripts.

**FILMP 37700 - Screen Writing II The Feature (W)**

Continuation of workshop experience with emphasis on full-length screenplay.

**Honors**

To qualify for departmental honors in Film or Media Studies, a student must have a 3.5 grade point average in major courses and a 3.0 grade point average overall. The student must also either complete an Honors Project, approved by the Department Policy and Curriculum Committee, with a grade of A; or a 400-level production or analytical seminar course with a grade of A. See the department for more information.

**FILM 40200 - Honors Project**

Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision.

**MEDIA 40200 - Honors Project**

Open to Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision. Successful completion qualifies student for departmental honors at graduation.
Media Studies - BA

(24 cr)

Students must receive a grade of B- or better in MEDIA 18000 to declare a major in Media Studies. The major must be declared in person with an undergraduate media studies adviser (call (212) 772-4949 to schedule).

In addition to MEDIA 18000, students must complete a total of 24 credits at the 200- or 300-level. At least 12 of these credits must be taken in the analytical segment of the curriculum (MEDIA, NOT MEDP courses).

FILMP 15000 and FILMP 16000 are prerequisites for all video production courses, but do not count toward major requirements. In certain cases, FILMP 16000 may be taken as a coreq instead of a prereq (see course descriptions for more information).

A maximum of 6 credits in film courses at the 200- or 300-level, 3 credits of which may be in production, may be applied toward the major in media studies. Students must meet any prerequisites for these courses. Courses in Independent Study, Honors Project, and Internship do not count toward the major. Students must consult a program adviser to plan choice and sequence of courses.

Note: We are currently making changes to the Media Studies major that may not be reflected in this catalog. Please visit http://filmmedia.hunter.cuny.edu for updated information about the Media Studies Major.

Double Majors

Students may choose to complete a major in the Department of Film and Media Studies and a second major in another department. A student cannot declare a double major in film and media studies. Because of the intensive nature of the production courses in both Film and Media Studies, it is strongly recommended that all students take no more than two production courses per semester.

Minor in Media Studies

The Minor in Media Studies consists of five courses for a total of 15 credits. At least one 200-level course and at least one 300-level course are required. The other three courses can be at any level. Course prerequisites must be satisfied. Internships and independent studies do not count towards the minor.

Honors

To qualify for departmental honors in Film or Media Studies, a student must have a 3.5 grade point average in major courses and a 3.0 grade point average overall. The student must also either complete an Honors Project FILM 40200 or MEDIA 40200, approved by the Department Policy and Curriculum Committee, with a grade of A; or a 400-level production or analytical seminar course with a grade of A. See the department for more information.

Geography

About the Department
The department offers courses in human geography, physical geography, earth systems science, geographic techniques and methods and geology. Students may major in geography, social studies education options within geography or environmental studies; and they may minor in geography, environmental studies or geology. These areas provide preparation for both graduate study and immediate employment. Courses in all of these fields are valuable parts of a general liberal education, developing an awareness of earth phenomena and the role these play in people’s lives.

The Center for Geographic Learning was established in 2004. At the undergraduate level in association with the Hunter College School of Education and the New York City Department of Education, the Center will help prepare students who wish to become teachers of social studies or earth science. See “Options in Social Studies Education within the Geography Major” and “Preparation for Graduate Work in Teaching Earth Science,” below.

The social studies education options prepare students for a career in teaching social studies at the grades 1-6 or 7-12 levels. The geography major with electives in P GEO/GTEC and a minor in one of the sciences prepares students to pursue further study leading to a career in teaching earth science. Many of these courses are concerned with the environmental problems that are of so much concern today and can provide part of a well-rounded program of environmental studies.

Revisions in the curricula within the Department of Geography that are currently under way may involve modifications in various requirements. Please consult with the department office for up-to-date information and requirements.

Programs and Courses

Programs and Courses in Geography

Administration and Faculty

Department Office:

1006 North
(212) 772-5265
fax (212) 772-5268
Web site: http://geography.hunter.cuny.edu

Chair:

Ines M. Miyares
1003E North
(212) 650-3591
imiyares@hunter.cuny.edu

Faculty

Geography Faculty

HEGIS Codes: 2206 (Geography); 2205 (Adolescent Education); 4999 (Environmental Studies)

Environmental Earth Science Concentration

Return to: Return to Programs and Courses in Geography
Required courses - 22 credits (including Capstone)

**CHEM 10200 - General Chemistry I**

GER 2/E  
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.  
*Primarily for pre-med, medical laboratory sciences and science majors.*  
*prereq or coreq: MATH 12500, 12600 or equiv.*  
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E  
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.  
*Primarily for premed, medical laboratory sciences and science majors.*  
*prereq: CHEM 10200 or CHEM 10000 with perm chair*  
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E  
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.  
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*  
*prereq: CHEM 10200*  
*coreq: CHEM 10400*  
8 hrs (6 lab, 2 rec)3 cr.

**GEOG 22600 - Environmental Conservation: Resource Management**

GER 2/B  
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.  
3 hrs3 cr.

**PGEOG 25000 - Earth System Science I**

GER 3/B  
In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.  
*prereq: at least one 100-level science course or perm instr.*  
*prereq or coreq: GEOL 10100 or PGEOG 13000 or GEOG 22600 or perm instr.*  
4 hrs3.5 cr.
PGEOG 25100 - Earth System Science II

GER 3/B
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.

prereq: PGEO 25000 or perm instr.
4 hrs3.5 cr.

Required Capstone Course - 3 credits

PGEOG 49000 - Honors in Environmental Studies

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.

prereq: perm dept.
-or-

PGEOG 49800 - Internship in Environmental Studies

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.

1-4 cr.

Electives - 18 credits

A minimum of 18 credits from the list below. 12 credits must be taken at the 300-level or higher. Electives are not counted towards the minor requirements.

Note: It is strongly recommended that students take STAT 11300 - Elementary Probability and Statistics.

GEOL 20500 - Environmental Geology

GER 3/B
As human populations continue to grow, resource depletion and hazards will become more severe. Many decisions concerning the use of resources, such as water, soil, minerals, energy and space to live, will determine our standard of living and the quality of the environment. Scientific knowledge, combined with human values, will dictate these decisions. This course examines not only the way geological processes operate and impact society, but also how the earth system responds to human activity. The difficult problems associated with extracting enormous quantities of resources needed to sustain modern societies will be discussed. The course will also address ways humans can minimize the risks associated with hazardous earth processes. Quantitative analysis of selected topics will be introduced to provide a deeper understanding of the complexity of today’s environmental issues.

prereq: GEOL 10100
3 hrs3 cr.

GEOL 28000 - Marine Geology

GER 3/B
Marine Geology is the study of the seafloor. This course attempts to answer the questions “what?”, “where?”, “when?” and more importantly “how?” in order to better understand the processes that shape the ocean basins and determine the
structure and composition of the oceanic crust. The main patterns of sediment distribution in the ocean basins and how sediments preserve a record of past climatic and sea-level changes will be explored. In addition, the role of fluids in ocean sediments and the oceanic crust will be examined. The seafloor sediments will be studied with a focus on their role in marine biogeochemical cycles.

**prereq:** GEOL 10200 or perm instr.

3 hrs

**Fall**

**GEOL 38000 - Advanced Oceanography: Chemistry and Physics of the Oceans**

**GER 3/B**

The oceans play a significant role in how the climate system responds to anthropogenic perturbations. To understand past, present and future climate, students need to know and understand the world ocean. Oceanography is multidisciplinary. It offers an opportunity to review and to apply many of the concepts taught in the major traditional disciplines of physics, chemistry, biology and mathematics. This course will offer an in-depth tour of the complex study of oceanography and an introduction to quantitative methods in oceanography using Matlab. This science-based course requires students to learn and understand, and be willing to work with, physical and quantitative concepts. Students must be prepared to learn the basics of computer scripting/programming syntax and logic, one of the major skills to be acquired in this course.

**prereq:** one sem CHEM or PHYS, MATH 15000 or equiv.

3 hrs

**GEOL 38300 - Special Topics in Geology and Oceanography**

**GER 3/B**

Intensive courses in various aspects of geology or oceanography. Topics to be announced.

**prereq:** 200-level course of which special topic is logical outgrowth; perm instr.

1-4 hrs

1-3 cr.

**GTECH 20100 - Introduction to Geographic Methods**

Introduces the means by which geographers analyze the world to better understand geography and geographical processes. It offers an introduction to various methods for interpreting and analyzing spatial data including, cartography, GIS, remote sensing, spatial statistics and survey research.

**prereq:** GEOG 10100 or GEOG 15000 and MATH 10100 or equiv or perm instr.

6 hrs

Offered fall and spring.

**GTECH 32100 - Remote Sensing of the Environment**

Focuses on use of satellite images to study the environment and the physical processes involved in remote sensing to better understand the nature and properties of electromagnetic radiation and how it interacts with the atmosphere and the Earth’s surface and a wide variety of satellite sensors. These sensors make measurements in the optical, thermal and microwave electromagnetic spectrums and are used to study issues related to global environmental science and natural resource management. The course includes heavy lab components which will include practical assignments, field exercises, computer-based analysis of remotely-sensed images and the use of image processing software (ENVI) to analyze satellite images. Field measurements will be made in Central Park to facilitate better understanding satellite measurements.
GTECH 36100 - Geographic Information Science I

Covers the GIS production process from data modeling and acquisition to editing, analysis, and cartographic output. GTECH 710 addresses students from both geography and other disciplines. Lecture examples, as well as hands-on exercises cover a range of application areas. The course is divided into two equally important parts: lectures, which introduce the theory of GIScience, and lab exercises, which help students with many aspects of the software. The lectures discuss concepts, data, tools, and major aspects to assignments. The laboratory sessions introduce the geospatial data and software tools needed for accomplishing the assignments. They will start at a very basic level, requiring little more than elementary experience with the Windows operating system.

PGEOG 31300 - Biogeography

GER 3/B
Provides an understanding of the geographic distribution and temporal variability of biological diversity over the face of the Earth and the biotic and abiotic factors and processes underlying these patterns and dynamics. Completion of PGEOG 25000/25100 and GTECH 37300 prior to enrollment is strongly recommended.

PGEOG 33200 - Introduction to Hydrology

GER 3/B
Designed to provide the basic understanding of how water on the Earth moves, distributes, circulates and interacts with the environment. Focus will be on hydrological processes including precipitation, evapotranspiration (evaporation and transpiration), soil water, ground water, and runoff, which form the complete water cycle at global, regional and watershed scales. The course will also cover some topics on how water responds to environmental changes and strategies of integrated water resources.

PGEOG 33500 - Urban and Metropolitan Coasts

GER 3/B
A systematic study of the natural and anthropogenic processes on urban coastal environments. Special emphasis on the coastline of the NY metropolitan area, with examples from coastal cities worldwide.

PGEOG 36100 - Global Climatic Change

GER 3/B
Open to Jr/Sr only. An intensive introduction to the study of climate change with emphasis on modern climate change,
anthropogenic forcing and measured and predicted consequences of this forcing. Students will develop an understanding of natural climate forcing, natural variability and feedbacks in the climate system while concurrently studying the Earth’s climate history, and modern climate change.

*prereq: PGEO 13000 or GEOL 10100 or 10500
3 hrs3 cr.*

**PGEOG 36300 - Environmental Hazards**

GER 3/B

The course, in response to actual and potential hazards, either natural or anthropogenic in origin, will investigate the processes that link fundamental social development to environmental processes that are influenced by human activities. Natural hazards, in many cases, augment the environmental fragility of our society and the consideration of environmental hazards needs to be incorporated into management of climate variability, storms, droughts, floods, earthquakes, etc. An aim is to seek preventive measures and find solutions to act on environmental hazards on national and international levels.

*prereq: PGEO 13000 or equiv. prereq or coreq: PGEOG 13000 or equiv.
3 hrs3 cr.*

**PGEOG 38300 - Special Topics in Environmental Studies**

GER 3/B

Open to Jr/Sr only. Topics to be announced.

*prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, one course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab)1-3 cr.*

Total credits 40

**Environmental Management and Policy Concentration**

Return to Programs and Courses in Geography

**Required courses - 22 credits (including Capstone)**

**CHEM 10200 - General Chemistry I**

GER 2/E

In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. *Primarily for pre-med, medical laboratory sciences and science majors.*

*prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.*

**CHEM 10400 - General Chemistry II**

GER 2/E

In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. *Primarily for premed, medical laboratory sciences and science majors.*
CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 10200*
*coreq: CHEM 10400*
8 hrs (6 lab, 2 rec)3 cr.

GEOG 22600 - Environmental Conservation: Resource Management

GER 2/B
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.
3 hrs3 cr.

PGEOG 25000 - Earth System Science I

GER 3/B
In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.
*prereq: at least one 100-level science course or perm instr.*
*prereq or coreq: GEOL 10100 or PGEOG 13000 or GEOG 22600 or perm instr.*
4 hrs3.5 cr.

PGEOG 25100 - Earth System Science II

GER 3/B
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.
*prereq: PGEO 25000 or perm instr.*
4 hrs3.5 cr.

Required Capstone Course - 3 credits

PGEOG 49000 - Honors in Environmental Studies

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.
*prereq: perm dept.*
PGEOG 49800 - Internship in Environmental Studies

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.

1-4 cr.

Electives - 18 credits

A minimum of 18 credits from the list of courses below. 12 credits must be taken at the 300-level or higher. Elective credits are not counted towards the minor requirements. Courses not listed may be included in a student’s concentration with permission of the ES adviser.

Note: It is strongly recommended that students take STAT 11300 Probability and Statistics.

COMHE 32500 - Environmental Public Health

Impact of environmental problems associated with urbanization, e.g., water quality, air and noise pollution, waste disposal and radiation hazards.

prereq: acceptance to the COMHE major, or permission of the instructor

3 hrs 3 cr.

GEOG 24100 - Population Geography

GER 3/B PD/B or C

Course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.

prereq: GEOG 101 or GEOG 150 or perm instr.

3 hrs 3 cr.

GEOG 32800 - Urban Environmental Problems: Evaluations and Solutions

GER 3/B

Open to Jr/Sr only. The special environmental problems of urban and metropolitan areas will be studied, including water supplies, waste management, environmental impact and waterfront use. Natural physical processes, methodologies and techniques will be reviewed and applied to decision making. Transportation fee for field work may be required.

prereq: GEOG 101 or GEOG 150 or URBS 101 and Jr/Sr standing

3 hrs 3 cr.

GEOG 33500 - International Pollution Issues

GER 3/B

A study of international trans-boundary pollution and the science, source terms, transport pathways and international impacts of contamination events. The regional focus will change yearly pending current global environmental events.

prereq: GEOG 101 or GEOL 101 or PGEO 130 or perm instr.

3 hrs 3 cr.
GEOG 34100 - Urban Geography

GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.

 prereq: GEOG 101 or GEOG 150 or perm instr, Jr/Sr only
3 hrs3 cr.

GEOG 37000 - Geography of Sustainable Development in Developing Countries

GER 3/B PD/A
Reviews the theories and approaches of international development. Themes include development theory, availability and distribution of resources, population growth, food production, water supply and forestry. The course will also highlight the development and environmental problems that challenge the achievement of sustainable development such as population growth, food and world economic crises, increasing number of the poor and climate change. The course will provide students with theory, methods, problems and analysis of factors that influence sustainable development in developing countries.

 prereq: one of the following: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.
3 hrs3 cr.

GEOG 37100 - Rural Water Supply in Developing Regions

GER 3/B PD/A
Covers concepts, methods and analysis of rural water utilization and related problems and challenges in developing countries. It will discuss water management and quality and their relationship with sanitation and hygiene education. The course will also discuss methods of providing drinking water in a sustainable manner.

 prereq: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.
3 hrs3 cr.

GEOL 20500 - Environmental Geology

GER 3/B
As human populations continue to grow, resource depletion and hazards will become more severe. Many decisions concerning the use of resources, such as water, soil, minerals, energy and space to live, will determine our standard of living and the quality of the environment. Scientific knowledge, combined with human values, will dictate these decisions. This course examines not only the way geological processes operate and impact society, but also how the earth system responds to human activity. The difficult problems associated with extracting enormous quantities of resources needed to sustain modern societies will be discussed. The course will also address ways humans can minimize the risks associated with hazardous earth processes. Quantitative analysis of selected topics will be introduced to provide a deeper understanding of the complexity of today’s environmental issues.

 prereq: GEOL 10100
3 hrs3 cr.

GEOL 33400 - Coastal Geomorphology

GER 3/B
A study of the basic processes shaping the coast and the resulting form; surficial morphology and internal geometry of such forms as cliffs, dunes, beaches and near shore bars. Map exercise and a one-day field trip.

 prereq: GEOL 23100 or PGEO 23100 or equiv. or perm dept.
3 hrs3 cr.
**GEOL 38300 - Special Topics in Geology and Oceanography**

GER 3/B

Intensive courses in various aspects of geology or oceanography. Topics to be announced.

*prereq:* 200-level course of which special topic is logical outgrowth; perm instr.

1-4 hrs (lec or lec/lab) 1-3 cr.

**GTECH 32100 - Remote Sensing of the Environment**

Focusses on use of satellite images to study the environment and the physical processes involved in remote sensing to better understand the nature and properties of electromagnetic radiation and how it interacts with the atmosphere and the Earth’s surface and a wide variety of satellite sensors. These sensors make measurements in the optical, thermal and microwave electromagnetic spectrums and are used to study issues related to global environmental science and natural resource management. The course includes heavy lab components which will include practical assignments, field exercises, computer-based analysis of remotely-sensed images and the use of image processing software (ENVI) to analyze satellite images. Field measurements will be made in Central Park to facilitate better understanding satellite measurements.

*prereq:* GTEC 32000 or perm instr.

4 hrs (2 lec, 2 lab) 3 cr.

**GTECH 38500 - GIS Applications**

Selected topics in GIS applications to human and physical geographic problems. See department for topics offered. May be repeated for credit as topics change.

*prereq:* GTEC 20100 or equiv.

3 hrs 3 cr.

**PGEOG 31300 - Biogeography**

GER 3/B

Provides an understanding of the geographic distribution and temporal variability of biological diversity over the face of the Earth and the biotic and abiotic factors and processes underlying these patterns and dynamics. Completion of PGEOG 25000/25100 and GTECH 37300 prior to enrollment is strongly recommended.

*prereq:* PGEOG 13000, GEOG 10100 or BIOL 10000/10200

3 hrs 3 cr.

**PGEOG 33500 - Urban and Metropolitan Coasts**

GER 3/B

A systematic study of the natural and anthropogenic processes on urban coastal environments. Special emphasis on the coastline of the NY metropolitan area, with examples from coastal cities worldwide.

*prereq or coreq:* Prereq: GEOL 10100 or GEOG 10100

3 hrs 3 cr.

**PGEOG 36100 - Global Climatic Change**
GER 3/B
Open to Jr/Sr only. An intensive introduction to the study of climate change with emphasis on modern climate change, anthropogenic forcing and measured and predicted consequences of this forcing. Students will develop an understanding of natural climate forcing, natural variability and feedbacks in the climate system while concurrently studying the Earth’s climate history, and modern climate change.

**prereq:** PGEO 13000 or GEOL 10100 or 10500

3 hrs 3 cr.

**PGEOG 36300 - Environmental Hazards**

GER 3/B

The course, in response to actual and potential hazards, either natural or anthropogenic in origin, will investigate the processes that link fundamental social development to environmental processes that are influenced by human activities. Natural hazards, in many cases, augment the environmental fragility of our society and the consideration of environmental hazards needs to be incorporated into management of climate variability, storms, droughts, floods, earthquakes, etc. An aim is to seek preventive measures and find solutions to act on environmental hazards on national and international levels.

**prereq:** PGEO 13000 or equiv. **prereq or coreq:** PGEOG 13000 or equiv.

3 hrs 3 cr.

**PGEOG 38300 - Special Topics in Environmental Studies**

GER 3/B

Open to Jr/Sr only. Topics to be announced.

**prereq:** GEOL 10500, GEOG 22600 or PGEOG 13000, one course of which special topic is logical outgrowth; perm instr.

1-4 hrs (lec or lec/lab) 1-3 cr.

**POLSC 24400 - Energy and Environmental Politics and Public Policy (W)**

GER 3/B

Examination of political processes and public policies shaping energy production and consumption in the U.S. with comparative reference to other countries. Emphasis on political, economic, social, environmental and foreign policy aspects.

**prereq:** ENGL 12000 or its equivalent

3 hrs 3 cr.

**SOC 36100 - Development and Modernization (W)**

GER 3/B PD/A

Examinations of models of social change with a special focus on developing countries.

**prereq:** SOC 10100

3 hrs 3 cr.

**URBS 31000 - Methods of Urban Research and Policy Analysis**

GER 3/B

Survey of research skills necessary for analysis of contemporary urban issues. Includes review of data sources, methods of forecasting, use of computer, and methods of information presentation.
prereq: URBS 10200 or perm instr.
3 hrs 3 cr.

URBS 40100 - Managing Urban Physical Environment

GER 3/B
Advanced study of the physical structure of cities which includes an analysis of zoning, land use, transportation, and the location of housing. The role of public and private agencies at local, state, and national levels in the planning and management of the physical environment is also considered.

prereq: URBS 20100 or perm instr.
3 hrs 3 cr.

Total credits 40

Note(s):

*Graduate course. See 2006-2009 graduate catalog. Available to upper seniors or with instructor permission. Students who wish to take a 700-level course to satisfy the major must obtain permission from both the environmental studies adviser and the offering department.

Environmental Studies - BA

The major offers two concentrations which are organized to promote an intensive understanding of contemporary physical science, specifically earth system science as it relates to environmental issues, and an intensive understanding of a system-based approach to the dynamic nature of human-environmental interactions particularly as manifest in contemporary politics and economics. The concentrations are Environmental Earth Science and Environmental Management and Policy. It is suggested that students select a concentration as they enter the major with the understanding that the choice is not final at this stage and students can switch concentrations as they advance in the program. To aid in this process, the curriculum offers a common core of required courses, as well as sufficient overlap within the required elective courses. It is strongly recommended that students considering this major meet with the adviser to discuss their interests and program of studies as courses may be added or deleted as the college’s and department’s offerings change. One or more courses not listed below may be included in a student’s concentration with the advice and consent of the adviser.

A. Environmental Earth Science Concentration
B. Environmental Management and Policy Concentration

Internships

Students can receive from one to four credits for internships in government agencies, consumer and activist groups, business and industry and media organizations involved in energy issues (e.g., Council on the Environment of NYC, Energy Task Force, NY State Assembly, Sierra Club, International Earthcare Center, NY State Department of Energy, Brooklyn Union Gas, NYC Department of Environmental Protection and the American Museum of Natural History).

Minor in Environmental Studies

A minor in environmental studies consists of a minimum of 12 credits as follows
one course selected from

PGEOG 13000 - Weather and Climate

GER 2/E
Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.

5 hrs (3 lec, 2 lab) 4 cr.
Offered in the Fall and Spring.

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, 'systems thinking', the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.

6 hrs (3 lec, 3 lab) 4.5 cr.
Offered fall and spring.

GEOL 10500 - Introduction to Environmental Geoscience

Introduction to environmental geoscience focusing on aspects of global change and the interrelationship of earth systems. Review of the evolution of the earth from its origins to potential future developments; environmental problems and issues.
prereq: ENGL 12000

3 hrs 3 cr.

GEOL 18000 - Introduction to Oceanography

GER 2/E
Dynamic processes are responsible for the ocean’s influence on our environment and life cycles on earth. The course introduces students to the broad field of oceanography and specifically identifies areas which are of concern on both local and global scales. The origins of the oceans and life as it exists in today’s ocean will be covered. Lectures will include the sub-disciplines of biological, chemical, physical, and geological oceanography and concepts that relate to continental margins, ocean basins, sediments and seafloor spreading. Emphasis will be given to the interaction between the circulation of the atmosphere and ocean surface currents, deep ocean circulation, waves and tides. The coastal zone as a fragile environment will be highlighted in connection with dynamic physical and biological processes. No lab component.

3 hrs 3 cr.
Offered fall and spring.

and

at least one course (minimum of 3 credits) selected from

PGEOG 25000 - Earth System Science I
GER 3/B
In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.
prereq: at least one 100-level science course or perm instr. prereq or coreq: GEOL 10100 or PGEOG 13000 or GEOG 22600 or perm instr.
4 hrs 3.5 cr.

PGEOG 25100 - Earth System Science II

GER 3/B
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.
prereq: PGE 25000 or perm instr.
4 hrs 3.5 cr.

GEOG 22600 - Environmental Conservation: Resource Management

GER 2/B
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.

3 hrs 3 cr.

GEOL 28000 - Marine Geology

GER 3/B
Marine Geology is the study of the seafloor. This course attempts to answer the questions “what?”, “where?”, “when?” and more importantly “how?” in order to better understand the processes that shape the ocean basins and determine the structure and composition of the oceanic crust. The main patterns of sediment distribution in the ocean basins and how sediments preserve a record of past climatic and sea-level changes will be explored. In addition, the role of fluids in ocean sediments and the oceanic crust will be examined. The seafloor sediments will be studied with a focus on their role in marine biogeochemical cycles.
prereq: GEOL 10200 or perm instr.
3 hrs 3 cr.
Fall

GTECH 20100 - Introduction to Geographic Methods

Introduces the means by which geographers analyze the world to better understand geography and geographical processes. It offers an introduction to various methods for interpreting and analyzing spatial data including, cartography, GIS, remote sensing, spatial statistics and survey research.

prereq: GEOG 10100 or GEOG 15000 and MATH 10100 or equiv or perm instr.
6 hrs (2 lec, 4 lab) 4 cr.
Offered fall and spring.
Minor in Geology

A minor in geology consists of 12 credits selected from GEOL prefix courses

-or-

PGEOG 23100 - Physical Geography II: Principles of Geomorphology
See GEOL 23100

-or-

PGEOG 33400 - Coastal Geomorphology See GEOL 33400
See GEOL 33400

-or-

GTECH 35000 - Field Topographic Surveying
Field use of surveying equipment. Notebook and computer data collection relating to horizontal and vertical location on the landscape, including the use of global positioning systems. Field record-keeping and preliminary analysis of results. Fee for transportation, accommodations and food allowance required.

prereq: GTEC 20100, perm instr.
90 hrs of field/lab work (1 day lab, 10 days field)3 cr.
Offered summer intersession (check with dept. in April).
Prerequisites may apply. It is recommended that prospective geology minors consult with an undergraduate adviser from the Department of Geography.

Additional Information

If after taking a number of geology courses at Hunter, a student wishes to concentrate in geology, it is recommended that the student transfer to a unit of CUNY offering a geology major or take courses on permit at other CUNY units as elective credits.

Preparation for Graduate Work in Teaching Earth Science

For students planning to pursue an MA degree for teachers of earth science, grades 7-12, it is recommended that they complete the following undergraduate work: a baccalaureate degree with a grade point average of 2.8 or better in their science courses and in their overall undergraduate work; a major of at least 30 credits in arts and sciences.

At least 21 credits in

• geology,
• physical geography,
• earth science or environmental science, including geographic techniques;
• general education core in the liberal arts and sciences that includes
o 6 credits in English,
o 6 credits in mathematics/technology,
o 6 credits in social studies (to include at least one course in U.S. history or geography),
o 6 credits in the arts and
o 6 credits in a language other than English.

It is recommended, but not required, that the criteria above be satisfied using

• electives selected from GEOL, PGEOG and GTECH courses;
• a minor in geology;
• GER core requirement laboratory science chosen from
  o chemistry,
  o physics or
  o biology and
• GER core requirement non-laboratory science chosen from
  o astronomy,
  o oceanography,
  o statistics or mathematics.

For further information on the education requirements, students should see an adviser in the School of Education.

Honors Work and Individual Study

To graduate with departmental honors, a major in the geography or environmental studies program must be admitted to

**GEOG 49000 - Honors in Geography**

Upper Jr/Sr geography majors only. Individual research to be carried on under faculty guidance. Results must be embodied in an honors essay or equivalent.

*prereq: perm dept.*

1 sem 3 cr.

**PGEOG 49000 - Honors in Environmental Studies**

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.

*prereq: perm dept.*

• and have a 3.0 cumulative GPA and a 3.5 GPA in the major.

The following courses also offer students the opportunity of undertaking individual research in geography, geology or environmental studies.

**GEOG 39100 - Individual Study in Geography**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq: 2 sem of geography, perm dept.*

1-3 cr

**GEOG 39200 - Individual Study in Geography**
Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**GEOG 39300 - Individual Study in Geography**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq: 2 sem of geography, perm dept.*

1-3 cr

**GEOL 39100 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq: 2 sems of geology, perm dept.*

1-3 cr

**GEOL 39200 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq: 2 sems of geology, perm dept.*

1-3 cr

**GEOL 39300 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq: 2 sems of geology, perm dept.*

1-3 cr

**PGEOG 39100 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq: GEOL 10500, GEOG 22600 or PGEOG 13000*

1-3 cr

**PGEOG 39200 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, perm instr.*

1-3 cr

**PGEOG 39300 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq: GEOL 10500, GEOG 22600 or PGEOG 13000; perm instr.*

1-3 cr

**Fieldwork**
Several courses offer students an opportunity to study geography, geology and environmental situations in the field. They are usually offered during intersession periods, summer session or on weekends (consult Schedule of Classes). In addition to the regular field courses, special-topic field courses are offered periodically and fieldwork is conducted in connection with a number of the other courses. The department participates in the Study Abroad Program. It offers a field geography of selected world regions course (check with adviser for current location). An additional fee for transportation, lodging and food allowance is attached to these courses, depending on the focus of the course and its itinerary.

Graduate Study

Graduate-level courses may be taken for credit toward the bachelor’s degree by highly qualified seniors. Written permission must be obtained from the undergraduate and graduate advisers.

Intern Program

Internship provides opportunities for qualified majors and minors in both geography and environmental studies to work in positions of responsibility in professional institutions while earning from 1 to 4 academic credits. See a departmental adviser for details.

**GEOG 49800 - Internship**

Open to qualified geography majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See undergraduate adviser.

1-4 cr.

**PGEOG 49800 - Internship in Environmental Studies**

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.

1-4 cr.

Five-Year BA/MA Program in Environmental Studies and Adolescent Education: Earth Science (Grade 7-12)

Students who major in Environmental Studies may also want to complete a sequence of courses that will enable them to pursue a career teaching earth science in grades 7-12. The BA/MA program in Environmental Studies and Adolescent Education: Earth Science is designed to prepare prospective teachers to serve as high-quality educator for adolescents in urban schools.

This is an accelerated program leading to a BA in Environmental Studies and an MA in Adolescent Education: Earth Science. The program is designed for highly qualified Environmental Studies majors who, during their sophomore year, decide to pursue a career in secondary school teaching. This program will ensure that these students receive all of their pedagogical and disciplinary training before entering the classroom to teach. Students who complete the 134 credit program will have satisfied the coursework requirements for teacher certification. The 18 elective credits required for the Environmental Studies degree must emphasize atmospheric systems, earth systems, water systems, or geological systems.
For students in this BA/MA program, the 18 credit elective portion of the Environmental Earth Science Concentration major must include GEOL 102, PGEOG 130, ASTRO 100/107 or, after spring 2011, ASTRO 101, and a minimum of 9 undergraduate credits selection from 200- and 300-level GEOL, PGEOG, and GTECH courses (with the exception of GTECH 201), and the independent study, honors, and internship courses in each of these series.

Students interested in this program should speak to adviser in the Department of Geography during their sophomore year to review the curriculum path for the five-year program. And students should also speak to an adviser in the School of Education as soon as possible.

Admission to the School of Education is not automatic with admission to Hunter College. There is a separate admission process that involves a paper application, a writing sample, and an interview.

### Required Courses

**ASTRO 10100 - Basic Concepts of Astronomy with Laboratory Exercises**

GER 2/E with lab

An introductory, one-semester astronomy course designed for non-science majors. Topics include: basic observational features of the night sky, and their explanations; Kepler's laws of planetary motion; Newton's laws of motion and gravitation. Properties of light, and how it reveals the nature of its source. Origin, properties, and evolution of our solar system. The origin and evolution of stars, including giants, dwarfs, supernovae, neutron stars, and black holes. Structure of The Milky Way and other type of galaxies. Cosmology, Hubble's Law and the expanding universe, from the Big Bang to the present; future scenarios.

*The lab consists of traditional hardware experiments and virtual online experiments.*

*Students taking this course will be required to submit online and hard-copy laboratory reports.*

5 hrs 4 cr.

-or-

**ASTRO 10700 - Laboratory Exercises in Astronomy**

GER 2/E

Classroom and online experimental laboratory exercises in astronomy to observe the major features of the night sky, demonstrate the physical basis of astronomical instruments, and experiment with astronomical phenomena. Only offered to students who have previously taken ASTRO 100 which is no longer offered [ASTRO 100 + ASTRO 107 are replaced by ASTRO 10100].

*prereq or coreq: ASTRO 10000*

2 hrs 1 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E

In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

*Primarily for pre-med, medical laboratory sciences and science majors.*

*prereq or coreq: MATH 12500, 12600 or equiv.*

5 hrs (4 lec, 1 rec) 4 cr.

and

**CHEM 10400 - General Chemistry II**
GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

Primarily for premed, medical laboratory sciences and science majors.

Prereq: CHEM 10200 or CHEM 10000 with perm chair

5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.

Prereq: CHEM 10200

Coreq: CHEM 10400

8 hrs (6 lab, 2 rec) 3 cr.

-or-

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

Prereq: MATH 10100 or equivalent

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

Fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

Prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

Spring only

GEOG 22600 - Environmental Conservation: Resource Management

GER 2/B
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.

3 hrs 3 cr.
**GEOL 18000 - Introduction to Oceanography**

GER 2/E
Dynamic processes are responsible for the ocean’s influence on our environment and life cycles on earth. The course introduces students to the broad field of oceanography and specifically identifies areas which are of concern on both local and global scales. The origins of the oceans and life as it exists in today’s ocean will be covered. Lectures will include the sub-disciplines of biological, chemical, physical, and geological oceanography and concepts that relate to continental margins, ocean basins, sediments and seafloor spreading. Emphasis will be given to the interaction between the circulation of the atmosphere and ocean surface currents, deep ocean circulation, waves and tides. The coastal zone as a fragile environment will be highlighted in connection with dynamic physical and biological processes. No lab component.
3 hrs 3 cr.
Offered fall and spring.

**GEOL 10100 - Fundamentals of Geology**

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, “systems thinking”, the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab) 4.5 cr.
Offered fall and spring.

**GEOL 10200 - Plate Tectonics and the Earth’s Evolution**

GER 2/E
The second course in geology offered to non-geology majors. It is designed to familiarize students with the main concepts used in deciphering and interpreting earth’s evolution from the spatial and temporal perspective. Topics to be covered include: geologic time; geological principles; earth materials as recorders of past geologic processes; depositional environments and sedimentary rock record; igneous and metamorphic geologic environments and their rock records; evolution of the solar system; plate tectonics and life on earth; origin of the universe; life on earth and the fossil record; Precambrian, Paleozoic, Mesozoic, and Cenozoic life, history and tectonics. Field trips may be required; transportation fee.
prereq: GEOL 10100
5 hrs (3 lec, 2 lab) 4 cr.
Offered fall.

**GEOL 20500 - Environmental Geology**

GER 3/B
As human populations continue to grow, resource depletion and hazards will become more severe. Many decisions concerning the use of resources, such as water, soil, minerals, energy and space to live, will determine our standard of living and the quality of the environment. Scientific knowledge, combined with human values, will dictate these decisions. This course examines not only the way geological processes operate and impact society, but also how the earth system responds to human activity. The difficult problems associated with extracting enormous quantities of resources needed to sustain modern societies will be discussed. The course will also address ways humans can minimize the risks associated with hazardous earth processes. Quantitative analysis of selected topics will be introduced to provide a deeper understanding of the complexity of today’s environmental issues.
prereq: GEOL 10100
3 hrs 3 cr.

**GEOL 28000 - Marine Geology**
GER 3/B
Marine Geology is the study of the seafloor. This course attempts to answer the questions “what?”, “where?”, “when?” and more importantly “how?” in order to better understand the processes that shape the ocean basins and determine the structure and composition of the oceanic crust. The main patterns of sediment distribution in the ocean basins and how sediments preserve a record of past climatic and sea-level changes will be explored. In addition, the role of fluids in ocean sediments and the oceanic crust will be examined. The seafloor sediments will be studied with a focus on their role in marine biogeochemical cycles.  
prereq: GEOL 10200 or perm instr.  
3 hrs3 cr.  
Fall

MATH 12500 - Precalculus

GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.  
prereq: grade of C or better in MATH 10100 or appropriate score on placement exam  
4 hrs4 cr.

PGEOG 13000 - Weather and Climate

GER 2/E
Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.  
5 hrs (3 lec, 2 lab)4 cr.  
Offered in the Fall and Spring

PGEOG 25000 - Earth System Science I

GER 3/B
In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.  
prereq: at least one 100-level science course or perm instr.prereq or coreq: GEOL 10100 or PGEOG 13000 or GEOG 22600 or perm instr.  
4 hrs3.5 cr.

PGEOG 25100 - Earth System Science II

GER 3/B
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.  
prereq: PGEO 25000 or perm instr.  
4 hrs3.5 cr.
PGEOG 49000 - Honors in Environmental Studies

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.
prereq: perm dept.

PGEOG 49800 - Internship in Environmental Studies

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.
1-4 cr.

Major Electives 6-8 credits
Graduate Courses (see graduate catalog)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PGEOG 630 Science and Society</td>
<td>3</td>
</tr>
<tr>
<td>PGEOG 660 Challenging Concepts in Earth Science</td>
<td>4</td>
</tr>
<tr>
<td>PGEOG 701.63 Earth Science Today</td>
<td>3</td>
</tr>
<tr>
<td>GTECH 710 Introduction to GIS</td>
<td>3</td>
</tr>
<tr>
<td>SEDC 710 Building Foundations of Literacy</td>
<td>3</td>
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<tr>
<td>SEDC 713 Methods I</td>
<td>3</td>
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<tr>
<td>SEDC 720 Adolescent Health and Safety</td>
<td>1</td>
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<tr>
<td>SEDC 724 Methods II</td>
<td>2</td>
</tr>
<tr>
<td>SEDC 754.04 Student Teaching in Earth Sciences</td>
<td>5</td>
</tr>
<tr>
<td>SEDF 703 Social Foundations of Adolescent Education</td>
<td>3</td>
</tr>
<tr>
<td>SEDF 704 Adolescent Development</td>
<td>2</td>
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<tr>
<td>SEDF 705 Educational Psychology</td>
<td>2</td>
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<tr>
<td>SEDF 706 Assessment of Teaching and Learning</td>
<td>2</td>
</tr>
<tr>
<td>PGEOG or GTECH elective credits (grad)</td>
<td>3</td>
</tr>
</tbody>
</table>

Geography - BA

Students who expect to do graduate work in geography are advised to take courses in statistics and/or computer science. We suggest, but do not require, that those planning to continue to the doctoral level fulfill the GER Foreign Language Requirement with the language of the area of regional specialization.

Major in Geography (30 cr)

PGEOG 13000 - Weather and Climate

GER 2/E
Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant
environmental issues of our time.

5 hrs (3 lec, 2 lab) 4 cr.

Offered in the Fall and Spring

GTECH 20100 - Introduction to Geographic Methods

Introduces the means by which geographers analyze the world to better understand geography and geographical processes. It offers an introduction to various methods for interpreting and analyzing spatial data including, cartography, GIS, remote sensing, spatial statistics and survey research.

prereq: GEOG 10100 or GEOG 15000 and MATH 10100 or equiv or perm instr.

6 hrs (2 lec, 4 lab) 4 cr.

Offered fall and spring.

GEOG 22100 - Economic Geography

GER 2/B

An introduction to the sub-discipline of economic geography, which will include an exploration of the history of both economics and geography, and a rigorous global approach to the subjects. Students will come to understand the history of the development of economic thought, leading up to, and transformed, by today’s crisis, as well as the particularly geographical nature of economic phenomena and processes, and the immense contributions geographers have made to the understanding of economics. Course focus is on the dominant form of global economic activity today, which is capitalistic, and the way this economic structure plays out through different geographies at different historical moments in time.

Not open to freshmen

prereq: GEOG 10100 or perm instr.

3 hrs 3 cr.

Offered fall and spring

• One regional geography course (3 cr)

Additional Information

A minimum of 15 additional credits consisting of 0-6 credits selected from 200-level courses with a PGEOG, GTECH, GEOG or GEOL prefix; and a minimum of 9 credits selected from 300-level courses with a PGEOG, GTECH or GEOG prefix (except GEOG 39100, GEOG 39200 and GEOG 39300 and PGEOG 39100 PGEOG 39200 and PGEOG 39300) or LACS 33000.

It is recommended, but not required, that geography majors use the following to satisfy a portion of the General Education Requirement.

Note that GEOG 10100 is a prerequisite to GEOG 22100, but does not count toward the major.

GEOL 10100 - Fundamentals of Geology

GER 2/E

Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.

6 hrs (3 lec, 3 lab) 4.5 cr.

Offered fall and spring.
**GEOL 10200 - Plate Tectonics and the Earth’s Evolution**

GER 2/E
The second course in geology offered to non-geology majors. It is designed to familiarize students with the main concepts used in deciphering and interpreting earth’s evolution from the spatial and temporal perspective. Topics to be covered include: geologic time; geological principles; earth materials as recorders of past geologic processes; depositional environments and sedimentary rock record; igneous and metamorphic geologic environments and their rock records; evolution of the solar system; plate tectonics and life on earth; origin of the universe; life on earth and the fossil record; Precambrian, Paleozoic, Mesozoic, and Cenozoic life, history and tectonics. Field trips may be required; transportation fee.

*prereq: GEOL 10100
5 hrs (3 lec, 2 lab)4 cr.
Offered fall.*

**STAT 11300 - Elementary Probability and Statistics**

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

*prereq: MATH 10100 or appropriate score on placement exam
*prereq or coreq: ENGL 12000
3 hrs3 cr.*

-or-

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

*prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.*

**Minors for Geography Majors**

A minor course of study is no longer required at Hunter College. However, geography majors can elect to minor in any field of their choice. It is recommended, but not required, that the chosen field be related to the student’s principal interest(s) in geography, and that the student consult with the Geography Undergraduate Adviser prior to selection of a minor course of study.

**Minor in Geography**
A minor in geography consists of a minimum of 12 credits chosen from undergraduate courses that have a GEOG, PGEOG or GTECH prefix. Prerequisites may apply. Thoughtful selection of courses may result in a minor program of study that will enhance the student’s major. It is recommended that prospective geography minors consult with the geography undergraduate adviser concerning course selection.

Options in Social Studies Education within the Geography Major

The Department of Geography and the School of Education provide opportunities for students to prepare for a career in teaching social studies in grades 1-6 (Childhood Education) or in grades 7-12 (Adolescent Education).

1. Option in Social Studies within the Geography Major for Childhood Education Teachers
2. Option in Social Studies within the Geography Major for Adolescent Education Teachers

Honors Work and Individual Study

To graduate with departmental honors, a major in the geography or environmental studies program must be admitted to the following and have a 3.0 cumulative GPA and a 3.5 GPA in the major.

**GEOG 49000 - Honors in Geography**

Upper Jr/Sr geography majors only. Individual research to be carried on under faculty guidance. Results must be embodied in an honors essay or equivalent.

*prereq: perm dept.*

1 sem 3 cr.

**PGEOG 49000 - Honors in Environmental Studies**

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.

*prereq: perm dept.*

The following courses

Also offer students the opportunity of undertaking individual research in geography, geology or environmental studies.

**GEOG 39100 - Individual Study in Geography**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq: 2 sem of geography, perm dept.*

1-3 cr

**GEOG 39200 - Individual Study in Geography**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq: 2 sem of geography, perm dept.*

1-3 cr

**GEOG 39300 - Individual Study in Geography**
Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** 2 sem of geography, perm dept.
1-3 cr

**GEOL 39100 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** 2 sems of geology, perm dept.
1-3 cr.

**GEOL 39200 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** 2 sems of geology, perm dept.
1-3 cr.

**GEOL 39300 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** 2 sems of geology, perm dept.
1-3 cr.

**PGEOG 39100 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** GEOL 10500, GEOG 22600 or PGEOG 13000
1-3 cr.

**PGEOG 39200 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** GEOL 10500, GEOG 22600 or PGEOG 13000, perm instr.
1-3 cr.

**PGEOG 39300 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** GEOL 10500, GEOG 22600 or PGEOG 13000; perm instr.
1-3 cr.

**Fieldwork**

Several courses offer students an opportunity to study geography, geology and environmental situations in the field. They are usually offered during intersession periods, summer session or on weekends (consult Schedule of Classes). In addition to the regular field courses, special-topic field courses are offered periodically and fieldwork is conducted in connection with a number of the other courses. The department participates in the Education Abroad Program. It offers a field geography of selected world regions course (check with adviser for current location). An additional fee for transportation, lodging and food allowance is attached to these courses, depending on the focus of the course and its itinerary.
Graduate Study

Graduate-level courses may be taken for credit toward the bachelor’s degree by highly qualified seniors. Written permission must be obtained from the undergraduate and graduate advisers.

Intern Program

Internship provides opportunities for qualified majors and minors in both geography and environmental studies to work in positions of responsibility in professional institutions while earning from 1 to 4 academic credits. See a departmental adviser for details.

GEOG 49800 - Internship

Open to qualified geography majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See undergraduate adviser.

1-4 cr.

PGEOG 49800 - Internship in Environmental Studies

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.

1-4 cr.

Option in Social Studies within the Geography Major for Adolescent Education Teachers

Return to: Geography - BA

In cooperation with the School of Education, the Department of Geography provides opportunities for students to prepare for a career in teaching social studies in grades 7 – 12. In addition to mandatory course work provided by the School of Education, interested students must complete the course of study outlined below. At least 18 credits of these courses or equivalents must be satisfactorily completed (grade of C or better) before the student enrolls in the social studies methods courses. Refer to the catalog section specific to programs in the School of Education.

Transfer students who enter Hunter College with more than 90 credits or who will exceed 90 credits in completing the prerequisites for this option in the Geography major, cannot apply for the Adolescent Education program of the School of Education. They may still complete this option within the Geography major but must complete a Master of Arts degree in Adolescent Education before certification as a New York State teacher. While New York State recognizes the regular major in Geography for certification in Childhood Education, students interested in becoming certified as Social Studies-Adolescent Education teachers in New York State must complete this interdisciplinary course of study.

Prerequisites for the Major 9 credits

HIST 15100 - The United States from the Colonial Era to the Civil War (W)
GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 15200 - The United States from the Civil War Era to the Present (W)
GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

GEOG 15000 - World Regional Geography
GER 2/B PD/A or D
A survey of the world’s major regions. Geographic concepts and principles are used to study the physical, economic, social and political conditions and problems in the culturally diverse world. Spatial expression of culture; specialized behavior patterns; adaptations and way of life in distinct environments. Regional interdependence; implications for development.
prereq: ENGL 12000
3 hrs3 cr.
Offered fall and spring

Requirements for the Major 36 credits

ECO 10000 - Introduction to Economics
GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics.
Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.
3 hrs3 cr.

GEOG 24100 - Population Geography
GER 3/B PD/B or C
Course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.
prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs3 cr.

GEOG 25100 - Geography of the United States and Canada
GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the
ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges.

prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs3 cr.

HIST 11100 - World History to 1500

GER 2/B PD/A
The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional connections; the spread of civilization across the globe.

Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 11200 - World History from 1500 to the Present

GER 2/B
The transition from relatively isolated individual cultures to an interrelated global network; the impact of the democratic and scientific revolutions; the development of nationalism and internationalism among the nations of the world.

Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

1. Required courses (18 cr.)

POLSC 11000 - American Government: A Historical Introduction (W)

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

ECO 10000 - Introduction to Economics

GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics.

Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.
3 hrs3 cr.

GEOG 24100 - Population Geography

GER 3/B PD/B or C
Course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.
GEOG 25100 - Geography of the United States and Canada

GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges.

HIST 11100 - World History to 1500

GER 2/B PD/A
The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional connections; the spread of civilization across the globe.

HIST 11200 - World History from 1500 to the Present

GER 2/B
The transition from relatively isolated individual cultures to an interrelated global network; the impact of the democratic and scientific revolutions; the development of nationalism and internationalism among the nations of the world.

2. One 3-credit course in cultural anthropology (ANTHC) or Sociology (3 cr)
   - One 3-credit course in cultural anthropology (ANTHC) or Sociology (SOC) selected with approval of the Geography Undergraduate Adviser.

3. Elective Courses in History (6 credits)
   - Any two 3-credit 300-level courses in history with approval of the Geography Undergraduate Adviser.

4. Elective Courses in Geography (9 credits, at least 6 credits at the 300-level)

GEOG 27000 - Regional Geography of Mexico, Central America and the Caribbean
GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Mexico, Central America and West Indies.
3 hrs 3 cr.

GEOG 27100 - Regional Geography of South America
GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of South America.
3 hrs 3 cr.

GEOG 27500 - Regional Geography of Sub-Saharan Africa
GER 3/B PD/A
Analysis of the relationship of natural environment to economic, social and political life of Africa south of Sahara.
3 hrs 3 cr.

GEOG 27700 - Regional Geography of East Asia
GER 3/B PD/A
Analysis of East Asia's potentials in terms of natural resources, population, industry and agriculture, with emphasis on China.
3 hrs 3 cr.

GEOG 27800 - Regional Geography of Russia and Central Asia
GER 3/B PD/A or D
Analysis of the relationship of the natural environment to economic, social and political life of Russia, the former Soviet republics of Central Asia and Mongolia.
3 hrs 3 cr.

GEOG 32800 - Urban Environmental Problems: Evaluations and Solutions
GER 3/B
Open to Jr/Sr only. The special environmental problems of urban and metropolitan areas will be studied, including water supplies, waste management, environmental impact and waterfront use. Natural physical processes, methodologies and techniques will be reviewed and applied to decision making. Transportation fee for field work may be required.
prereq: GEOG 101 or GEOG 150 or URBS 101 and Jr/Sr standing
3 hrs 3 cr.

GEOG 34100 - Urban Geography
GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.
prereq: GEOG 101 or GEOG 150 or perm instr. Jr/Sr only
3 hrs 3 cr.

GEOG 34200 - Geography of International Migration and Ethnicity
GER 3/B PD/B
Quantitative and qualitative examination of historic and contemporary international migration patterns. Spatial demographic impacts of immigration policy in the United States with a focus on major urban centers. Comparative analysis of ethnic and racial minorities in the United States.
*prereq:* GEOG 24100 or perm instr.
3 hrs 3 cr.

**GEOG 34700 - Cultural Geography**

GER 3/B
This course provides an overview of the field of cultural geography. It will cover the basics as well as recent developments in social and cultural geographic theory. The main focus is to understand relationships between cultures and environments through geographical analyses of processes, landscapes, and identities.
*Open to Jr/Sr only.*
*prereq:* GEOG 10100 or GEOG 15000 or perm instr,
3 hrs 3 cr.

**GEOG 35700 - Geography of New York City and Vicinity**

GER 3/B
Informed immersion in NYC is the main objective of this course. Students will learn by exploration and observation more than by media. The city is the laboratory to complement readings, lectures and discussion. Students will emerge from this class with an enhanced appreciation of the entire city. Study assignments include keeping a journal of walking assignments as well as readings. Field work will focus on the five boroughs of New York City. (Students with difficulties in walking or using public transportation or who have phobias regarding unfamiliar neighborhoods should consider this before registering.)
*Open to Jr/Sr only.*
*prereq:* GEOG 10100
3 hrs 3 cr.
*Offered fall.*

**GEOG 38000 - Seminar in Geographic Concepts and Methodology**

GER 3/B
An investigation of the evolution, conceptual framework, and methodological approaches of modern geography. Course goals are: increase student competence and marketability as a teacher; review content of geography with teaching in mind; share strategies, ideas activities (as befits a seminar course); familiarization with national and state standards; develop and acquire appropriate classroom-ready materials; acquire a classroom-ready photo collection; explore links to other subjects; and develop appropriate bibliographies of children’s literature and websites.
*prereq:* perm instr.
3 hrs 3 cr.

**Option in Social Studies within the Geography Major for Childhood Education Teachers**

In cooperation with the School of Education, the Department of Geography provides opportunities for students to prepare for a career in teaching in grades 1-6. Students may choose to complete the Geography - BA, in addition to successful completion of the QUEST program. Interested students may also choose to complete the course of study
outlined below. The option in Social Studies for Childhood Education is available only to students who are accepted into the QUEST program.

Students not accepted to the QUEST program, or students not eligible to apply to the QUEST program, should complete the traditional Geography major outlined above. They must complete a Master of Arts degree in Childhood Education before being certified as a New York State teacher.

Program Prerequisites (9 credits)

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War. *Courses at the 300-level and above not offered to freshmen.*

*prereq or coreq: ENGL 12000
3 hrs 3 cr.*

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present. *Courses at the 300-level and above not offered to freshmen.*

*prereq or coreq: ENGL 12000
3 hrs 3 cr.*

**GEOG 15000 - World Regional Geography**

GER 2/B PD/A or D
A survey of the world’s major regions. Geographic concepts and principles are used to study the physical, economic, social and political conditions and problems in the culturally diverse world. Spatial expression of culture; specialized behavior patterns; adaptations and way of life in distinct environments. Regional interdependence; implications for development.

*prereq: ENGL 12000
3 hrs 3 cr.*

*Offered fall and spring*

Requirements for the Major (30 credits)

Required Courses (18 credits)

**HIST 11100 - World History to 1500**

GER 2/B PD/A
The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional connections; the spread of civilization across the globe. *Courses at the 300-level and above not offered to freshmen.*

*3 hrs 3 cr.*

**HIST 11200 - World History from 1500 to the Present**
GER 2/B
The transition from relatively isolated individual cultures to an interrelated global network; the impact of the
democratic and scientific revolutions; the development of nationalism and internationalism among the nations of the
world.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**GEOG 24100 - Population Geography**

GER 3/B PD/B or C
Course will explore several critical issues such as the relationship between population growth and development;
immigration and internal migration; how age, race and gender affect other demographic processes; and how and why
these processes vary around the world. Additionally, students will examine the “mechanics” of computing population
growth and change as well as different ways to visually display measures of population. Offered fall and spring.
*prereq: GEOG 10100 or GEOG 15000 or perm instr.*
3 hrs 3 cr.

**GEOG 25100 - Geography of the United States and Canada**

GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals
are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the
ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key
environmental issues that characterize the study area and its constituent parts; major trends that are affecting the
geography of the two countries; and the locations of principal features. The course begins with general overview
material, and then examines the various sub-regions of the study area in much greater detail, focusing on key
characteristics and environmental challenges
*prereq: GEOG 10100 or GEOG 15000 or perm instr.*
3 hrs 3 cr.

**GEOG 26000 - Geography of New York State**

GER 2/B
The goals of the course are to learn about the geography of New York State – its physical environment, the distribution
of its people and their activities, and the interrelationships between the people and the environment in NYS. and to
apply geographic principles and reasoning to a real world situation where NYS is used as an example of regional
analysis; and to explore, navigate through, and use the geographic information available on the Internet, especially the
information provided by the State of New York. For those in the education sequence an addition goal is to gather and
use information about NYS within the guidelines of the *National Geography Standards* for presentation at a grade-
specific level.
*prereq: GEOG 10100 or GEOG 15000 or perm instr.*
3 hrs 3 cr.

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its
enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency
and courts. Not open to students who have taken POLSC 11100.
*prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.*
2. Elective Courses in Geography (6 credits)

Choose any two of the following:

**GEOG 34100 - Urban Geography**

GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.

*prereq: GEOG 101 or GEOG 150 or perm instr, Jr/Sr only
3 hrs3 cr.*

**GEOG 34200 - Geography of International Migration and Ethnicity**

GER 3/B PD/B
Quantitative and qualitative examination of historic and contemporary international migration patterns. Spatial demographic impacts of immigration policy in the United States with a focus on major urban centers. Comparative analysis of ethnic and racial minorities in the United States.

*prereq: GEOG 24100 or perm instr.
3 hrs3 cr.*

**GEOG 34700 - Cultural Geography**

GER 3/B
This course provides an overview of the field of cultural geography. It will cover the basics as well as recent developments in social and cultural geographic theory. The main focus is to understand relationships between cultures and environments through geographical analyses of processes, landscapes, and identities.

*Open to Jr/Sr only.
prereq: GEOG 10100 or GEOG 15000 or perm instr,
3 hrs3 cr.*

**GEOG 35700 - Geography of New York City and Vicinity**

GER 3/B
Informed immersion in NYC is the main objective of this course. Students will learn by exploration and observation more than by media. The city is the laboratory to complement readings, lectures and discussion. Students will emerge from this class with an enhanced appreciation of the entire city. Study assignments include keeping a journal of walking assignments as well as readings. Field work will focus on the five boroughs of New York City. (Students with difficulties in walking or using public transportation or who have phobias regarding unfamiliar neighborhoods should consider this before registering.)

*Open to Jr/Sr only.
prereq: GEOG 10100
3 hrs3 cr.
Offered fall.*

**GEOG 38000 - Seminar in Geographic Concepts and Methodology**

GER 3/B
An investigation of the evolution, conceptual framework, and methodological approaches of modern geography. Course goals are: increase student competence and marketability as a teacher; review content of geography with
teaching in mind; share strategies, ideas activities (as befits a seminar course); familiarization with national and state standards; develop and acquire appropriate classroom-ready materials; acquire a classroom-ready photo collection; explore links to other subjects; and develop appropriate bibliographies of children’s literature and websites.  

*prereq: perm instr.*

3 hrs 3 cr.

3. Elective Courses in History (6 credits)

Any two 3-credit 300-level courses in history with approval of the Geography Undergraduate Adviser.

German

About the Department

The German department offers courses in the language, literature, and cultures of the German-speaking countries to help students reach high levels of linguistic and cultural proficiency and excel in the field of German studies.

The language and literature curriculum is designed to guide students in a professional, research-based manner from their current levels in the language through well defined stages of proficiency in speaking, reading, writing, and comprehension so that they will reach college-level literacy in German.

Students who complete the elementary and intermediate course sequence (language requirement) can expect to reach a real ability to function in standard situations in a German-speaking environment and to have a solid base for the further study of German.

Students who complete advanced language, literature, and culture courses will gain an understanding and appreciation of German literature and civilization, past and present, will comprehend spoken and written German to a level that they can understand major works of German prose, drama, and poetry and will be well on their way towards the linguistic and cultural capacity for intellectual discourse in written and spoken German.

In teaching and scholarship, faculty serve as mediators between the American and German-language cultures. They have a broad firsthand knowledge of German cultural texts, traditions, issues and trends so that they can support students with diverse interests relating to the German language and cultures and thus help Hunter students in all their endeavors pertaining to things German.

The German Department also offers courses in German literature in English translation for students who have no knowledge of the German language. These courses cannot be applied to the foreign language requirement, nor to the regular German major.

Foreign Language Requirement

1. Students who begin German as a new language will fulfill the foreign language requirement by taking 12 credits in the elementary/intermediate language sequence: GERMN 10100-GERMN 10200 (or GERMN 10300), GERMN 20100-GERMN 20200 (or GERMN 20300).

2. Students who enter with one or more years of high school German must take all the credits they need so that they can pass GERMN 20200 (or GERMN 20300).
3. Students who enter with four years of high school German may be exempted from the foreign language requirement (see the General Education Requirement section of this catalog).

Placement

Students who have some knowledge of German should consult with one of the departmental advisers or the chair for placement in a class that is appropriate for them.

Programs and Courses

Programs and Courses in German

Administration and Faculty

Department Office:

1405 West  
(212) 772-4980  
fax: (212) 772-5746  
Web site: http://www.hunter.cuny.edu/german

Chair:

Elke Nicolai  
1406 West  
(212) 772-4985  
enicolai@hunter.cuny.edu

Faculty

German Faculty

HEGIS Code: 1103

German - BA

Major

The major consists of 24 credits chosen from the following courses:

Advanced courses in language, level I:

GERMN 30100 - Advanced German Comprehension and Conversation
GER 3/A
Intensive practice in reading and listening to German texts and in conversational German; some essay writing.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 30200 - Advanced German Conversation and Composition

GER 3/A
Intensive practice in speaking and writing German.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 31000 - Advanced Studies in German Language

GER 3/A
Intensive language study in a German speaking country. May be repeated once at a different level.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 31200 - Introduction to Business German

GER 3/A
Introduction to the specialized language of German business and economics and intensive practice in German terminology and style on such topics as banking and finance, the corporate structure and the European Union.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 30100 or perm instr.
3 hrs3 cr.

Advanced courses in literature, level I:

GERMN 32000 - Studies in German Literature and Language

GER 3/A PD/D
Discussion of literary topics or linguistic phenomena. May be repeated with a different topic.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 32100 - Individual and Society in Modern German Literature

GER 3/A PD/D
The central conflict between individual liberty and societal constraints as reflected in short stories, novellas and plays by 20th century authors such as Kafka, Brecht, Böll and Frisch.
GERMN 32200 - German Civilization

GER 3/A PD/D
Introduction to key topics in German history, politics, arts, literature and sciences.

GERMN 32300 - Women in German Literature

GER 3/A PD/C
Reading and discussion of literature from the 19th century to the present written in German by and about women.

GERMN 32700 - Modern Swiss Literature

GER 3/A PD/D
Reading and discussion of literature written in German by Swiss authors since the 19th century.

GERMN 32800 - German Children's and Adolescent Literature

GER 3/A PD/D
Reading and discussion of literature for young readers and adolescents.

GERMN 33400 - The German Short Story and Novelle

GER 3/A PD/D
Discussion of short narrative works from age of Goethe to present.

GERMN 33500 - German Radio Plays: Hoerspiel
Listening to and discussion of literary radio plays from the 1950s to today.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

GERMN 33600 - German Lyric Poetry

Discussion of important lyrics from Baroque period to present.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

GERMN 33900 - German Drama from Naturalism to Present

Discussion of dramas by such writers as Hauptmann, Wedekind, Brecht, Drrenmatt, Frisch and Handke.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

Advanced courses in literature, level II:

GERMN 34100 - German Drama from Age of Goethe to Naturalism

Discussion of dramas by such writers as Goethe, Schiller, Kleist, Bchner, Grillparzer and Hebbel.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34200 - The German Novel

Discussion of narrative works by such writers as Goethe, Keller, Fontane, T. Mann, Kafka, Döblin and Böll.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34300 - German Literature from Its Origins to the Age of Goethe

PD/D
GERMN 34400 - Readings in Classical Period of German Literature

GER 3/A PD/D
Discussion of selected works by Lessing, Goethe and Schiller.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34500 - Literature of Weimar Republic

GER 3/A PD/D
Discussion of literary works and documents influential in German life between 1918 and 1933.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34600 - German Literature of the 1930s and 1940s

GER 3/A PD/D
Reading and discussion of literature written between the time of the Weimar Republic and 1945.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34700 - German Literature 1945-1995

GER 3/A PD/D
Reading and discussion of German literature written between 1945 and 1995.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34800 - East German Literature (1945-1990)

GER 3/A PD/D
Reading and discussion in German of literature written in East Germany during the existence of the German Democratic Republic as a sovereign state.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 35000 - Austrian Literature

GER 3/A PD/D
Discussion of literature and culture of the fin-de-siècle Vienna.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance
with student needs. Please consult the chair of the department or a departmental adviser for specific details.

3 hrs 3 cr.

GERMN 35300 - Goethe's Faust

GER 3/A PD/D
Intensive study of Goethe's Faust, Parts I and II.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: one course numbered from GERMN 32000 to 35900 or equiv.

3 hrs 3 cr.

GERMN 35900 - German Literary Seminar

GER 3/A PD/D
Seminar study of significant theme in German literature, German author or literary movement or genre. May be repeated with a different topic.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: one course numbered from GERMN 32000 to 35900 or equiv.

3 hrs 3 cr.

Advanced courses in language, level II:

GERMN 38100 - The German Press of Today: Reading and Understanding Newspapers and Magazines

GER 3/A
Reading and discussion of present-day German newspapers and magazines.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: two courses numbered GERMN 30000 or above or equiv. (excluding courses in English translation)

3 hrs 3 cr.

GERMN 38200 - Advanced Business German

GER 3/A
Cross-cultural study and practicing of German business culture and language while studying Germany as global economic player. Topics such as corporate structure, management strategies, international marketing and labor relations.

prereq or coreq: GERMN 31200 or perm. instr.

3 hrs 3 cr.

GERMN 38300 - German Grammar for Upper-Level Discourse

GER 3/A
Study of German grammar from basic to complex structures. Intensive practice in control of grammatical forms at high levels of spoken and written discourse.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: one course numbered from GERMN 32000 to 35900 or equiv.

3 hrs 3 cr.
Special projects:

**GERMN 44400 - Seminar Studies in German Literature and Language**

GER 3/A PD/D
Seminar study of literary topic or linguistic phenomenon. May be repeated with a different topic.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 2000 or 20300 or equiv.
3 hrs cr.

**GERMN 49100 - Honors Project**

Open to Jr/Sr only. Individual study and independent research in consultation with faculty member. Honors essay required.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: perm chair
3 cr.

**GERMN 49200 - Independent Study in German**

Number of credits to be determined in advance in consultation with faculty member on basis of work planned.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: perm chair
1-3 cr.

**GERMN 49300 - Individual Studies Project in German Studies**

Individual research on German-studies topic under direction of faculty member. Written report required.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: perm chair
3 cr.

**GERMN 49800 - Internship**

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: perm of chair
1-4 cr.

**Additional Information**

At least 12 credits must be earned by taking classes numbered between 32000 and 35900 or 44400.
At least three of these 12 credits must be from classes numbered between 34100 and 35900 or 44400.

Students should consult a department adviser to plan their course of studies in German. Students who begin German in college may count the following as major courses.

**GERMN 20100 - Intermediate German I**

Practice in comprehending and communicating in German at the intermediate level. Review of basic structures and study of advanced grammar topics.

*prereq: GRMN 10200 or equiv.*

3 hrs3 cr.

**GERMN 20200 - Intermediate German II**

Grammar review and composition. Reading and discussion of selected literary texts.

*prereq: GRMN 20100 or equiv.*

3 hrs3 cr.

-or-

**GERMN 20300 - Intensive Intermediate German**

Covers material of GRMN 201 and 202 in one semester.

*prereq: GRMN 10200, 10300 or equiv.*

6 hrs6 cr.

**Preparation for Teaching in Grades 7-12**

In cooperation with the School of Education, the program in German provides opportunities for students to prepare for a career in teaching German in grades 7-12. Students preparing to teach German must complete a 33-credit major option (Option 2) for teaching that includes the 24-credit sequence (Option 1) taken by non-teaching majors plus 9 additional credits: GERMN 39900 and 6 additional credits in advanced GERMN language and literature courses in the German Department between GERMN 30100 and GERMN 44400 or GERMN 24000, GERMN 24100 or 300-level courses related to German studies offered in other departments (with prior approval by the chairperson of the German Department). Students interested in teaching German in New York schools will take the 23-credit pedagogical sequence for grades 7-12 Languages Other than English: Chinese, French, German, Hebrew, Italian, Russian, Spanish (BA) Additional Coursework and Student Teaching along with the major in German. This sequence may count toward the course requirements for New York State Certification but will not by itself be sufficient for certification. Students interested in a teaching career should consult with the School of Education. All students who want to pursue a teaching certificate in German must take an oral examination with the German Department. See the School of Education section of this catalog for further information.

**Minor in German**

The German minor consists of 12 credits in language and/or literature taught in German at the 300-level or above (GERMN 30100 - GERMN 35900, GERMN 38100 - GERMN 44400). Students who begin their study of German in college may count GERMN 20100 GERMN 20200 (or GERMN 20300) towards the minor and will need to take at least two courses at the 300-level.

*Prerequisites: 6 credits: GERMN 10100 and GERMN 10200, or equivalent*
Electives

All courses offered are open to all qualified students as electives. For placement, consult a departmental adviser or the department chair.

Honors, Tutorials

Consult the department chair for these special programs. In order to graduate with departmental honors the student has to write an honors essay in the following. Please check under “Academic Honors” for exact details. Students who qualify can be elected to the German Honor Society Sigma Epsilon Phi. Please consult the department for exact requirements.

GERMN 49100 - Honors Project

Open to Jr/Sr only. Individual study and independent research in consultation with faculty member. Honors essay required. (Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: perm chair
3 cr.

Study Abroad

The German Department sponsors a summer study abroad program in Kassel, Germany, for students at all levels.

Exchange Program with Pädagogische Hochschule Karlsruhe, Germany

The German Department has a semester-long or year-long exchange program with the Pädagogische Hochschule Karlsruhe. The department will help students seek financial support. Please consult the department for details.

International Examinations

The German Department is a testing site for the “Goethe Zertifikate” B1, B2 and C1. These examinations are given worldwide by the Goethe Institute www.goethe.de/lrn/prj/pba/bes/enindex.htm, the cultural arm of the German government.

Health Careers Preparation

About the Program

The post-Baccalaureate Certificate Program in health careers preparation is designed to provide students interested in careers in medicine, veterinary medicine, dentistry, podiatry, and optometry with the opportunity to complete the undergraduate-level pre-health professional curriculum at Hunter College and obtain a Certificate in Health Careers Preparation. Prospective students typically fall into one of two categories:
Students with fewer than 15 credits in undergraduate science who have demonstrated interest in a health profession are considered for the Preparatory Track.

Students with existing science background who are in need of further science preparation or improvement of science performance (due to low grades or credits more than 10 years old) are considered for the Enrichment Track.

Once accepted, all students in the certificate program must complete a minimum of 38 credits in science courses at Hunter College. Through regular advising provided by Hunter College's Pre-Health Office, a specific sequence of required courses will be tailored to each student's academic background and professional program needs.

Program and Courses

Post-Baccalaureate Certificate

Administration

Pre-Health Advising Office:
Telephone: (212) 772-5244; fax: (646) 224-9585
Web site: http://www.hunter.cuny.edu/prehealth/welcome-page

Pre-Health Professions Staff

Karen E.S. Phillips, PhD
Director of Pre-Health Programs
803 East, kphil@hunter.cuny.edu

Kelly Gentry
Pre-Health Programs Coordinator
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Health Careers Preparation Post-Baccalaureate Certificate

Return to: Health Careers Preparation

The Post-Baccalaureate Certificate in Health Careers Preparation Program is designed for students who wish to enter a professional program in the health sciences but whose undergraduate education does not meet the requirements for these programs.

Admission Criteria

We encourage prospective students who meet the admission criteria to apply to our certificate program. All applicants must:

- Hold a baccalaureate degree from an accredited institution with a minimum overall GPA of 3.00 (students with undergraduate degrees in progress are not eligible to apply).
- Apply for admission to City University of New York (CUNY), Hunter College.
- Submit a completed Post-Baccalaureate Certificate Program supplemental application.
• Demonstrate their commitment to a career in the health professions through paid or volunteer experience.

Application Procedures

Admission to the program is limited to the Fall semester. Application to the program is a two-step process. Applicants must refer to the CUNY Application Portal (https://portal.cuny.edu/id/cuny/documents/informationpage/006373.htm) to apply for admission using an undergraduate application to CUNY, Hunter College. All students in the Post-Baccalaureate Certificate Program must matriculate as Undergraduate Second Degree candidates. The 4-digit code for Hunter's Post-Baccalaureate Certificate Program is 0339, and this must be selected in order for the student to be considered for the program. All students must submit their official transcripts directly to CUNY through the CUNY Application Portal. High school transcripts are NOT required. For the second step of the process, prospective students must also submit a supplemental application directly to the Pre-Health Office at Hunter College. The supplemental application is completed electronically and is available on the Pre-Health website in mid-Fall.

Deadlines

Both CUNY and supplemental applications must be received (by CUNY and the Hunter College Pre-Health Office) by January 1 of each year to be considered for admission to the Program in the Fall. Applications received after January 1 will not be considered.

Program Requirements

To complete the Program, all Post-Baccalaureate Certificate students starting in fall 2010 and after must:

• Complete one year of college-level English. This requirement can be fulfilled by undergraduate transfer credit and/or by taking courses at Hunter College.
• Complete one year of college-level mathematics beyond pre-calculus. This requirement can also be fulfilled by undergraduate transfer credit and/or by taking courses at Hunter. There are two ways to fulfill this requirement at Hunter:
  1. MATH 15000 (calculus) and MATH 15500 (calculus II)
  2. MATH 15000 (calculus) and STAT 21300 (STAT 113 does not fulfill this requirement)
• Complete 38 credits in science(biology, chemistry or physics) at Hunter College.
• Maintain a 3.3 GPA for every semester in the program with no individual course grade below B-.
• Provide 56 hours of service to the Hunter College Community during their time in the program. Tutoring in science courses, mentoring undergraduate students, and assisting with activities sponsored by the Pre-Health Office are examples of activities that fulfill the service commitment requirements.
• Obtain a committee letter from the Pre-Health Advisory Committee at Hunter College.

Courses and Requirements

The exact titles and sequence of courses for Post-Baccalaureate students depend on their individual academic needs and availability of courses at Hunter College each semester. Students typically take 9–12 credits of mathematics/science per semester but individual students’ course loads can vary depending on their schedules of extracurricular activities and other factors.

In addition to the mathematics and English requirements stated above, typical course work for pre-health students includes the following:
• One year of general biology with lab: BIOL 10000 and BIOL 10200 (4.5 credits each, including lab) offered in fall and spring semesters, respectively.
• One year of general chemistry with lab: CHEM 10200 and CHEM 10400 (lecture, 3 credits each) and CHEM 10600 (lab, 3 credits). CHEM 10400, which serves as a pre-requisite to CHEM 10600 may be taken concurrently to satisfy requirements.
• One year of general physics with lab: PHYS 11100 and PHYS 12000 (4.5 credits each, including lab).

Additional Courses

Students may use classes from the following list of upper division biology and chemistry courses to fulfill the requirements for the program:

Courses

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300
coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

BIOL 30600 - Developmental Biology

GER 3/B
Major topics include molecular and cellular mechanisms of early embryonic development in amphibians, mammals and model organisms such as Drosophila, as well as the related subjects of vertebrate organ system development, biology of stem cells and animal cloning. Emphasis is placed on seminal and current research in cell-cell communication, signal transduction and differential gene regulation in developmental processes.
prereq: BIOL 30000
3 hrs (lec)3 cr.
fall only

BIOL 35000 - Cancer Biology
GER 3/B
Control of cell division examined in the context of cancer, which is the loss of this control. Topics include: cell culture, the cell cycle, hormones, receptors, intracellular signal transduction, oncogenes, tumor suppressor genes and the etiology of human cancer.

prereq: BIOL 20200, 30000, or perm instr.
3 hrs (lec)3 cr.
spring alternate years

**BIOL 36000 - Cellular and Molecular Immunology**

GER 3/B
Study of the immune system from a molecular perspective. Molecular genetics of antibody and T cell receptor diversity, hematopoiesis and lymphocyte development, humoral and cellular immunity, histocompatibility.

prereq or coreq: BIOL 30000, perm instr.
4 hrs (3 lec, 1 disc)3.5 cr.
fall only

**BIOL 37000 - Physiology of the Nervous System**

GER 3/B
A comprehensive introduction to neuroscience. Topics include how nerve cells (neurons) transmit electrical impulses, how neurons communicate with each other through synapses and how nerve pathways and networks determine many functions of the brain. The last portion of the course shall explore how developing neurons seek out targets and establish synapses.

prereq: BIOL 30000 or perm instr.
4 hrs (lec)4 cr.
spring only

**BIOL 37500 - Molecular Systematics**

GER 3/B
An overview of the various methods and kinds of data used in systematics, the study of organism diversity and biological relationships. Emphasis is on modern molecular and genetic approaches to identification of individual species and strains and full phylogenetic analyses of suites of species to determine their evolutionary history. The knowledge base is provided for experimental investigation of questions of current interest in phylogeny and population biology.

prereq: BIOL 30000 or perm instr.
3 hrs3 cr.

**BIOL 37600 - Endocrinology**

GER 3/B
Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of metabolism and reproduction; integration of endocrine responses by the central nervous system.

prereq: BIOL 20200 or perm instr.
3 hrs (lec)3 cr.
spring only

**BIOL 38000 - Molecular Neurobiology**
GER 3/B
Molecular components and molecular mechanisms involved in the cell biology of neurons and glia, neuronal signaling, neuronal development, learning, memory and diseases of the nervous system.
prereq: BIOL 30000 or perm instr.
3 lec hrs3 cr.
fall alternate years

CHEM 37600 - Biochemistry I

GER 3/B
Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

prereq: CHEM 22400
4 hrs (3 lec, 1 rec)3 cr.
offered fall

CHEM 37700 - Biochemistry II

GER 3/B
Biosynthesis of lipids, amino acids, carbohydrates. Muscle contraction, hormones, immune response, DNA sequencing.

prereq: CHEM 37600 or BIOL 30000 or perm instr.
3 hrs3 cr.
offered spring

CHEM 37800 - Biochemistry Laboratory

GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of biochemistry such as protein analysis, enzyme purification, enzymatic assays, recombinant DNA and the polymerase chain reaction.

prereq: CHEM 22300 and CHEM 37600 or CHEM 64000
5 hrs (4 lab, 1 rec)3 cr.

List of Minimum Pre-Health Course Requirements (with prerequisites)

One year of English (6 credits)

MATH 12500 - Precalculus

GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.
prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
4 hrs4 cr.
(Placement testing and transfer credit will determine if you need this course or if you need to take another math course prior to pre-calculus)

MATH 15000 - Calculus with Analytic Geometry I
GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior, ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.
CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
8 hrs2.5 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22500 - Organic Chemistry Laboratory II

GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
prereq or coreq: CHEM 22400
8 hrs2.5 cr
PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

Note

Please refer to the Pre-Health Office website and publications for information regarding the specific coursework and extracurricular activities required by the individual health professional schools.

Time to Completion

Students must complete all of the required courses within 36 months in order to receive the certificate. A typical post-baccalaureate student completes the minimum coursework required to take standardized tests such as the MCAT or DAT within two years. However, many students go on to take additional upper division courses recommended by many health professional schools during the third (application) year. Decisions about professional school admissions are usually made one year after applications are submitted so most students apply to these schools after completing their second year in the Post-Baccalaureate Certificate Program, with the intention of matriculating a year later.

History

About the Department

History is the record of human experience. Its study is a first step in learning about ourselves and our society — about economics and politics, psychology and sociology, mathematics and science, the arts and the humanities. For students whose undergraduate major is history, career opportunities are numerous and varied. Medical, law and other professional schools favor applicants with history majors because of their broad background and research skills. Moreover, while teaching has long been a popular goal for history majors, positions in government (local, state and national), in publishing and advertising, in communications and in business also await those students whose human perspective and intellectual discipline have been developed in history classes. Beyond the purely practical consideration of a profession, the study of history is exciting in its own right.

Programs and Courses

Programs and Courses in History
**Administration and Faculty**

Department Office:
1512 West
(212) 772-5480
Web site: http://hunter.cuny.edu/histo

Chair:
Richard Belsky
1512A West
(212) 772-5493
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Faculty
History Faculty

HEGIS Code: 2205

**History - BA**

Students must take HIST 15100 and HIST 15200

**Major**

The history major consists of 30 credits as follows:

a. A maximum of 9 credits may be taken in basic 100-level courses.

b. At least 18 credits are required above the 100 level; 6 credits must be in 200-level courses and 12 credits must be in 300-level courses.

c. Majors must take History 300 (Historical Research) twice in conjunction with 300-level courses or, in rare instances and with department permission, in conjunction with a 200-level course.

Within the courses taken to fulfill the major requirement, students must take a minimum of 6 credits in each of the following areas:

1. United States history

2. European history

3. World/non-Western history/Latin American history

Students may not use courses graded on the basis of Credit/No Credit toward fulfillment of the major.

History majors are strongly encouraged to take at least 3 credits in an advanced seminar or problems course

**HIST 38200 - Historical Studies Seminar**
GER 3/B
Topics vary each term. Courses at the 300-level and above not offered to freshmen.
prereq: GPA 2.8; history GPA 3.5
3 hrs3 cr.

HIST 38300 - Problems in U.S. History (W)

GER 3/B
Intensive reading and research in selected topics. Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 1200
3 hrs3 cr.

HIST 38400 - Problems in European History (W)

GER 3/B
Intensive reading and research in selected topics. Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 1200
3 hrs3 cr.

HIST 38500W - Problems in Non-Western History

GER 3/B
Intensive reading and research in selected topics. Courses at the 300-level and above not offered to freshmen. 3 hrs cr.

HIST 40000 - Historiography

GER 3/B
The origins of history writing and the modern historical profession; modes of historical research; the evaluation of historical evidence; the historical and social uses of history. Recommended for all history majors. Required of students who wish to graduate with honors in history. Courses at the 300-level and above not offered to freshmen. prereq: not open to students who have completed fewer than 80 credits 3 hrs3 cr.

HIST 48300 - Problems in U.S. History (Honors) (W)

GER 3/B
Courses at the 300-level and above not offered to freshmen. prereq: perm chair prereq or coreq: ENGL 1200
3 hrs3 cr.

HIST 48400 - Problems in European History (Honors) (W)

GER 3/B
Courses at the 300-level and above not offered to freshmen.
Minor

A history minor consists of 12 credits taken for letter grades (C or better); Credit/No Credit cannot be counted toward the minor. Courses must be distributed in at least two geographic fields (currently defined as U.S., Europe, and World/non-Western/Latin America). A minimum of six credits must be in courses at the 300-level or higher. Internships (HIST 49800) do not count toward completion of the minor, although students completing the minor may elect to include an internship as an additional course. HIST 30000 and Tutorials (HIST 49300) are available only to History Majors and, thus, do not count toward the minor. At least six credits must be taken in the History Department at Hunter College. Courses taken in other disciplines will not count toward the minor unless cross-listed and taken under the appropriate HIST course prefix. Transfer courses must be approved by the History Undergraduate Advisor.

Preparation for Teaching

Childhood Education (grades 1-6)

In cooperation with the School of Education, the Department of History provides opportunities for history majors to prepare for a career in childhood education. Students complete the 30-credit History major with the childhood education sequence as a collateral major.

Adolescent Education

Students who wish to prepare for a career in teaching social studies in grades 7-12 may take a 33-credit history major with an additional 9 credits of prerequisites History for Adolescent Education (Social Studies). In addition, students take the 23-credit adolescent education sequence.

Honors in History

Students will be eligible for honors in history upon completion of 30 credits in history with a 3.5 GPA and a 2.8 cumulative GPA at the time of graduation. To be eligible to graduate with honors in history, students can take Historiography or 3 to 6 credits in seminar, tutorial, or problems courses or graduate courses with special permission, with a grade of B or better. Eligible students should apply for honors at the time they file for graduation. Applications are available from the department.

HIST 40000 - Historiography
The origins of history writing and the modern historical profession; modes of historical research; the evaluation of historical evidence; the historical and social uses of history. Recommended for all history majors. Required of students who wish to graduate with honors in history.

Courses at the 300-level and above not offered to freshmen.

prereq: not open to students who have completed fewer than 80 credits

3 hrs3 cr.

**HIST 48300 - Problems in U.S. History (Honors) (W)**

GER 3/B

Courses at the 300-level and above not offered to freshmen.

prereq: perm chair or coreq: ENGL 12000

3 hrs3 cr.

**HIST 48400 - Problems in European History (Honors) (W)**

GER 3/B

Courses at the 300-level and above not offered to freshmen.

prereq: perm chair

3 hrs3 cr.

**HIST 48500 - Problems in Non-Western History (Honors) (W)**

GER 3/B

Courses at the 300-level and above not offered to freshmen.

prereq: perm chair

3 hrs3 cr.

**HIST 49300 - Individual Tutorial Research Project**

GER 3/B

Research paper under individual supervision of faculty member.

Courses at the 300-level and above not offered to freshmen.

prereq: perm chair and instr.

3 hrs3 cr.

Graduate Study

Qualified students in their junior and senior years may be admitted to graduate courses with the approval of the department chair.

**History for Adolescent Education (Social Studies)**

Prerequisites (9 credits)

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**
GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War. 
*Courses at the 300-level and above not offered to freshmen.*
prereq or coreq: ENGL 12000
3 hrs3 cr.

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present. 
*Courses at the 300-level and above not offered to freshmen.*
prereq or coreq: ENGL 12000
3 hrs3 cr.

**GEOG 10100 - People and Their Environment**

GER 2/B
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. Contemporaneous economic, political and social patterns and problems are discussed.

3 hrs3 cr.
*offered fall and spring.*

**Major (33 credits)**

**Geography (6 credits)**

**GEOG 25100 - Geography of the United States and Canada**

GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges
prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs3 cr.

One course selected from the following

**GEOG 27000 - Regional Geography of Mexico, Central America and the Caribbean**
GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Mexico, Central America and West Indies.
3 hrs 3 cr.

GEOG 27100 - Regional Geography of South America

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of South America.
3 hrs 3 cr.

GEOG 27200 - Regional Geography of Europe

GER 3/B PD/D
Analysis of relationship of natural environment to economic, social and political life of modern Europe.
3 hrs 3 credits

GEOG 27400 - Regional Geography of the Middle East and North Africa

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Middle East and North Africa.
3 hrs 3 cr.

GEOG 27500 - Regional Geography of Sub-Saharan Africa

GER 3/B PD/A
Analysis of the relationship of natural environment to economic, social and political life of Africa south of Sahara.
3 hrs 3 cr.

GEOG 27700 - Regional Geography of East Asia

GER 3/B PD/A
Analysis of East Asia's potentials in terms of natural resources, population, industry and agriculture, with emphasis on China.
3 hrs 3 cr.

GEOG 27800 - Regional Geography of Russia and Central Asia

GER 3/B PD/A or D
Analysis of the relationship of the natural environment to economic, social and political life of Russia, the former Soviet republics of Central Asia and Mongolia.
3 hrs 3 cr.

GEOG 32800 - Urban Environmental Problems: Evaluations and Solutions

GER 3/B
Open to Jr/Sr only. The special environmental problems of urban and metropolitan areas will be studied, including water supplies, waste management, environmental impact and waterfront use. Natural physical processes, methodologies and techniques will be reviewed and applied to decision making. Transportation fee for field work may be required.
prereq: GEOG 101 or GEOG 150 or URBS 101 and Jr/Sr standing
3 hrs 3 cr.

GEOG 34100 - Urban Geography

GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.
prereq: GEOG 101 or GEOG 150 or perm instr, Jr/Sr only
3 hrs 3 cr.

Political Science & Economics (6 credits)

ECO 10000 - Introduction to Economics

GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics.
Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.
3 hrs 3 cr.

POLSC 11000 - American Government: A Historical Introduction (W)

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.
prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

History (21 credits)

A maximum of 6 credits in history courses at the 100-level and a minimum of 9 credits in history courses at the 300-level or above. Courses taken to satisfy the prerequisite requirement do not count.

World/Non-US History (12 credits)

including a least three credits in each of the following categories (courses may be used to count toward only one category; described category must comprise 50% or more of course content for course to qualify):

1) Pre-1800
2) non-Europe
3) Europe

US History (6 credits)

all above the 100-level

Keystone Course in History (3 credits)
**SWIM or SYNC**: History Practicum or any dedicated seminar or Honors course at the 400 level approved by the Undergraduate Advisor and/or the Department Chair, as involving significant writing in the major (“SWIM”) or graduate-level history course (700-level) available with permission to graduating seniors (Senior Year Non-Traditional Course; “SYNC”)

**History: Major with Minor in International Affairs - BA**

Adviser: Michael Luther

**Major**

The major consists of 18 credits in history:

**HIST 32900 - History of European Diplomacy**

GER 3/B PD/D
From the Congress of Vienna and national unification movements through the era of total wars and cold war. *Courses at the 300-level and above not offered to freshmen.* 3 hrs3 cr.

**HIST 36100 - Rise of America as a World Power**

GER 3/B PD/D
Impact of world leadership on basic principles of American foreign policy since 1898. *Courses at the 300-level and above not offered to freshmen.* 3 hrs3 cr.

plus 9 credits selected from

**HIST 27700 - East Asia to 1600**

GER 2/B PD/A
Survey of traditional cultures and sociopolitical structures of China, Japan, Korea and Vietnam to about 1600 AD. *Courses at the 300-level and above not offered to freshmen.* 3 hrs3 cr.

**HIST 27800 - East Asia, 1600 to the Present**

GER 2/B PD/A
Coming of West to Asia and resulting processes of revolution and modernization after 1600 AD. *Courses at the 300-level and above not offered to freshmen.* 3 hrs3 cr.

**HIST 28800 - History of Africa to the 19th Century**

GER 2/B PD/A
Survey of pre-colonial African societies with emphasis on economic and social institutions changing under the impact of the environment.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

**HIST 28900 - Africa in the 19th and 20th Centuries**

GER 2/B PD/A
Historical explanation of independent Africa rising after colonialism and adjusting to modernization.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

**HIST 32700 - Europe since 1914**

GER 3/B
Europe in a century of total wars and cold war: the military, political, social, economic and intellectual scene.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

**HIST 34600 - British Empire and Commonwealth**

GER 3/B
The rise and fall of the British imperial system and its transformation into a Commonwealth of nations.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

**HIST 37500 - Late Imperial Russia and the Soviet Union**

GER 3/B PD/D
Political, socioeconomic and cultural development of late 19th and 20th century Russian and Soviet society.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

**HIST 37700 - Ancient and Imperial China to 1800**

GER 3/B
China's traditions and transformation from Neolithic times to the late-imperial period, emphasizing state/society relations and the development of the centralized bureaucratic political system; covers political, economic, religious and social developments.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

**HIST 37800 - China Since 1800**

GER 3/B
Internal and external challenges to China's traditional order; the collapse of the imperial system and the establishment of a republic; the warlord period; the war against Japan; the civil war between Communist and Nationalist forces; China since the rise of the Communist Party to state power in 1949.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

**HIST 39000 - History of Modern West Africa**
GER 3/B
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.
  • Seminars, problems courses and tutorial if appropriate

Minor

The minor consists of 18 credits including

ECO 34000 - International Trade

GER 3/B
Theories of international trade and international trade policies.
prereq: ECO 20000
3 hrs 3 cr.

POLSC 37500 - International Law (W)

GER 3/B
Case studies on nature, sources, practices and efficacy of international law, principles and rules.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 27800 - International Organizations (W)

GER 3/B
Powers, functions and effectiveness of international institutions; emphasis on United Nations and regional organizations.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

GEOG 22100 - Economic Geography

GER 2/B
An introduction to the sub-discipline of economic geography, which will include an exploration of the history of both economics and geography, and a rigorous global approach to the subjects. Students will come to understand the history of the development of economic thought, leading up to, and transformed, by today’s crisis, as well as the particularly geographical nature of economic phenomena and processes, and the immense contributions geographers have made to the understanding of economics. Course focus is on the dominant form of global economic activity today, which is capitalistic, and the way this economic structure plays out through different geographies at different historical moments in time.
Not open to freshmen
prereq: GEOG 10100 or perm instr.
3 hrs 3 cr.
Offered fall and spring

GEOG 33400 - Political Geography
GER 3/B

Political geography concerns the nature and consequences of human efforts to divide and control Earth. Major topics to be covered by this course include the origin and evolution of countries and their constituent political units; the defining and drawing of political boundaries; territorial conflicts and disputes; the impact of boundaries on personal and cultural identity; centripetal and centrifugal forces that encourage the success or failure of political units; jurisprudence, crime and punishment; electoral geography; war, piracy and terrorism; ownership of ocean floors and outer space; the environmental impacts of political power (zoning, incorporation, height restrictions, land tenure); and symbols of power in the landscape. Lectures and assignments will stress the relevancy of political geography to issues that affect our everyday life.

prereq: GEOG 10100 or GEOG 15000 or perm instr
3 hrs 3 cr.

- plus 6 additional credits chosen from cultural anthropology, economics, energy and environmental studies, geography, political science, sociology, religion or other appropriate areas chosen with the approval of the adviser

Human Rights

About the Program

The Human Rights Program examines the theory and practice of human rights, combining academic training with hands-on experience. By exploring the philosophical foundations and legal framework of human rights, as well as addressing current political, social and economic realities, the program seeks to give students the tools necessary to engage intelligently with contemporary human rights problems. Among the thorny issues students may examine are indigenous peoples' rights to natural resources, the limits of freedom of expression, the problem of corporate complicity in rights violations, the legitimacy of humanitarian intervention, and the problem of enforceability (both of economic, social, and cultural rights, and of civil and political rights).

An interdisciplinary program, the Human Rights Program offers courses in political science, anthropology, sociology and history, among other fields of study. Students may follow either of two academic tracks: a 15-credit minor in human rights, or 24-credit certificate. A key element of both tracks is the human rights internship, which gives students direct experience with the researchers, advocates, lawyers and analysts who make up the human rights movement.

Both the minor and certificate in human rights are good preparation for a career in government, at a nongovernmental organization, or in a regional or international agency. Many students may choose to go on to law school, journalism school or a graduate program. Whatever their career choice, their knowledge of human rights will make them more thoughtful and informed citizens.

Courses

Human Rights Courses

Administration and Faculty

Director of the Human Rights Program and Program Adviser:

Joanne Mariner
Roosevelt House-RH 404
212-396-6564
jmariner@hunter.cuny.edu
Program Chair:

John R. Wallach (Professor, Political Science)
212 772-5671
1721 West
jwallach@hunter.cuny.edu

Faculty

Human Rights Faculty

Human Rights

Return to Human Rights Program

Minor in Human Rights

The 15-credit Minor in Human Rights consists of two core human rights courses—a 3-credit introductory course and a 3-credit internship—plus three 3-credit cognate courses on specific human rights topics. Students should work with the Human Rights Program adviser to put together an intellectually meaningful set of cognate courses.

To be accepted into the Minor program, a student must have at least a 3.0 GPA.

Certificate in Human Rights

The 24-credit Certificate in Human Rights consists of 4 core human rights courses—a 3-credit introductory course, a 3-credit internship, a 3-credit internship seminar and a 3-credit capstone seminar—plus 4 cognate courses. Students should work with the Human Rights Program adviser to put together an intellectually meaningful set of cognate courses.

To be accepted into the Certificate program, a student must have at least a 3.0 GPA.

Courses in Human Rights

Courses in Human Rights

Jewish Studies

About the Program

The Jewish Studies Program is an interdisciplinary major that coordinates courses dealing with historical and contemporary Jewry and Judaism offered by a wide range of Hunter departments and programs. The Program also sponsors academic lectures and conferences for Hunter students, faculty and staff and for the general community.
The Jewish studies program offers a 24-credit major leading to a BA degree in Jewish studies with courses taken in various departments and programs. Students must fulfill a language requirement either by passing a language test in Hebrew or by successfully completing 2 years of Hebrew. There is opportunity to receive academic credit for fieldwork with a Jewish community agency, as well as for accredited summer study programs in Israel and guided independent study.

Programs and Courses

Program and Courses in Jewish Studies

Administration and Faculty

Program Office:

1546 West
(212)772-5542

Program Director:

Robert M. Seltzer
1510 West
(212)772-5490
rseltzer@hunter.cuny.edu

Faculty

Jewish Studies Faculty

HEGIS Code: 0309

Jewish Studies - BA

Jewish Studies Major

The Jewish Studies program offers a 24-credit major. The 24 required credits are distributed as follows:

Required of All Majors

The 6 core credits required of all majors are:

HIST 20800 - History of the Jews

GER 2/B, PD/A
An introductory survey emphasizing how Jewish communities adapted to a wide range of environments during more than 3000 years of world history.

prereq or coreq: ENGL 12000
3 hours3 credits
HEBR 22200 - Introduction to Jewish Texts and Writings

A broad survey of influential Jewish texts and literary masterpieces from ancient to modern times.

*prereq or coreq: ENGL 120
3 hours 3 credits

15 Credits in Jewish Studies

In addition to the core courses, students must select 15 credits in Jewish studies in conjunction with the program adviser, at least 6 of which must be at the 300-level or above. Students are encouraged to select from, but are not limited to, the following:

HEBR 21100 - Masterpieces of Medieval Hebraic Literature in Translation (W)

GER 2/C PD/D
Selections from major works reflecting Jewish life and thought in medieval Islamic world and Christendom.

3 hrs 3 cr.

HEBR 21200 - Readings in Modern Hebrew Literature in Translation (W)

GER 2/C
Survey of Hebraic literature from Enlightenment movement to present.

3 hrs 3 cr

HEBR 21800 - Masterpieces of Yiddish Literature in Translation (W)

GER 3/A PD/D
Study of major works in Yiddish literature from Mendele Mocher Seforim to present.

*prereq: ENGL 22000
3 hrs 3 cr

HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)

GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.

3 hrs 3 cr

HEBR 49100 - Honors Project

Individual study and research in Hebrew literature in consultation with staff member. Honors essay required. May be repeated as topics vary from semester to semester.

*prereq: Jr/Sr only; perm division
1 sem 3 cr.

HIST 21000 - History of Judaism

GER 2/B
Survey of the Jewish religious tradition with attention to interactions between Judaism and other religions and to the role of Judaism in the formation of Christianity and Islam.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 24200 - The Holocaust: An Introduction**

PD/D
The attempt to exterminate the Jewish people by the Nazis.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 30900 - Jewish History in the Ancient World**

GER 3/B PD/A
The Jewish people from its origins in late antiquity; social and intellectual developments from biblical to Talmudic times.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 31000 - Jewish History in the Medieval and Early Modern Periods**

GER 3/B PD/D
The Jewish people from late antiquity to 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 32000 - Jewish History in the Modern World (W)**

GER 3/B PD/D
From the 18th century to the present: Enlightenment, Jewish emancipation and nationalism, a Jewish state; anti-Semitism and the Holocaust; recent trends.
Courses at the 300-level and above not offered to freshmen.
Prereq or coreq: ENGL 12000
3 hrs 3 cr.

**HIST 32100 - History of the Holocaust**

GER 3/B
Examination of the mass murder of 6 million Jews by the Nazi regime during World War II.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 35700 - American-Jewish History (W)**

GER 3/B PD/D
Development of the American Jewish community; economic, political and social integration; cultural adaptation.
Courses at the 300-level and above not offered to freshmen.
Prereq or coreq: ENGL 12000
3 hrs 3 cr.
JSS 31000 - Jewish Studies Fieldwork

Supervised experience in a Jewish community agency, periodic consultation with program director and preparation of report or term paper based on the experience. May be taken twice for a total of 6 cr.

prereq: qualified Jr/Sr.
hrs TBA 3-6 cr.

JSS 40000 - Individual Honors Project

Not open to students who have completed fewer than 60 credits. Guided readings on a topic in Jewish studies under faculty supervision. May be repeated on different topics for a total of 6 credits. A substantial research paper is required.

Selected topics and problems in Jewish studies. qualified Jr/Sr, perm instr. or program director
prereq: 12 cr. in Jewish Social Studies, perm program director
3-6 hrs 3-6 cr.

JSS 41050 - Jewish Studies Seminar I

Selected topics and problems in Jewish studies.

prereq: qualified Jr/Sr, perm instr. or program director
3 hrs 3 cr. each

JSS 41051 - Jewish Studies Seminar II

Selected topics and problems in Jewish studies.

prereq: qualified Jr/Sr, perm instr. or program director
3 hrs 3 cr. each

POLSC 26400 - Government and Politics of Israel (W)

GER 3/B
Historic evolution of the Jewish state and its political system, social issues and foreign policy.

prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

REL 25200 - Ancient Near Eastern Religions (W)

GER 2/C PD/A
Study of Egyptian religion, religions of Sumer and Babylonia, religion of the early Hebrews (including the Old Testament).

prereq: ENGL 12000
3 hrs 3 cr.

REL 25300 - Western Religions (W)

GER 2/C PD/D
Survey of major Western religions – Christianity, Judaism, Zoroastrianism and Islam.

prereq: ENGL 12000
3 hrs 3 cr.
Other courses that may be selected to meet this 15-credit requirement are ENGL 38663 (ENGL 38600), The Bible in British and American Literature, ENGL 39058 (ENGL 39000), Literature and Catastrophe (focus on Holocaust Studies), ENGL 39968 (ENGL 39900), Jewish American Literature, HIST 740, Modern Jewish Social and Intellectual History (see graduate catalog) and HIST 748, American Jewish History (see graduate catalog).

Note

Up to 6 credits of independent study and fieldwork may be taken unless special permission is obtained from the program adviser.

Capstone Course (3 Credits)

One of the following courses should be taken as a capstone course:

**JSS 40000 - Individual Honors Project**

Not open to students who have completed fewer than 60 credits. Guided readings on a topic in Jewish studies under faculty supervision. May be repeated on different topics for a total of 6 credits. A substantial research paper is required.

*Selected topics and problems in Jewish studies. qualified Jr/Sr, perm instr. or program director*

*prereq: 12 cr. in Jewish Social Studies, perm program director*

*3-6 hrs 3-6 cr.*

**JSS 41050 - Jewish Studies Seminar I**

Selected topics and problems in Jewish studies.

*prereq: qualified Jr/Sr, perm instr. or program director*

*3 hrs 3 cr. each*

**JSS 41051 - Jewish Studies Seminar II**

Selected topics and problems in Jewish studies.

*prereq: qualified Jr/Sr, perm instr. or program director*

*3 hrs 3 cr. each*

**Minor in Jewish Studies**

The minor in Jewish Studies consists of 12 credits and must include HIST 20800, History of the Jews, and HEBR 22200, Introduction to Jewish Texts and Writings. The remaining 6 credits in Jewish Studies are to be selected in consultation with an adviser. Students can apply to the minor up to 6 credits in Independent Studies (JSS 30000 or JSS 40000) or fieldwork (JSS 31000). Six credits in Jewish studies can be transferred from other institutions of higher learning.

**Honors in Jewish Studies**

Students will be eligible for honors in Jewish Studies upon completion of 24 credits in Jewish Studies with a 3.5 GPA and a 2.8 cumulative GPA at the time of graduation. To be eligible to graduate with honors in Jewish Studies, students can take the following JSS 40000 (Individual Honors Project) or JSS 41050/JSS 41051 (Jewish Studies Seminar, I or II), HEBR 49100 (Honors Project) or graduate courses with special permission, with a grade of B or better. Eligible students should apply for honors at the time they file for graduation.
Latin American and Caribbean Studies

About the Program

Latin American and Caribbean Studies is an interdisciplinary program that offers students the opportunity to learn about the history, culture, politics, society, and political economy of the region and its relations with the United States. The LACS program has been able to develop an innovative outreach program with Afro-Latino and Caribbean non-governmental organizations (NGOs) in New York City and throughout the Latin American and Caribbean region. In collaboration with the Hunter College Study Abroad Office, the program offers a January semester abroad program with Universidade Salvador-UNIFACS in Bahia, Brazil. The course is taught in English and is titled “Reconstructing a Racial Identity.”

Programs and Courses

Programs and Courses in Latin American & Caribbean Studies

Administration and Faculty

Program Office:

1716 West
(212) 772-5680
Web site: http://www.hunter.cuny.edu/lacsp

Acting Director:

Roblin Meeks
816 East
(212)-650-3045
roblin.meeks@hunter.cuny.edu

Faculty

Latin American and Caribbean Studies Faculty

HEGIS Code: 0308

Latin American and Caribbean Studies - BA

The specialization in Latin American and Caribbean Studies as a major leading to a BA degree consists of 24 credits. The core courses for the major are drawn from the social sciences, humanities, and arts. Students select courses for the major in consultation with the program’s director or with a member of the Latin American and Caribbean Studies Faculty Advisory Committee.
The interdisciplinary specialization of the major will serve graduates well, whether they choose to seek employment in public or private organizations, pursue professional degrees, or go on to a graduate degree in the social sciences or humanities.

**Language Requirement**

Latin American and Caribbean Studies majors are required to demonstrate a reading knowledge of Spanish, Portuguese, or French, fulfilled at least one semester before graduation from the college.

**Course Requirements for the Major**

LACS students are required to take either LACS 33000 (a field course for students to study or intern in the region or intern in an institution in the New York area) or LACS 43400 (a course that comprises preparation of a major original research paper to be developed in close association with a mentor from the Latin American and Caribbean Studies Faculty Advisory Committee). ENGL 12000 is a prerequisite for program courses.

**LACS 33000 - Latin America and the Caribbean Field Course/Internship**

A field course for students to study in the region or who are interning in an institution either in the New York area or in the region. Major research paper based on field or internship experience.

3 cr.

**LACS 43400 - Seminar in Latin American and Caribbean Studies**

Open to sophomores, juniors, and seniors who have completed at least 18 credits in LACS or have instructor permission. Interdisciplinary reading, research, and discussion of selected topics involving cultural, economic, political, and social problems. Research paper required. May be repeated for a maximum of 6 edits.

3 cr.

**Departmental Honors**

LACS majors with a GPA above 3.5 are eligible to receive the Lily Mage Award.

**CR/NC Policy**

No CR/NC grades will be accepted in courses to meet LACS major requirements.

**Teaching**

In addition to its distinguished regular Hunter faculty, LACS offers students courses by excellent adjunct faculty such as Dr. Marta Moreno Vega, Director of the Caribbean Cultural Center, producer of the documentary film When the Spirits Dance Mambo, as well as invited specialists on Latin American and Caribbean theatre, Haitian and Dominican literature and the political economy of the Caribbean and Latin America.

**Mentoring**
Faculty mentoring is very important to the LACS Program. Majors should maintain regular contact with their mentors/advisers.

Study Abroad

Study abroad is encouraged for LACS majors. Apart from the new Bahia, Brazil course, LACS students have studied in Hunter’s programs in Arequipa and Cuzco, Peru and Mar del Plata, Argentina.

Course Offerings for LACS

Course Offerings in LACS from Other Departments

Africana and Puerto Rican/Latino Courses

Courses from Africana and Puerto Rican Studies Department

**AFPRL 10200 - Latino Communities in the United States**

GER 2/B PD/B
Migration, ethnicity, community life and public policy issues of Latino groups compared to the Puerto Rican experience.
3 hrs3 cr.

**AFPRL 10300 - Conquest and Resistance: Puerto Rican Experiences in Comparative Perspective**

GER 2/B PD/B
Introductory study of the Puerto Rican experience compared with experiences of Native and African Americans, Chicanos and Pacific Island peoples in the territorial expansion of the United States.
3 hrs3 cr.

**AFPRL 21000 - Introduction to Caribbean History: 1900 - Present**

GER 2/B PD/A
Introduction to the major themes in Caribbean history after 1900.
prereq: ENGL 12000
3 hrs3 cr.

**AFPRL 23700 - African Caribbean Literature (W)**

GER 2/A PD/A or B
Introduction to the historical development and major artistic preoccupations of Caribbean literature. The course is conducted in English; all course requirements are in English.
prereq: ENGL 12000
3 hrs3 cr.

**AFPRL 24100 - Puerto Rican History to 1897**
GER 2/B PD/A
An examination of Taino society, Spanish colonialism, slave economy and the development of nationhood in the 19th century.
3 hrs3 cr.

**AFPRL 24200 - Puerto Rican History Since 1898**

GER 2/B PD/A
Sociohistorical, political and economic analysis of Puerto Rico dating from the U.S. invasion to the present.
3 hrs3 cr.

**AFPRL 24300 - Puerto Rican Culture**

GER 2/C PD/A or B
General study of Puerto Rican culture and ethnic mixtures that went into making of that culture.
3 hrs3 cr.

**AFPRL 24400 - Puerto Ricans in the United States**

GER 2/B PD/B
Survey of the origins, contemporary and future development of Puerto Ricans in the United States.
3 hrs3 cr.

**AFPRL 25500 - Puerto Rican/Latino Children in North American Schools**

PD/B
Survey of educational system viewed as an acculturating institution.
3 hrs3 cr.

**AFPRL 29000 - Selected Topics in Africana and Puerto Rican/Latino Studies**

PD/A or B
Topics change according to instructor.
3 hrs3 cr.

**AFPRL 30800 - Contemporary International Relations of the African-Caribbean (W)**

GER 3/B
Examination of the use of foreign policy for economic development in the Caribbean and as an instrument of transformation.
prereq: AFPRL 20700 or 21000 or perm instr.
3 hrs3 cr.

**AFPRL 31900 - Women in the African Diaspora (W)**

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance and in sustaining African culture and values.
cross-listed WGS 32900 (W)
prereq: AFPRL 20400 or 20900 or 21000 or perm instr.
3 hrs 3 cr.

**AFPRL 32000 - African-Caribbean Culture (W)**

GER 3/A PD/A or B
prereq: AFPRL 20900 or 21000 or 22200
3 hrs 3 cr.

**AFPRL 33700 - Caribbean Women Writers (W)**

GER 3/A
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, creolization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.
cross-listed WGS 33700 (W)
prereq: AFPRL 23600 or 23700 or ENGL 22000 or WGS 10000
3 hrs 3 cr.

**AFPRL 35600 - Latino Literature in English (W)**

GER 3/A PD/B
Latino writing in English in the U.S.; analysis of cultural, linguistic and ideological factors as found in the work of such authors as Sandra Cisneros (Chicana), Pedro Pietri (Puerto Rican) and Oscar Hijuelos (Cuban-American).
3 hrs 3 cr.

**AFPRL 38700 - Puerto Rican/Latino Politics in the United States (W)**

GER 3/B PD/B
An analysis of the political participation and leadership of Puerto Ricans and other Latinos in the United States.
prereq: either AFPRL 10200, 24200 or 24400 or perm. Instr.
3 hrs 3 cr.

**AFPRL 39000 - Research Topics in Africana and Puerto Rican/Latino Studies (W)**

GER 3/A or B
Topics change according to instructor.
Open to Jr/Sr only.
3 hrs 3 cr.

**AFPRL 42800 - Selected Topics in Africana and Puerto Rican/Latino Studies: Social Science**

GER 3/B PD/B
Topics change according to instructor.
Pluralism and diversity requirements are dependent on the topic course.
prereq: perm dept.
3 hrs 3 cr.
AFPRRL 44500 - Caribbean Short Story in Spanish: Readings and Theories

GER 3/A
A critical study of the short story genre in the Hispanic Caribbean viewed in conjunction with contemporary literary theory.
prereq or coreq: SPAN 20800
3 hrs3 cr.

Anthropology

ANTHC 40100 - Seminars in Selected Topics

Topics TBA.

Economics

ECO 33000 - Economic Development

GER 3/B PD/A
Critical variables explaining the diversity of growth and economic and development outcomes across developing countries. Theories, case studies, measurement and policies.
prereq: ECO 20100
3 hrs3 cr.

Geography

GEOG 27000 - Regional Geography of Mexico, Central America and the Caribbean

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Mexico, Central America and West Indies.
3 hrs3 cr.

GEOG 27100 - Regional Geography of South America

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of South America.
3 hrs3 cr.

History

HIST 27100 - Early History of Latin America

History and cultures of Amerindian groups in Central and South America and the Caribbean; encounter and multiple interactions of European and African cultures with indigenous societies; development of Iberian colonial systems and cultures within the Americas.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.
HIST 34122 - Latin American Political Economy

GER 3/B
Courses at the 300-level and above not open to freshmen
3 hrs 3 cr.

HIST 34139 - African Influences in the Americas

GER 3/B
Courses at the 300-level and above not open to freshmen
3 hrs 3 cr.

Music

MUSHL 24000 - Music of the Caribbean and Latin America (W)

GER 3/A PD/A
Origin and development of Caribbean and Latin American musical styles and their impact on the United States and other parts of the world.
Prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 101, or perm instr.
3 hrs 3 cr.

MUSHL 22100 - Black Music in the Americas (W)

GER 3/A PD/B
The origins, history, and evolutionary progression of Black music in the Americas; shared musical practices and resources in the multicultural matrix of the United States in particular and the hemisphere in general.
Prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs 3 cr.

Political Science

POLSC 25200 - Government and Politics in the Caribbean (W)

GER 3/B PD/A
Colonial heritage and American presence. Political institutions, cultural diversity and economic dependency.
Prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 25300 - Government and Politics in Latin America (W)

GER 3/B PD/A
Ideology, revolution, authoritarianism, democracy, institutions, class structure, distribution of wealth and power, political and economic development.
cross-listed: LACS 43405
Prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 26200 - Government and Politics in Central America (W)
GER 3/B PD/A
Political institutions, ideology, class and ethnic structure, economic development, distribution of wealth and power, foreign influences and revolutionary and evolutionary roads to modernization.

cross-listed LACS 43429
prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 27100 - International Politics in the Americas (W)

GER 3/B PD/A
Dynamics of US relations with Latin American countries from the colonial era through the Cold War to the present, and of relations of Latin American countries with each other and with extra-hemispheric nations.
cross-listed LACS 43432
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 28100 - Drugs, Politics and Public Policy (W)

GER 3/B
Examination of public policies addressing drug use and abuse in the United States and other countries with emphasis on political and cultural determinants, economic and market factors, constitutional implications and United States foreign policy.
prereq: ENGL 12000
3 hrs3 cr.

Romance Languages - Spanish

SPAN 26400 - Contemporary Spanish Literature in Translation
Cela, Lorca, Unamuno, Ortega y Gasset.
Taught in English. This course is designed for students who want to become acquainted with Spanish culture. Cannot be credited toward the major and are not recommended for the minor.
prereq: ENGL 12000
3 hrs3 cr.

SPAN 27600 - Readings in Modern Spanish- American Literature
Representative writers: Borges, Neruda, Cortazar, Garcia Mirquez.
prereq: SPAN 20200, 20300, 20800 21100 or four yrs high school Spanish or dept. perm.
3 hrs3 cr.

SPAN 33600 - Latin American Civilization

GER 3/A
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in Spanish.
prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.
SPAN 34100 - Introduction to Hispanic Literature I

GER 3/A PD/D
Prerequisite or corequisite to most courses in major sequence. Basic interpretive and research skills for Spanish majors and other qualified students through study of key works of Spanish and Spanish-American authors.
*prereq or coreq: SPAN 31100 or dept. perm
3 hrs 3 cr.

SPAN 34200 - Introduction to Hispanic Literature II

GER 3/A PD/D
*prereq: SPAN 34100*coreq: SPAN 31200
3 hrs 3 cr.

SPAN 36400 - Spanish-American Modernism and Post-modernism

GER 3/A
Modernist and post-modernist authors.
*prereq: SPAN 34100
3 hrs 3 cr.

SPAN 49100 - Honors Course in Spanish: Special Studies in Contemporary Latin American Literature

Open to Jr/Sr only. Group meetings, conferences, oral and written reports.
*prereq: major GPA of 3.2, cum GPA of 2.8; perm adviser
3 hrs 3 cr.

Sociology

SOC 30700 - Migration

GER 3/B PD/B
Economic, demographic, political and cultural factors influencing migration and the consequences of migration.
*prereq: SOC 10100
3 hrs 3 cr.

SOC 31800 - Sociology of Human Rights in Latin America

GER 3/B
Types of societies in which human rights are respected or violated with special emphasis on Latin American regimes in the last two decades. Human rights and diversity the rights of women and minorities. Movements to protect human rights. The emphasis is on actual social conditions which foster or impede the observance and protection of human rights.
*prereq: SOC 10100
3 hrs 3 cr.

SOC 32502 - Sociology of Human Rights: Violation and Protection
GER 3/B  
*prereq: SOC 10100, perm instr.*  
3 hrs3 cr.

**SOC 32506 - Latin American Societies**

GER 3/B  
*prereq: SOC 10100, perm instr.*  
3 hrs3 cr.

**SOC 32519 - Economic Development and Social Inequality in Latin America**

GER 3/B  
*prereq: SOC 10100, perm instr.*  
3 hrs3 cr.

**SOC 36100 - Development and Modernization (W)**

GER 3/B PD/A  
Examinations of models of social change with a special focus on developing countries.  
*prereq: SOC 10100*  
3 hrs3 cr.

**Women and Gender Studies**

**WGS 33700 - Caribbean Women Writers (W)**

GER 3/A  
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, eolization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.  
*cross-listed AFPRL 33700*  
*prereq: AFPRL 23600 or 23700 or ENGL 22000 or WGS 10000*  
3 hrs3 cr.

**WGS 20005 - Dominican and Haitian Literature and Culture**

3 hrs3 cr.

**Mathematics and Statistics**

**About the Department**

The Department of Mathematics and Statistics offers majors in mathematics and statistics that prepare students for careers in business, government, research, and teaching. Students considering such majors should consult an adviser during their first or second semester to plan the proper sequence of courses and should continue to consult the adviser at least once each semester. Minors in mathematics and statistics are also offered.
Credit and Course Exemption The department offers credit or course exemption based on standard examinations such as AP. Inquiries should be made at the department office.

Mathematics Proficiency and Placement

All students entering Hunter College must demonstrate proficiency in the basic skills through their scores on the first two parts of the COMPASS mathematics exam. Exemptions from these two parts are given for SATs, ACT, NY Regents, and for certain other entrance categories. The remaining parts of the COMPASS exam further assess a student’s preparedness for certain courses in mathematics, statistics, and other disciplines at the college. Students may enroll in these courses only if their scores on this entire placement exam are at appropriate levels or they have taken college courses in the required mathematics. Students who need to place into courses by examination and have not taken the remaining parts of the COMPASS mathematics exam are advised to schedule the test with the Testing Center, Room 150 Hunter North, 772-4868, http://admissions.hunter.cuny.edu/Testing.htm well in advance of registration. Subsequent placement into all mathematics and statistics courses is determined by the student’s score on the remaining parts of this exam. New students entering the college take this test in its entirety when they take the other placement exams in reading and writing. Students should notice the mathematics and statistics prerequisites that are indicated in the descriptions of courses and majors so they can effectively plan their studies.

Programs and Courses

In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the departmental office and on the departmental web site http://math.hunter.cuny.edu.

Prerequisites: Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better.

Programs and Courses in Mathematics & Statistics

Administration and Faculty

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Faculty
Mathematics and Statistics Faculty

HEGIS Codes: 1701 (BA; BA/MA in Mathematics, Adolescent Education/Mathematics); 1701/1703 (BA/MA in Mathematics/Statistics and Applied Mathematics); 1702 (BA in Statistics); 1702/1703 (BA/MA in Statistics/Statistics and Applied Mathematics)

Mathematics - BA

Major

The mathematics major introduces students to the fundamental areas of mathematics and provides some degree of specialization in one or more areas. It trains students in the analytic thinking characteristic of pure and applied mathematics and provides familiarity with rigorous methods of mathematical proof. In addition to the traditional major in mathematics, described below, the department also offers a number of specialized undergraduate tracks for students interested in pursuing careers in bioinformatics or in preparing for teaching: the concentration in Quantitative Biology, the concentration in Preparation for Adolescent Education (grades 7-12), and the concentration in Preparation for Childhood Education (grades 1-6).

To enter the traditional mathematics major, the student should have completed one year of calculus (MATH 15000 and MATH 15500, or the equivalent). The major consists of at least 33 credits of coursework: 24 credits of core curriculum courses taken by all mathematics majors except those enrolled in the Concentration in Preparation for Childhood Education (grades 1-6) and at least 9 credits of advanced elective courses, chosen by students according to their career plans.

Students interested in pursuing mathematics at the advanced graduate level are urged to participate in the BA/MA program in Mathematics. The BA/MA program in Preparation for Adolescent Education leads to professional certification in adolescent education (grades 7-12) in mathematics. Certification may also be received by completing the BA degree with a mathematics major and then completing the graduate Teacher Education Program (TEP) in Mathematics or the graduate Urban Teacher Residency in Mathematics.

- Mathematics Concentration in Preparation for Adolescent Education (Grades 7-12)
- Mathematics Major with a Concentration in Quantitative Biology
- Mathematics Concentration in Preparation for Childhood Education (Grades 1-6)

Major Core Curriculum (24 cr)

MATH 15600 - Introduction to Mathematical Proof Workshop

Techniques of proof will be introduced, among them the direct and indirect methods of proof, epsilon-delta arguments and induction. These will be applied to theorems in number theory, set theory and in differential and integral calculus. **In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.**

**prereq:** MATH 15000. Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better. **prereq or coreq:** MATH 15500

2 hrs1 cr.

MATH 25000 - Calculus with Analytic Geometry III
GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

*prereq: MATH 15500*

4 hrs 4 cr.

**MATH 25400 - Ordinary Differential Equations**

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.

*prereq: MATH 25000*

3 hrs 3 cr.

**MATH 25500 - Vector Analysis**

GER 3/B
Line and surface integrals, Green's Theorem, divergence theorem, Stokes' Theorem, generalized coordinates.

*prereq: MATH 25000*

3 hrs 3 cr.

**MATH 26000 - Linear Algebra**

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.

*prereq: MATH 15600|prereq or coreq: MATH 25000*

4 hrs 4 cr.

**MATH 31100 - Abstract Algebra I**

GER 3/B
Introduction to the theory of groups and rings.

*prereq: MATH 26000*

3 hrs 3 cr.

**MATH 35100 - Mathematical Analysis I**

GER 3/B
Rigorous treatment of foundations of calculus, including topology of real line and higher dimensional spaces. Basic results on continuous functions.

*prereq: MATH 25000, 26000*

3 hrs 3 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

*prereq: MATH 12500 or appropriate score on placement exam.*

3 hrs 3 cr.
STAT 31100 - Probability Theory

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.
prereq: MATH 25000.
3 hrs 3 cr.

Elective Courses

The student must complete three 3-credit approved elective courses. The elective courses must be chosen from the 300- or 400-level courses in mathematics or statistics listed by the department. Factors affecting the choice of courses will include the student’s career goals (preparation for graduate study; education; careers in business, government service or industry), the student’s other major, where applicable, and the availability of courses due to the course rotation schedule. A 300-level course may be replaced by a graduate level course approved by a departmental adviser.

Symbolic Computation Proficiency Requirement

As a requirement for graduation with a BA in Mathematics, students must demonstrate entry level proficiency in symbolic computation. The requirement can be met in any of the following ways:

a) passing any of

MATH 12600 - Precalculus Technology Laboratory

Students are introduced to MATHEMATICA as a tool for exploring qualitative features of functions and solving pre-calculus problems: simplifying algebraic expressions, solving equations, plotting functions and curves, finding and approximating zeros and solving systems of equations. MATH 12600 cannot be taken for credit after a student has passed MATH 15000. Students who have passed MATH 15000 should register for MATH 15400 to satisfy the symbolic proficiency requirement.
prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
prereq or coreq: MATH 12500
2 hrs 1 cr.

MATH 15100 - Calculus I with Symbolic Computation

Combines MATH 15000 (Calculus I) with MATH 15400. Some previous experience with computers is desirable but not required
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam
6 hrs 5 cr.

MATH 15400 - An Introduction to Symbolic Computation

Laboratory introduction to machine-aided computation with an emphasis on examples related to calculus. Students use a symbolic computation package to investigate and solve problems numerically, analytically and graphically. The same package is used to create reports of their results. Some previous experience with computers is desirable but not required.
prereq: MATH 15000
2 hrs 1 hr.
MATH 38500 - Numerical Methods I

GER 3/B
Accuracy and precision, convergence, iterative and direct methods. Topics selected from: solution of polynomial equations and linear systems of equations, curve fitting and function approximation, interpolation, differentiation and integration, differential equations.

prereq: MATH 25000 and MATH 26000 or permission of the instructor
3 hrs3 cr.

b) passing a departmental exam in a computer algebra system (currently we use MATHEMATICA or the equivalent)

Honors

A student majoring in mathematics or statistics may become a candidate for departmental honors by successfully completing MATH 490, by presenting a major GPA of at least 3.6 and by achieving a satisfactory rating on a comprehensive examination.

MATH 49000 - Honors Seminar

GER 3/B

prereq: MATH 31100, 35100, perm dept.
3 hrs3 cr.

Minor in Mathematics

A minor in mathematics consists of a minimum of 12 credits selected from the following courses offered by the department: MATH courses numbered 15000 or above (with the exception of MATH 26100), STAT 31100, STAT 31200. Mathematics minors are required to take all necessary prerequisites. Students should consult the catalog to determine prerequisites necessary for them to enroll in courses that count toward the minor. It is recommended that prospective mathematics minors consult with an undergraduate mathematics adviser concerning course selection.

STAT 31100 - Probability Theory

GER 3/B

Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.

prereq: MATH 25000.

3 hrs3 cr.

STAT 31200 - Stochastic Processes

GER 3/B

Discrete and continuous stochastic processes including Markov chains, birth processes, queues and Brownian motion.

prereq: STAT 31100

3 hrs3 cr.

Mathematics Concentration in Preparation for Adolescent Education (Grades 7-12)
Provisional certification for teaching mathematics in grades 7-12 may be obtained by:

- Completing the BA with a traditional mathematics major, and
- Completing the adolescent education sequence as prescribed by the School of Education.

Students following this concentration in the mathematics major should consult a departmental adviser as to which advanced elective courses are recommended to complete 33 or more credits in the major.

### Mathematics Concentration in Preparation for Childhood Education (Grades 1-6)

This concentration constitutes a mathematics major for QUEST students. QUEST students majoring in mathematics are not exempt from the MATH 10400/MATH 10500 requirement. To enter this major, the student should have completed one semester of calculus (MATH 15000 or the equivalent). The specified collateral major is childhood education. This mathematics major consists of at least 32 credits of coursework: 20 credits of major core curriculum courses and at least 12 additional credits, as described below.

#### Major Core Curriculum (20 credits)

**MATH 15400 - An Introduction to Symbolic Computation**

Laboratory introduction to machine-aided computation with an emphasis on examples related to calculus. Students use a symbolic computation package to investigate and solve problems numerically, analytically and graphically. The same package is used to create reports of their results. Some previous experience with computers is desirable but not required.

*prereq: MATH 15000*

2 hrs 1 hr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B

Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

*prereq: grade of C or better in MATH 15000*

4 hrs 4 cr.

**MATH 15600 - Introduction to Mathematical Proof Workshop**

Techniques of proof will be introduced, among them the direct and indirect methods of proof, epsilon-delta arguments and induction. These will be applied to theorems in number theory, set theory and in differential and integral calculus. In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.

*prereq: MATH 15000. Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better. prereq or coreq: MATH 15500*

2 hrs 1 cr.
MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs 3 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
preq: MATH 15500
4 hrs 4 cr.

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
preq: MATH 15600 or coreq: MATH 25000
4 hrs 4 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

Additional Required Courses (at least 12 credits)

STAT 21200 - Discrete Probability

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs 3 cr.

STAT 22000 - Statistical Analysis in Forensics

GER 3/B
A second course in probability and statistics and the evaluation of evidence in the forensic sciences.
preq: STAT 21200 and either STAT 21300 or 11300 by permission of instructor. One of the above, i.e., STAT 21200
or STAT 21300 or STAT 11300 by permission of instructor may be taken as a coreq.
3 hrs3 cr.
- Two additional courses approved by a departmental adviser

Mathematics Major with a Concentration in Quantitative Biology

Return to Programs and Courses in Mathematics & Statistics

This program is for students intending to pursue research careers in biomedical sciences. It provides students with a working knowledge of computing and biological sciences for bioengineering careers in bioinformatics, the pharmaceutical industry, and the biotechnology industry.

Students interested in this concentration in the mathematics major should consult the adviser. Information can be found at: http://www.hunter.cuny.edu/qubi/mathematics-majors

For this concentration, the student must complete the entry requirement for the mathematics major (MATH 15000 and MATH 15500), and the symbolic computation proficiency requirement. This major consists of the following core curriculum and additional required courses:

Major Core Curriculum (27 credits)

**MATH 15600 - Introduction to Mathematical Proof Workshop**

Techniques of proof will be introduced, among them the direct and indirect methods of proof, epsilon-delta arguments and induction. These will be applied to theorems in number theory, set theory and in differential and integral calculus. In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.

Prereq: MATH 15500. Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better.

2 hrs1 cr.

**MATH 25000 - Calculus with Analytic Geometry III**

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

Prereq: MATH 15500

4 hrs4 cr.

**MATH 25400 - Ordinary Differential Equations**

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.

Prereq: MATH 25000

3 hrs3 cr.
MATH 25500 - Vector Analysis

GER 3/B
Line and surface integrals, Green's Theorem, divergence theorem, Stokes' Theorem, generalized coordinates.

prereq: MATH 25000
3 hrs 3 cr.

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.

prereq: MATH 15600 or coreq: MATH 25000
4 hrs 4 cr.

MATH 31100 - Abstract Algebra I

GER 3/B
Introduction to the theory of groups and rings.

prereq: MATH 26000
3 hrs 3 cr.

MATH 35100 - Mathematical Analysis I

GER 3/B
Rigorous treatment of foundations of calculus, including topology of real line and higher dimensional spaces. Basic results on continuous functions.

prereq: MATH 25000, 26000
3 hrs 3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

STAT 31100 - Probability Theory

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.

prereq: MATH 25000.
3 hrs 3 cr.

Additional Required Courses (33 credits)

CSCI 13200 - Practical UNIX and Programming, with Lab
GER 2/E
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition.
*This course cannot be counted towards the CSCI major.*
prereq: none
3 hrs 3 cr.

**CSCI 23200 - Relational Databases and SQL Programming, with Lab**

GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.
*Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.*
prereq: CSCI 13200
3 hrs 3 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and
evolution. $5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology. $10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300 coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

or

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes. $10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 42500 - Computational Molecular Biology

GER 3/B
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of in silico biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and predication of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting. Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.

Mathematics or Statistics and Applied Mathematics - BA/MA

The BA/MA program offers promising students the opportunity to complete both the bachelor's and master's requirements with a minimum of 120 credits. Requirements are the same as those for a major in the department, plus 30
credits at the graduate level. Interested students should contact the graduate adviser for further information regarding eligibility and curriculum requirements.

**Track 1: BA/MA Program in Mathematics**

Students complete the BA with a traditional mathematics major, with 30 additional credits at the graduate level in pure mathematics approved by the departmental graduate adviser.

**Track 2: BA/MA Program in Statistics and Applied Mathematics**

Students complete the BA with a traditional major in statistics or mathematics, with 30 additional credits at the graduate level in applied mathematics, statistics, and computer science, approved by the departmental graduate adviser.

**Mathematics Preparation for Adolescent Education (Grades 7-12) - BA/MA**

Students interested in secondary school teaching may pursue a combined BA/MA program in teaching. This program requires a minimum of 141 credits.

**Admission Requirements for the BA/MA in Teaching**

- Completion of at least 45 credits with a GPA of 2.8.
- Completion of at least 10 credits in mathematics, including a year of calculus (MATH 15000 and MATH 15500, or the equivalent), with an average of 2.7 in these major courses.
- Admission to the School of Education.

**Degree Requirements for the BA/MA in Teaching**

The BA/MA program in the teaching of mathematics includes 47–48 credits in mathematics (in addition to the year of calculus described above) and 23 credits in teacher education courses, some of them taken at the undergraduate level and some at the graduate level. The required courses are:

- The 33 credits required for the BA in Mathematics **OR** the 32 credits required for the BA in Statistics.
- The following 15 graduate credits: MATH 62000, 63000, 63300, 63500, and STAT 61200 **or** STAT 61400.
*Although students are required to take either STAT 61200 or STAT 61400, they are encouraged to take both courses.*

Also required is passing a comprehensive examination in mathematics consisting of three parts covering the material in MATH 620, 630, and 633. Students may sit for the comprehensive examination only after having taken all three courses. Students who fail any part of the examination need only retake that part of the examination. A student can take any part of the comprehensive exam in mathematics twice; after that, a committee formed by the Mathematics/Statistics Chairperson and consisting of members from the Department of Mathematics and Statistics and the Department of Curriculum and Teaching will decide if the student can take the examination a third and final time.

The student should consult the School of Education section of the graduate catalog for the sequence of teacher education courses.

**Statistics - BA**

The study of statistics provides the student with analytical tools that may find application in various fields within the sciences and social sciences. Bioinformatics is a rapidly developing area open to students in statistics with a working
knowledge of computing and biological sciences. Actuarial science is one area open to students in statistics who also
have backgrounds in such subjects as computer science, mathematics and economics. The BA/MA in Statistics and
Applied Mathematics offered by the department provides enrichment for undergraduate statistics majors.

To enter the major the student must have completed MATH 15000 and MATH 15500. Normally, the statistics major
consists of 32 credits as follows: 29 credits of core curriculum courses and any additional 3-credit statistics,
mathematics, or computer science course approved by the statistics adviser. Modifications are permitted with the
consent of the statistics adviser. For example, a student may elect to replace STAT 21200 with a more advanced course.
With permission of the adviser, a student may take graduate courses in statistics and applied mathematics. Students
interested in bioinformatics take the additional courses listed in the concentration in quantitative biology.

Major

Major Core Curriculum (29 cr)

**MATH 25000 - Calculus with Analytic Geometry III**

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
*prereq: MATH 15500*
4 hrs4 cr.

**MATH 25400 - Ordinary Differential Equations**

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and
numerical methods, introduction to qualitative theory.
*prereq: MATH 25000*
3 hrs3 cr.

or

**MATH 35400 - Dynamical Systems and Chaos**

GER 3/B
Linear flows, qualitative theory of low-dimensional nonlinear systems, introduction to chaos in discrete one-
dimensional dynamical systems.
*prereq: MATH 25000, 26000*
3 hrs3 cr.

**MATH 26000 - Linear Algebra**

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
*prereq: MATH 15600* *prereq or coreq: MATH 25000*
4 hrs4 cr.

**STAT 21200 - Discrete Probability**
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

**prereq:** MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs 3 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

**prereq:** MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

**STAT 21400 - Data Analysis Using Statistical Software**

GER 3/B
Familiarity with the Windows computing environment encouraged. Analysis of variance, simple and multiple regression, nonparametric statistics, statistical model building

**prereq:** STAT 21300 or MATH 12500 and STAT 11300 with grade of C or better in each course.
3 hrs 3 cr.

**STAT 31100 - Probability Theory**

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.

**prereq:** MATH 25000.
3 hrs 3 cr.

**STAT 31200 - Stochastic Processes**

GER 3/B
Discrete and continuous stochastic processes including Markov chains, birth processes, queues and Brownian motion.

**prereq:** STAT 31100
3 hrs 3 cr.

**STAT 31300 - Introduction to Mathematical Statistics**

GER 3/B
Estimation, hypothesis testing, confidence limits for normal, binomial, Poisson and exponential random variables.

**prereq:** STAT 31100
3 hrs 3 cr.

Statistics Minor
A minor in statistics consists of at least 12 credits selected from STAT courses offered by the department. Statistics minors are required to take all necessary prerequisites. Students should consult the catalog to determine prerequisites necessary for them to enroll in courses that count toward the minor. It is recommended that prospective statistics minors consult with an undergraduate adviser concerning course selection.

**Actuarial Sequence**

A student interested in actuarial work should take the following courses. Students are also encouraged to take courses in accounting, economics and computer science. For information concerning examinations and prizes given to undergraduates by the Society of Actuaries, consult the departmental adviser.

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.  
*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*  
4 hrs 4 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.  
*prereq: grade of C or better in MATH 15000*  
4 hrs 4 cr.

**MATH 25000 - Calculus with Analytic Geometry III**

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.  
*prereq: MATH 15500*  
4 hrs 4 cr.

**MATH 26000 - Linear Algebra**

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.  
*prereq: MATH 15600 or coreq: MATH 25000*  
4 hrs 4 cr.

**STAT 31100 - Probability Theory**

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.  
*prereq: MATH 25000.*  
3 hrs 3 cr.

**STAT 31300 - Introduction to Mathematical Statistics**
GER 3/B
Estimation, hypothesis testing, confidence limits for normal, binomial, Poisson and exponential random variables. 

prereq: STAT 31100
3 hrs 3 cr.

Concentration

- Statistics Major with a Concentration in Quantitative Biology

Honors

A student majoring in mathematics or statistics may become a candidate for departmental honors by successfully completing MATH 49000, by presenting a major GPA of at least 3.6 and by achieving a satisfactory rating on a comprehensive examination.

Statistics Major with a Concentration in Quantitative Biology

For students intending to pursue research careers in biomedical sciences. It provides students with a working knowledge of computing and biological sciences for bioengineering careers in bioinformatics, the pharmaceutical industry, and the biotechnology industry.

Students interested in this concentration in the statistics major should consult the adviser. Information at http://www.hunter.cuny.edu/qubi/statistics-majors

For this concentration, the student must complete the entry requirement for the statistics major (MATH 15000 and MATH 15500). This major consists of the following core curriculum and additional required courses:

Major Core Curriculum (29 credits)

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration. 

prereq: MATH 15500
4 hrs 4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory. 

prereq: MATH 25000
3 hrs 3 cr.

or

MATH 35400 - Dynamical Systems and Chaos

GER 3/B
Linear flows, qualitative theory of low-dimensional nonlinear systems, introduction to chaos in discrete one-
dimensional dynamical systems.
prereq: MATH 25000, 26000
3 hrs 3 cr.

**MATH 26000** - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
prereq: MATH 15600
prereq or coreq: MATH 25000
4 hrs 4 cr.

**STAT 21200** - Discrete Probability

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs 3 cr.

**STAT 21300** - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

**STAT 21400** - Data Analysis Using Statistical Software

GER 3/B
Familiarity with the Windows computing environment encouraged. Analysis of variance, simple and multiple regression, nonparametric statistics, statistical model building
prereq: STAT 21300 or MATH 12500 and STAT 11300 with grade of C or better in each course.
3 hrs 3 cr.

**STAT 31100** - Probability Theory

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.
prereq: MATH 25000.
3 hrs 3 cr.

**STAT 31200** - Stochastic Processes

GER 3/B
Discrete and continuous stochastic processes including Markov chains, birth processes, queues and Brownian motion.
prereq: STAT 31100
3 hrs 3 cr.

**STAT 31300 - Introduction to Mathematical Statistics**

GER 3/B
Estimation, hypothesis testing, confidence limits for normal, binomial, Poisson and exponential random variables.

prereq: STAT 31100
3 hrs 3 cr.

**Additional Required Courses (30 credits)**

**CSCI 13200 - Practical UNIX and Programming, with Lab**

GER 2/E
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition. 

*This course cannot be counted towards the CSCI major.*

prereq: none
3 hrs 3 cr.

**CSCI 23200 - Relational Databases and SQL Programming, with Lab**

GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.

*Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.*

prereq: CSCI 13200
3 hrs 3 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

*Primarily for pre-med, medical laboratory sciences and science majors.*

prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

*Primarily for premed, medical laboratory sciences and science majors.*

prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10600 - General Chemistry Laboratory**
GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.
(or equivalent)

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only
or

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eucaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only
BIOL 42500 - Computational Molecular Biology

GER 3/B
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of *in silico* biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and prediction of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting. *Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.*

*prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.*

Music

About the Department

The Department of Music offers a wide variety of courses and degree programs tailored to the needs of students with different personal and professional objectives. Course offerings include a large selection of topics for both majors and non-majors covering many areas of music performance, theory, history, and literature. The BA degree can be completed evenings or days. In addition, the department sponsors numerous extracurricular events, including concerts, lectures, and master classes.

Private lessons in instruments and voice are provided to all performance majors and many other music majors by a distinguished roster of performance teachers. Financial aid is available to qualified performance majors and other majors who need to study with private teachers not on the staff.

Graduates of the department are active in classical and popular performance fields as singers, instrumentalists, and conductors. Concentration in music theory and composition can lead to career opportunities in orchestrating, choral or commercial arranging, film scoring, and music composing in contemporary and popular idioms. Concentration in music history paves the way for career opportunities in college teaching and musical scholarship, including such work as music journalism and criticism; lecturing; writing program and music-liner notes; editing, translating, and cataloging musical materials; and serving as a consultant to concert societies, opera houses, and publishers. Graduates of the BA/MA Degree in Education program are qualified to teach in the public elementary and high schools of New York State.

Graduate Study

Seniors of high academic standing who are recommended by the department may be permitted to take graduate courses for undergraduate credit. Seniors within 9 credits of graduation may apply to the Admissions Office for permission to take graduate courses creditable toward the MA degree.

Programs and Courses

Programs and Courses in Music
Administration and Faculty

Department Office:

416 North
(212)772-5020
fax: (212)772-5022
Web site: http://www.hunter.cuny.edu/music
E-mail: music@hunter.cuny.edu

Chair:

Ruth DeFord
417 North
212 772-5026
rdeford@hunter.cuny.edu

Faculty

Music Faculty

HEGIS Code: 1004

Music - BA/MA

4-Year Dual BA/MA Degree

The department offers unusually gifted students the opportunity to obtain a master’s degree in four years with a minimum of 120 credits. Requirements are the same as those for the 42-credit BA plus those for the MA in music (30 credits at the graduate level; see graduate catalog). Students may be admitted to this program only after they have completed at least 60 credits of college work, including at least 29 credits in music (three semesters of music history, four semesters of music theory, and four semesters of musicianship). At least 12 credits (including six in music) must have been taken at Hunter College, and students must have a cumulative GPA of at least 3.5 with no grade of less than B in any music course. At that time, they must fulfill all requirements for entry into the MA program except completion of the BA degree. The graduate adviser must be consulted about the MA requirements.

Music - BMus

60-Credit Major

This degree is designed for students planning to pursue careers as professional performers of music or as teachers of music performance. It provides intensive instruction in the student’s instrument or voice; solid training in music history and theory; and a broad, liberal arts education. Admission to this program is conditional on passing an audition (preferably before the student enters college) demonstrating a high level of skill in performance. Requirements are:
Music history:

**MUSHL 20100 - Introduction to Music Research**

Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals, scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing issues specific to music.

*coreq: MUSHL 20500
prereq or coreq: ENGL 12000
1 hr 1 cr.
offered fall

**MUSHL 20500 - Music History I**

*PD/D*
For music majors. Survey of the history of music in the European tradition to 1600.

*prereq: elementary knowledge of music history and literature, demonstrated by dept. exam*
*coreq: MUSHL 20100
prereq or coreq: MUSTH 22000, 23000, ENGL 12000, perm dept.*

3 hrs 3 cr.
offered fall

**MUSHL 20600 - Music History II (W)**

*PD/D*
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600 to 1800.

*prereq: MUSHL 20100, 20500, ENGL 12000
prereq or coreq: MUSTH 22100, 23100
3 hrs 3 cr.
offered spring

**MUSHL 30500 - Music History III (W)**

*PD/D*
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.

*prereq: MUSHL 20600, MUSTH 22100, 23100
3 hrs 3 cr.
offered fall

and any other 3-credit MUSHL course at the 300-level

Music theory:

**MUSTH 20100 - Introduction to Music Technology**

An introduction to basic music technology skills: music notation software, MIDI sequencing, and digital audio editing.

*prereq or coreq: prerequisites: MUSTH 22000 and 23000, or perm dept.*

1 hr 1 cr.
offered spring

**MUSTH 22000 - Music Theory I**
Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

prereq: ability to read music as demonstrated by dept. exam, perm dept.coreq: MUSTH 23000
3 hrs3 cr.
offered fall

MUSTH 22100 - Music Theory II

Continuation of MUSTH 22000.
prereq: MUSTH 22000 coreq: MUSTH 23100
3 hrs3 cr.
offered spring

MUSTH 23000 - Musicianship I

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.
coreq: MUSTH 22000
3 hrs2 cr.
offered fall

MUSTH 23100 - Musicianship II

Continuation of MUSTH 23000.
prereq: MUSTH 23000 coreq: MUSTH 22100
3 hrs2 cr.
offered spring

MUSTH 32000 - Music Theory III

Intermediate-level study of melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.
prereq: MUSTH 20100, MUSTH 22100 coreq: MUSTH 33000
3 hrs3 cr.
offered fall

MUSTH 33000 - Musicianship III

Sight singing, ear training, and keyboard drill on materials studied in corequisite course. Individual work in the Computer Assisted Instruction facility.
prereq: MUSTH 23100 coreq: MUSTH 32000
3 hrs2 cr.
offered fall
and any other 3-credit MUSTH course at the 300-level

Private lessons:

MUSPF 43100 - Individual Instruction in Instrument or Voice

Limited to students in the 60-credit BMus program and the BA/MA music program. Intensive study in instrumental or vocal techniques. Jury examination required.
May be taken 8 times.
prereq: perm dept.
1 hr 3 cr.

Performance ensembles:

For instrumentalists - 6 credits in instrumental ensembles

Choose 6 credits from the following:

**MUSPF 23100 - Hunter Symphony**
Rehearsal and performance of orchestral works. May be taken 8 times.
prereq: audition, perm instr.
3 hrs 1 cr.

**MUSPF 24900 - Jazz Ensemble**
Open to all instrumentalists by audition. Study and performance of popular forms of music, including dance, jazz, and musical comedy. May be taken 6 times.
2 hrs 1 cr.

**MUSPF 35500 - Chamber Music Workshop**
Rehearsal and public performance of instrumental chamber works. May be taken 6 times.
prereq: audition, perm instr.
2 hrs 1 cr.

**MUSPF 25000 - Popular Music Combo**
Study and performance within a small ensemble context of the popular music genres, such as Pop, Rock, Hip-Hop, R & B, Country/Bluegrass, and Jazz. May be taken 6 times.
prereq or coreq: prereqs: audition, perm dept.
2 hrs 1 cr.

**MUSPF 36500 - Topics in Piano Performance**
Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.
May be taken 4 times.
coreq: MUSPF 40100 or 43100
2 hrs 1 cr.

For singers

6 credits in vocal ensembles
**MUSPF 22100 - College Choir**

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.

*3 hrs 1 cr.*

**MUSPF 25100 - Jazz Vocal Workshop Ensemble**

Jazz performance and improvisation. May be taken 6 times.

*prereq: MUSPF 11100 or 21100 or 40100 in Voice, and audition
2 hrs 1 cr.*

**MUSPF 35300 - Chamber Singers**

Study and public performance of solo and chamber chorus works from all musical eras. May be taken 6 times.

*prereq: audition, perm instr.
2 hrs 1 cr.*

**MUSPF 36900 - Topics in Vocal Performance**

Seminar in performance for advanced voice students, focusing on a different topic each semester. The seminar will involve study and performance of representative works of vocal repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

*May be taken 4 times.
prereq: ENGL 12000coreq: MUSPF 40100 or 43100
2 hrs 1 cr.*

For singers, a minimum of 2 credits must be in MUSPF 36900

**For pianists**

A minimum of 2 credits must be in

**MUSPF 36500 - Topics in Piano Performance**

Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

*May be taken 4 times.
coreq: MUSPF 40100 or 43100
2 hrs 1 cr.*

**Electives:**

- 4 credits in music courses above the 100-level.

**Recital:**

- A senior recital, for which no credit is given, is also required.
Piano Proficiency Requirement

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

Music 25-Credit Major (BA)

This degree is designed for students who want to study music in the context of a general liberal arts education, but who do not plan to pursue careers in music. It may also be convenient for students who enter Hunter with a large number of transfer credits in music. Requirements are:

Music history:

MUSHL 20100 - Introduction to Music Research

Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals, scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing issues specific to music.

*coreq: MUSHL 20500*
*prereq or coreq: ENGL 12000*

1 hr 1 cr.
offered fall

MUSHL 20500 - Music History I

For music majors. Survey of the history of music in the European tradition to 1600.

*prereq: elementary knowledge of music history and literature, demonstrated by dept. exam*
*coreq: MUSTH 22000, 23000, ENGL 12000, perm dept.*

3 hrs 3 cr.
offered fall

MUSHL 20600 - Music History II (W)

For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600 to 1800.

*prereq: MUSHL 20100, 20500, ENGL 12000*
*coreq: MUSTH 22100, 23100*

3 hrs 3 cr.
offered spring

MUSHL 30500 - Music History III (W)

Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.

*prereq: MUSHL 20600, MUSTH 22100, 23100*
Any other 3-credit MUSHL at the 300-level

Music theory:

**MUSTH 22000 - Music Theory I**

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.  
*prereq: ability to read music as demonstrated by dept. exam, perm dept.*  
*coreq: MUSTH 23000*

3 hrs 3 cr.  
offered fall

**MUSTH 22100 - Music Theory II**

Continuation of MUSTH 22000.  
*prereq: MUSTH 22000*  
*coreq: MUSTH 23100*

3 hrs 3 cr.  
offered spring

**MUSTH 23000 - Musicianship I**

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.  
*coreq: MUSTH 22000*

3 hrs 2 cr.  
offered fall

**MUSTH 23100 - Musicianship II**

Continuation of MUSTH 23000.  
*prereq: MUSTH 23000*  
*coreq: MUSTH 22100*

3 hrs 2 cr.  
offered spring

Performance:

**MUSPF 22100 - College Choir**

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.  
3 hrs 1 cr.

**MUSPF 23100 - Hunter Symphony**
Rehearsal and performance of orchestral works. May be taken 8 times.

prereq: audition, perm instr.
3 hrs 1 cr.

Piano Proficiency Requirement

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

Music 42-Credit Major (BA)

This degree is designed for students planning to pursue professional careers in music. It provides basic training in all areas of music and serves as a foundation for graduate study of any aspect of the field. Requirements are:

Music history:

MUSHL 20100 - Introduction to Music Research

Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals, scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing issues specific to music.

coreq: MUSHL 20500
prereq or coreq: ENGL 12000
1 hr 1 cr.

offered fall

MUSHL 20500 - Music History I

PD/D
For music majors. Survey of the history of music in the European tradition to 1600.

prereq: elementary knowledge of music history and literature, demonstrated by dept. exam
coreq: MUSHL 22000, 23000, ENGL 12000, perm dept.
3 hrs 3 cr.

offered fall

MUSHL 20600 - Music History II (W)

PD/D
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600 to 1800.

prereq: MUSHL 20100, 20500, ENGL 12000
prereq or coreq: MUSTH 22100, 23100
3 hrs 3 cr.

offered spring

MUSHL 30500 - Music History III (W)
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.

prereq: MUSHL 20600, MUSTH 22100, 23100

3 hrs 3 cr.

offered fall

And any other 3-credit MUSHL course at the 300-level

Music theory:

**MUSTH 20100 - Introduction to Music Technology**

An introduction to basic music technology skills: music notation software, MIDI sequencing, and digital audio editing.

prereq or coreq: prereqs: MUSTH 22000 and 23000, or perm dept.

1 hr 1 cr.

offered spring

**MUSTH 22000 - Music Theory I**

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

prereq: ability to read music as demonstrated by dept. exam, perm dept.
coreq: MUSTH 23000

3 hrs 3 cr.

offered fall

**MUSTH 22100 - Music Theory II**

Continuation of MUSTH 22000.

prereq: MUSTH 22000

coreq: MUSTH 23100

3 hrs 3 cr.

offered fall

**MUSTH 23000 - Musicianship I**

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.

coreq: MUSTH 22000

3 hrs 2 cr.

offered fall

**MUSTH 23100 - Musicianship II**

Continuation of MUSTH 23000.

prereq: MUSTH 23000

coreq: MUSTH 22100

3 hrs 2 cr.

offered spring

**MUSTH 32000 - Music Theory III**
Intermediate-level study of melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

 prereq: MUSTH 20100, MUSTH 22100
 coreq: MUSTH 33000
 3 hrs3 cr.
  offered fall

MUSTH 33000 - Musicianship III

Sight singing, ear training, and keyboard drill on materials studied in corequisite course. Individual work in the Computer Assisted Instruction facility.

 prereq: MUSTH 23100
 coreq: MUSTH 32000
 3 hrs2 cr.
 offered fall
 and any other 3-credit MUSTH course at the 300-level

Performance:

MUSPF 40100 - Individual Instruction in Instrument or Voice

Limited to the 42-credit BA music major, the 25-credit BA music major, the BA/MA music major and the music minor. Audition demonstrating performance skills equivalent to New York State School Music Association (NYSSMA) level 2 or higher. Students must make their own arrangements with department-listed teachers to receive credit for this course. Jury examination required. The jury examination following the second and subsequent semesters of private lessons must demonstrate performance skills equivalent to NYSSMA level 4 or higher.

 May be taken 8 times.
 prereq: perm dept.
 1 hr1 cr.

2 credits in large ensembles

MUSPF 22100 - College Choir

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.

 3 hrs1 cr.

MUSPF 23100 - Hunter Symphony

Rehearsal and performance of orchestral works. May be taken 8 times.

 prereq: audition, perm instr.
 3 hrs1 cr.

2 credits in performance electives

MUSPF 22100 - College Choir

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.

 3 hrs1 cr.

MUSPF 23100 - Hunter Symphony
Rehearsal and performance of orchestral works. May be taken 8 times.

_prereq: audition, perm instr._
3 hrs1 cr.

**MUSPF 24900 - Jazz Ensemble**

Open to all instrumentalists by audition. Study and performance of popular forms of music, including dance, jazz, and musical comedy. May be taken 6 times.

2 hrs1 cr.

**MUSPF 25000 - Popular Music Combo**

Study and performance within a small ensemble context of the popular music genres, such as Pop, Rock, Hip-Hop, R & B, Country/Bluegrass, and Jazz. May be taken 6 times.

_prereq or coreq: prereqs: audition, perm dept._
2 hrs1 cr.

**MUSPF 25100 - Jazz Vocal Workshop Ensemble**

Jazz performance and improvisation. May be taken 6 times.

_prereq: MUSPF 11100 or 21100 or 40100 in Voice, and audition_
2 hrs1 cr.

**MUSPF 35300 - Chamber Singers**

Study and public performance of solo and chamber chorus works from all musical eras. May be taken 6 times.

_prereq: audition, perm instr._
2 hrs1 cr.

**MUSPF 35500 - Chamber Music Workshop**

Rehearsal and public performance of instrumental chamber works. May be taken 6 times.

_prereq: audition, perm instr._
2 hrs1 cr.

**MUSPF 36500 - Topics in Piano Performance**

Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

_May be taken 4 times._
_coreq: MUSPF 40100 or 43100_
2 hrs1 cr.

**MUSPF 36900 - Topics in Vocal Performance**

Seminar in performance for advanced voice students, focusing on a different topic each semester. The seminar will involve study and performance of representative works of vocal repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.
May be taken 4 times.

prereq: ENGL 12000
coreq: MUSPF 40100 or 43100
2 hrs 1 cr.

**MUSPF 40100 - Individual Instruction in Instrument or Voice**

Limited to the 42-credit BA music major, the 25-credit BA music major, the BA/MA music major and the music minor. Audition demonstrating performance skills equivalent to New York State School Music Association (NYSSMA) level 2 or higher. Students must make their own arrangements with department-listed teachers to receive credit for this course. Jury examination required. The jury examination following the second and subsequent semesters of private lessons must demonstrate performance skills equivalent to NYSSMA level 4 or higher.

May be taken 8 times.

prereq: perm dept.
1 hr 1 cr.

**Electives:**

- 4 credits in music courses above the 100-level

**Piano Proficiency Requirement**

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

**Music Bachelor's Degrees**

Return to: Department of Music

- Music 25-Credit Major (BA)
- Music 42-Credit Major (BA)
- Music - BMus

**Major Programs**

The Department of Music offers three undergraduate and two BA/MA major programs to fit individual interests and requirements. Students must take three examinations before declaring a music major:

1. **Music notation, rudimentary theory, and basic musicianship skills.** This examination is prerequisite to MUSTH 22000 (Music Theory I).

   Students who do not pass it must take MUSTH 10100 (Music Theory Fundamentals) or learn the material on their own, then repeat the examination.

2. **Elementary music history and literature.** This examination is prerequisite to MUSHL 20500 (Music History I). Students who do not pass it must take MUSHL 10100 (Introduction to Music) or learn the material
3. **Performance audition on an instrument or voice.** This examination is prerequisite to MUSPF 40100 (Private Instruction in Instrument or Voice). Students whose performance skills fall below New York State School Music Association (NYSSMA) level 2, equivalent to about one year of study, must take MUSPF 21100-MUSPF 21200 (Voice I-II), MUSPF 21300-MUSPF 21400 (Piano III), or private lessons at their own expense (without credit), then repeat the examination. Students with no experience in performance may defer the audition until the end of their first semester of study. Prospective majors should consult the Music Department’s undergraduate adviser as soon as possible to discuss these examinations and any prerequisite courses they may need before beginning the major.

**Piano Proficiency Requirement**

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

**Minor in Music**

The music minor consists of 15 credits in music:

**MUSTH 10100 - Music Theory Fundamentals**

GER 2/D

For non-majors. Introduction to music theory, sight singing, and ear training.

3 hrs3 cr.

**MUSHL 10100 - Introduction to Music**

GER 2/D PD/D

For non-majors. Selected compositions primarily from the European tradition studied with aim to develop perceptive listening.

3 hrs3 cr.

-or-

**MUSHL 10700 - The World of Music**

GER 2/D PD/A

For non-majors. Introduction to music from a spectrum of world cultures, including Africa, Asia, and the Caribbean.

3 hrs3 cr.

- one course with an MUSHL prefix at the 200-level; and 6 credits of music electives, 3 of which must be at the 200-level or higher.

Prospective minors who have already mastered the material taught in the required 100-level courses MUSTH 10100 and/or MUSHL 10100 or MUSHL 10700) may be exempted from these courses by passing the same entrance examination that is required of prospective music majors (see above). Music minors may substitute more advanced courses in any area of music study, including private lessons (subject to availability) and ensembles, for the courses from which they are exempt. PLEASE NOTE: Music minors who wish to take
private lessons for credit (MUSPF 40100) must first pass both the performance audition and music theory portions of the entrance examination.

Grading Policies

Students must have grades of C or better in all prerequisite courses in order to take courses that are required for the major. The grade of CR may not be elected in major courses. In accordance with Hunter College policy, a course may not be taken more than twice without permission of the department.

Honors

To qualify for departmental honors in music, a student must have a 3.5 grade point average in major courses and complete an honors project, taken under the following course number. The project, which must be approved in advance by the Policy Committee, may be a research paper on a historical, theoretical, or other topic; an original composition; or a recital. All projects should demonstrate an advanced level, a broad scope, and a high quality, and must be done under the supervision of a faculty member of the Music Department.

MUSTH 49100 - Honors Project

Upper Jr/Sr only. Individual project of large scope in music history, theory, composition, or performance.
prereq: minimum music GPA of 3.5, perm undergrad adviser
1 sem 3 cr.

MUSTH 49200 - Honors Project

prereq: MUSTH 49100
1 sem 3 cr.

Graduate Study

Seniors of high academic standing who are recommended by the department may be permitted to take graduate courses for undergraduate credit. Seniors within 9 credits of graduation may apply to the Admissions Office for permission to take graduate courses creditable toward the MA degree.

Music/Music Teacher Education Pre-K-12 - BA/MA

Major Programs

The Department of Music offers three undergraduate and two BA/MA major programs to fit individual interests and requirements. Students must take three examinations before declaring a music major:

1. **Music notation, rudimentary theory, and basic aural skills.** This examination is prerequisite to MUSTH 22000 (Music Theory I).

Students who do not pass it must take MUSTH 10100 (Basic Musicianship) or learn the material on their own, then repeat the examination.
2. **Elementary music history and literature.** This examination is prerequisite to MUSHL 20500 (Music History I). Students who do not pass it must take MUSHL 10100 (Introduction to Music) or learn the material on their own, then repeat the examination.

3. **Performance audition on an instrument or voice.** This examination is prerequisite to MUSPF 40100 (Private Instruction in Instrument or Voice). Students whose performance skills fall below New York State School Music Association (NYSSMA) level 2, equivalent to about one year of study, must take MUSPF 21100-MUSPF 21200 (Voice I-II), MUSPF 21300-MUSPF 21400 (Piano III), or private lessons at their own expense (without credit), then repeat the examination. Students with no experience in performance may defer the audition until the end of their first semester of study.

   Prospective majors should consult the Music Department’s undergraduate adviser as soon as possible to discuss these examinations and any prerequisite courses they may need before beginning the major.

### Piano Proficiency Requirement

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the second year of study in music theory (MUSTH 32000 and MUSTH 32100). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

### 5- to 6-Year Dual BA/MA Degree in Teacher Education

Exceptionally qualified students may obtain a master’s degree in teacher education in 5-6 years with a minimum of 140 credits. Requirements are the same as those for the 42-credit BA plus requirements for the MA degree in music teacher education (see graduate catalog). Students may be admitted to this program only after they have completed at least 60 credits of college work, including at least 29 credits in music (three semesters of music history, four semesters of music theory, and four semesters of musicianship). At least 12 credits (including six in music) must have been taken at Hunter College, and students must have a cumulative GPA of at least 3.5 with no grade of less than B in any music course. They must have passed the Music Department’s piano proficiency examination and an audition-interview demonstrating reasonable mastery of an instrument or voice. In addition, they must either have passed the LAST (Liberal Arts and Sciences Test) or fulfilled the following requirements of the School of Education:

   a. Completion of developmental courses;

   b. Grade of B- or better in ENGL 12000 or a 200- level English course;

   c. Application, on-site essay, and interview with the School of Education;

   d. Proof of negative result on TB test;

   e. Maximum of 6 credits taken with CR/NC grades, or else calculation of those grades as C/F for computation of grade-point average.

Admission requires the consent of both the Music Department and the School of Education. See the School of Education section of both the undergraduate and graduate catalogs for more information.

### Minor

For 25-credit music majors, the minor consists of 12 credits in a field of study leading to a BA degree and approved by the Music Department adviser. Double-majors and students in other music major programs are exempt from the minor requirement. Minor courses can be used without limit to satisfy stages 1, 2, and 3 of the GER.
Minor for non-Majors

For students minoring in music, the requirements are determined by the student’s major department. See your major adviser. The Music Department recommends the following courses. Because 300-level courses are intended primarily for music majors and have extensive prerequisites, students whose major departments require a 300-level course in the minor may, with permission of their adviser, substitute a 200-level course in the music minor.

**MUSTH 10100 - Music Theory Fundamentals**

GER 2/D
For non-majors. Introduction to music theory, sight singing, and ear training.

3 hrs 3 cr.

or

**MUSTH 22000 - Music Theory I**

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

prereq: ability to read music as demonstrated by dept. exam, perm dept.
coreq: MUSTH 23000

3 hrs 3 cr.

offered fall

**MUSTH 23000 - Musicianship I**

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.

coreq: MUSTH 22000

3 hrs 2 cr.

offered fall

**MUSHL 10100 - Introduction to Music**

GER 2/D PD/D
For non-majors. Selected compositions primarily from the European tradition studied with aim to develop perceptive listening.

3 hrs 3 cr.

**MUSHL 10700 - The World of Music**

GER 2/D PD/A
For non-majors. Introduction to music from a spectrum of world cultures, including Africa, Asia, and the Caribbean.

3 hrs 3 cr.

- One course with an MU-H prefix at the 200-level
- 1-3 credits of music electives

**Grading Policy**
Students must have grades of C or better in all prerequisite courses in order to take courses that are required for the major. The grade of CR may not be elected in major courses. In accordance with Hunter College policy, a course may not be taken more than twice without permission of the department.

Honors

To qualify for departmental honors in music, a student must have a 3.5 grade point average in major courses and complete an honors project, taken under the following course number. The project, which must be approved in advance by the Policy Committee, may be a research paper on a historical, theoretical, or other topic; an original composition; or a recital. All projects should demonstrate an advanced level, a broad scope, and a high quality, and must be done under the supervision of a faculty member of the Music Department.

**MUSTH 49100 - Honors Project**

Upper Jr/Sr only. Individual project of large scope in music history, theory, composition, or performance.

*prereq: minimum music GPA of 3.5, perm undergrad adviser
1 sem 3 cr.*

**MUSTH 49200 - Honors Project**

*prereq: MUSTH 49100
1 sem 3 cr.*

Philosophy

About the Department

Philosophy studies the most fundamental questions that human beings ask — about individual and social action, the possibility and limits of knowledge, the truth and justification of beliefs, human nature and freedom, the existence of God and the operations of nature. Philosophy approaches these questions in a systematic way and philosophers have worked out more or less comprehensive theories to answer them (or show why they cannot be answered). The courses offered by the Philosophy Department are designed to introduce students to the main problems that philosophers study and to the main ideas of such profound and influential thinkers as Socrates, Plato, Aristotle, Augustine, Aquinas, Descartes, Hume and Kant.

Philosophy is one of the most important subjects a student can study because it develops the ability to reason clearly and critically, to write thoughtfully, to use intelligence and logic to deal with problems all too often ruled by emotion and prejudice. Philosophy also helps one develop intellectual flexibility and learn to appreciate ideas and beliefs other than those of one’s own time, place, class or group. Since it develops these intellectual abilities and habits, the study of philosophy, either in individual courses or as a major or minor, is excellent preparation for any profession or occupation.

Students of philosophy pursue careers in law, business, medicine, government and the arts. Some go on to study philosophy at the graduate level with the aim either of teaching philosophy or of obtaining an advanced degree to further their career objectives.

Course Listings
The department especially encourages students majoring in or interested in philosophy, both with fewer than 6 credits toward the major in philosophy, to consult with a departmental adviser about courses and their prerequisites at this stage of their academic stay at Hunter.

Programs and Courses

Programs and Courses in Philosophy

Administration and Faculty

Department Office:

1413 West
(212) 772-4970
Web site: http://www.hunter.cuny.edu/philosophy

Chair:

Laura S. Keating
1418 West
(212) 772-4972
lkeating@hunter.cuny.edu

Faculty

Philosophy Faculty

HEGIS Code: 1509

Philosophy - BA

Major

The Philosophy Department offers two concentrations: 1) the Standard concentration and 2) the concentration in Philosophy, Politics and Society (PPS).

Standard Concentration

Prerequisite

One of the following:

PHILO 10100 - Introduction to Philosophy
GER 2/C
Examination of basic philosophical questions through study of selected philosophical classics.
3 hrs 3 cr.
offered each semester

-or-

PHILO 10300 - Introduction to Logic and Critical Thinking

GER 2/C
Recognizing arguments; traditional logic including concepts, propositions, categorical, hypothetical and disjunctive syllogisms; argument structure, natural language argumentation, fallacies.
3 hrs 3 cr.
offered each semester

-or-

PHILO 10400 - Introduction to Ethics

GER 2/C
Examination of standards of right conduct and the good life through study of selected philosophical classics.
3 hrs 3 cr.
offered each semester

-or-

PHILO 10600 - Philosophy, Politics and Society

GER 2/C PD/D
Introduction to social and political philosophy.
3 hrs 3 cr.
offered each semester
Macaulay Honors students may take either

PHILO 20300 - Great Philosophers: Ancient and Medieval

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the dawn of philosophy in ancient Greece to the time of the Renaissance.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

-or-

PHILO 20400 - Great Philosophers: Modern and Contemporary

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the rise of modern philosophy in the 17th century to the present.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

Note:
None of these courses counts toward the major requirements, though any one is a prerequisite for declaring a major.

The Standard Concentration

consists of 30 credits distributed as follows:

1. 3 cr. in logic:

**PHILO 17100 - Introduction to Symbolic Logic**

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.

3 hrs 3 cr.

2. 9 cr. in history of philosophy:

**PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)**

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

**PHILO 21500 - Foundations of Modern Philosophy (W)**

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

**PHILO 21800 - Revolutions in Modern Philosophy (W)**

GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

3. 3 cr. in ethics, politics and aesthetics:

any course from

**PHILO 24400 - Moral Philosophy (W)**

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.
PHILO 24600 - Political Philosophy (W)

GER 3/B
Study of selected philosophical problems in politics, law, economics and society.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 25800 - Aesthetics (W)

GER 3/A
Study of philosophical issues that arise in our understanding and criticism of the arts. Topics include nature of expression, purpose and standards of criticism and aesthetic value.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

4. 3 cr. in metaphysics and epistemology:

any course from

PHILO 36000 - Metaphysics (W)

GER 3/A
Study of major metaphysical views, such as materialism, idealism, nominalism and realism. The major question is: What is reality and how may it be known?
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 36200 - Theory of Knowledge (W)

GER 3/A
Study of origin, structure, methods and foundations of human knowledge.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 36400 - Philosophy of Language (W)

GER 3/A
Inquiry into the philosophical significance of language, its structure, meaning, reference and use.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 36600 - Philosophy of Mind (W)

GER 3/A
Examination of the concept of mind and the person. Topics include thinking, intention, consciousness, supervenience, emotion, self-knowledge.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 37900 - Philosophy of Science (W)
GER 3/B
Study of foundations of knowledge in natural and social sciences.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

5. 3 cr. in the intensive study of a major philosopher:

any course from

PHILO 38000 - Plato (W)

GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs 4 cr

PHILO 38100 - Aristotle (W)

GER 3/A
Close study of Aristotle's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr

PHILO 38200 - Major Figure in Medieval Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the Middle Ages such as Augustine, Averroes, Maimonides, or Aquinas. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr

PHILO 38400 - Kant (W)

GER 3/A
A study of some of Kant's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr

PHILO 38500 - Plotinus (W)
GER 3/A
A study of the background, writings and legacy of Plotinus.

*prereq: Two courses in philosophy, at least one of which is at the 200 level.*

3 hrs 3 cr.

**PHILO 38600 - Hegel (W)**

GER 3/A
Study of some of Hegel's major writings.

*prereq: Two courses in philosophy, at least one of which is at the 200 level.*

3 hrs 3 cr.

**PHILO 38700 - Nietzsche (W)**

GER 3/A
Study of Nietzsche's major writings.

*prereq: Two courses in philosophy, at least one of which is at the 200 level.*

3 hrs 3 cr.

**PHILO 38800 - Wittgenstein (W)**

GER 3/A
Development of Wittgenstein's thought through intensive study of his major works.

*prereq: Two courses in philosophy, at least one of which is at the 200 level.*

3 hrs 3 cr.

**PHILO 38900 - Heidegger (W)**

GER 3/A
Detailed study of the central themes in Being and Time and their development in his later essays.

*prereq: Two courses in philosophy, at least one of which is at the 200 level.*

3 hrs 3 cr.

**PHILO 39000 - Marx (W)**

GER 3/A
Study of some of Marx's major writings.

*prereq: Two courses in philosophy, at least one of which is at the 200 level.*

3 hrs 3 cr.

6. 9 additional cr.

- Chosen in consultation with an adviser. Students are required to select at least one course (3 cr.) at the 300-level. Also they are encouraged to select courses that acquaint them with philosophic traditions other than the dominant Western ones.

**Concentration in Philosophy, Politics and Society**

**Prerequisite**
Students are encouraged to take

**PHILO 10600 - Philosophy, Politics and Society**
GER 2/C PD/D
Introduction to social and political philosophy.
3 hrs 3 cr.
offered each semester

Macaulay Honors students may take either

**PHILO 20300 - Great Philosophers: Ancient and Medieval**
GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the dawn of philosophy in ancient Greece to the time of the Renaissance.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

-or-

**PHILO 20400 - Great Philosophers: Modern and Contemporary**
GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the rise of modern philosophy in the 17th century to the present.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

Note:

*None of these courses counts toward the major requirements.*

The concentration in Philosophy, Politics and Society

consists of 30 credits distributed as follows:

9 credits in history of philosophy

**PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)**
GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

**PHILO 21500 - Foundations of Modern Philosophy (W)**
GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21800 - Revolutions in Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

3 credits in political philosophy

PHILO 24600 - Political Philosophy (W)

GER 3/B
Study of selected philosophical problems in politics, law, economics and society.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

3 credits in social philosophy

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

-or-

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

3 credits in the intensive study of a major philosopher, preferably concerning their political and/or social ideas,

for example

PHILO 38000 - Plato (W)

GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs 4 cr

PHILO 38100 - Aristotle (W)
GER 3/A
Close study of Aristotle's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38300 - Major Figure in Early Modern Philosophy (W)
GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38400 - Kant (W)
GER 3/A
A study of some of Kant's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38600 - Hegel (W)
GER 3/A
Study of some of Hegel's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38700 - Nietzsche (W)
GER 3/A
Study of Nietzsche's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 39000 - Marx (W)
GER 3/A
Study of some of Marx's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

3 credits in the study of recent issues in political and social philosophy

PHILO 34600 - Justice in Contemporary Society (W)
GER 3/B
A study of concepts of justice developed in the 20th century and their relevance to problems of contemporary society, such as social welfare, property rights and democratic government.

3 hrs 3 cr

9 credits in electives

chosen from 200- and 300-level PHIL courses (excluding PHILO 20300 and PHILO 20400, but including PHILO 17100); 6 credits of this requirement may be taken from the nondepartmental courses listed below. It is also recommended that 3 credits be taken on philosophical approaches to class, race, or gender; the following philosophy courses satisfy this recommendation: PHILO 22000 - Radical Philosophy (W), PHILO 22600 - African-American Philosophy (W), or PHILO 23000 - Feminism: Philosophical Theory and Practice (W)

Nondepartmental courses to satisfy elective requirement

**AFPRL 40100 - Pan-Africanism**

GER 3/B
Seminar traces development of Pan-Africanism through the 20th century.
*Not open to freshmen.*

*prereq: AFPRL 20200 or 20400 or 20600*

3 hrs 3 cr.

**AFPRL 40200 - African American Political Thought**

GER 3/B
Comparative theorists; methods and ideological currents.

*prereq: AFPRL 20300 or 20400 or 20500*

3 hrs 3 cr.

**HIST 33100 - European Culture in the 16th, 17th and 18th Centuries (W)**

GER 3/B
The impact of the Reformation, Counter-Reformation, the Scientific Revolution and related movements.

*Courses at the 300-level and above not offered to freshmen.*

*prereq or coreq: ENGL 12000*

3 hrs 3 cr.

**HIST 33200 - Modern Culture from the 18th to the 20th Centuries**

GER 3/B
From the impact of the Scientific Revolution and the Enlightenment to recent literature, art, religion and science. European political and social thought.

*Courses at the 300-level and above not offered to freshmen.*

3 hrs 3 cr.

**POLSC 20100 - Ancient to Early Modern Political Thought (W)**
GER 3/B PD/D
The study of selected writers from the ancient Greeks to the Renaissance (e.g., Plato to Machiavelli), focusing on the political dimensions of such ideas as rationality, virtue, community, human nature and historical change.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20200 - Modern Political Thought (1600-1900) (W)

GER 3/B PD/D
The study of selected political writers (e.g., Hobbes to Nietzsche), with special emphasis given to the nature of and problems with, liberty, equality and justice in modern societies and states.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20300 - Political Thought Since 1900 (W)

GER 3/B PD/D
Exploration of concepts and thinkers in political theory since 1900. Topics include such traditional issues of political theory as the nature and scope of political regimes, justice, equality and changing concepts of human nature.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20400 - Contemporary Issues in Political Theory

GER 3/B
Topics vary each semester. They have included democracy in America, totalitarianism, liberty and authority.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20900 - Women and Gender in Western Political Thought (W)

GER 3/B PD/C or D
Examines history of political thought from the perspective of gender relations and the treatment of women.
cross-listed WGS 20900 (W)
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 30100 - American Political Thought (W)

GER 3/B
Examination of ideas that have shaped American politics from the Revolution to the present, including Federalists and Anti-Federalists, Progressivism and responses to industrialization and recent debates over the welfare state, political inclusion and democracy.
prereq: ENGL 12000 or its equivalent; one course in political theory or perm. instr.
3 hrs3 cr.

POLSC 30400 - Contemporary Issues in Political Theory

GER 3/B
Selected topics in political theory.
prereq: ENGL 12000 or its equivalent; one course in political theory subfield or perm instr.
3 hrs 3 cr.

**POLSC 30500 - Democratic Theory (W)**

**GER 3/B**

A critical survey of different conceptions of democracy: issues include democracy as a political order, democracy and 'non-political' forms of life (e.g., business, family, religion), toleration, political representation, democracy and justice.

*prereq or coreq: ENGL 12000 or its equivalent; one course in political theory or perm instr.*

3 hrs 3 cr.

**POLSC 30900 - Feminist Political Theory (W)**

**GER 3/B PD/C**

Readings in feminist ideas, both historical and contemporary, on issues of power, justice and equality. The course will emphasize different perspectives, including those of liberal, radical, postmodernist, women of color, third world and 'global' feminists.

*cross-listed WGS 30900 (W)*

*prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.*

3 hrs 3 cr.

**POLSC 31100 - Utopian Theory (W)**

**GER 3/B**

Political theorists often imagine ideal worlds, both to explore ideals and to criticize political realities. This course will explore utopias and dystopias as theories that explore political possibilities and challenge existing realities.

*prereq: ENGL 12000 or its equivalent; one course in political theory or perm dept.*

3 hrs 3 cr.

**POLSC 31600 - Political Theory of Human Rights (W)**

**GER 3/B**

A critical analysis of the intersection of academic and practical discourse of human rights with the central concerns of political theory, particularly as it engages relationships between ethics and power as well as theory and practice.

*prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.*

3 hrs 3 cr.

**SOC 22100 - Classical Sociological Theory**

**GER 3/B PD/D**

Classical theorists and their contributions.

*prereq: SOC 10100*

3 hrs 3 cr.

**SOC 22300 - Current Sociological Theory**

**GER 3/B**

Significance of concepts and nature of evidence applied to leading theories. Theory construction.

*prereq: SOC 10100, SOC 22100, major*

3 hrs 3 cr.
Elective courses recommended for students with particular interests

Elective credits should be carefully chosen to focus students’ programs on their present interests and future needs. The following courses are recommended for students with particular interests.

Graduate study in philosophy

**PHILO 17100 - Introduction to Symbolic Logic**

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.

3 hrs 3 cr.

**PHILO 24400 - Moral Philosophy (W)**

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

Admission to law school

**PHILO 17100 - Introduction to Symbolic Logic**

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.

3 hrs 3 cr.

**PHILO 24400 - Moral Philosophy (W)**

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

Careers in public administration

**PHILO 25000 - Problems of Ethics and Society (W)**

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

Careers in foreign service

**PHILO 24800 - International Ethics (W)**
GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

POLSC 31600 - Political Theory of Human Rights (W)

GER 3/B
A critical analysis of the intersection of academic and practical discourse of human rights with the central concerns of political theory, particularly as it engages relationships between ethics and power as well as theory and practice.
prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs 3 cr.

Careers in social welfare

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

SOC 22100 - Classical Sociological Theory

GER 3/B PD/D
Classical theorists and their contributions.
prereq: SOC 10100
3 hrs 3 cr.

SOC 22300 - Current Sociological Theory

GER 3/B
Significance of concepts and nature of evidence applied to leading theories. Theory construction.
prereq: SOC 10100, SOC 22100, major
3 hrs 3 cr.

Note:

Certain new, ad hoc, or independent study courses may be taken in partial satisfaction of requirements listed above, if they are approved by the Philosophy, Politics and Society major concentration adviser.

Minors in Philosophy

Students may declare an optional minor in Philosophy (the Standard concentration) or a minor in the Philosophy, Politics, Society concentration. In either case a minor in philosophy is comprised of 12 credits at the 200-level or above, including no fewer than 3 credits at the 300-level. Exceptions: PHILO 17100 may count toward the minor at the 200-level; and PHILO 20300 and PHILO 20400 shall not count. PHILO 20300 and 20400 are excluded from counting
toward the minor, because they are, albeit advanced, introductory courses. A student must pass a minor in philosophy with a minimum GPA of 3.00.

When constructing a philosophy minor in either the standard or the PPS concentration, a student should always consult with a philosophy department advisor beforehand.

The Standard Minor

Students should follow their interests in choosing the courses taken to satisfy the minor. Usually this will involve choosing courses related to the student’s major. Ideally the minor will allow the student to study the philosophical issues associated with a field or period of history in increasing depth. Some suggested tracks are listed below:

Logic and Mathematics

Four of

**PHILO 17100 - Introduction to Symbolic Logic**

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.

3 hrs 3 cr.

**PHILO 27500 - Intermediate Symbolic Logic**

GER 3/B

Sentential derivations, interpretations, symbolizations involving operator symbols, identity, definite descriptions, predicate derivations through logic of identity and definite descriptions. *cross-listed* MATH 27500

*prereq: PHILO 17100*

3 hrs 3 cr.

**PHILO 27900 - Inductive Logic**

GER 3/A

Deductive vs. inductive logic, basic forms of inductive inference, Mill’s methods and controlled experiments, the probability calculus, interpretations of probability, the problem of induction, confirmation and disconfirmation of hypotheses.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs 3 cr.

**PHILO 36400 - Philosophy of Language (W)**

GER 3/A

Inquiry into the philosophical significance of language, its structure, meaning, reference and use.

*prereq: Two courses in philosophy, at least one of which is at the 200 level.*

3 hrs 3 cr.

**PHILO 37500 - Advanced Symbolic Logic**
GER 3/B
A survey of the central results and techniques of meta-logic, principally mathematical induction, the soundness and completeness of theorems for first-order logic, the Skolem theorem and Church’s theorem on undecidability.
*prereq: PHIL 27500 or equiv.*
3 hrs 3 cr.

PHILO 37600 - Philosophy of Mathematics (W)

GER 3/B
Study of such issues as the nature of demonstration or proof and the nature of mathematical knowledge and mathematical objects such as numbers and sets. cross-listed with MATH 376.
*prereq: ENGL 12000; one PHIL course and one PHIL or MATH course (precalculus or beyond)*
3 hrs 3 cr.

Natural and Social Sciences

four of

PHILO 17100 - Introduction to Symbolic Logic

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.
3 hrs 3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

PHILO 26800 - Philosophical Psychology (W)

GER 3/B
Views of human nature underlying some major contemporary schools of psychology, such as Freudian psychoanalysis, behaviorism, existentional psychoanalysis, Piaget's developmental psychology.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

PHILO 27000W - Philosophy, Science and Culture

GER 3/B
Issues relating to the impact of modern science on philosophy, religion and culture.
*prereq: ENGL 12000 and one previous course in philosophy.*
3 hrs 3 cr.

PHILO 27500 - Intermediate Symbolic Logic
GER 3/B
Sentential derivations, interpretations, symbolizations involving operator symbols, identity, definite descriptions, predicate derivations through logic of identity and definite descriptions.
cross-listed MATH 27500
prereq: PHIL 17100
3 hrs3 cr.

PHILO 27900 - Inductive Logic

GER 3/B
Deductive vs. inductive logic, basic forms of inductive inference, Mill's methods and controlled experiments, the probability calculus, interpretations of probability, the problem of induction, confirmation and disconfirmation of hypotheses.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 37500 - Advanced Symbolic Logic

GER 3/B
A survey of the central results and techniques of meta-logic, principally mathematical induction, the soundness and completeness of theorems for first-order logic, the Skolem theorem and Church's theorem on undecidability.
prereq: PHIL 27500 or equiv.
3 hrs3 cr.

PHILO 37900 - Philosophy of Science (W)

GER 3/B
Study of foundations of knowledge in natural and social sciences.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

Psychology and Mind

four of

PHILO 20100 - Knowledge and Reality (W)

GER 3/A PD/D
Study of main problems of theory of knowledge and metaphysics such as personal identity, grounds of justified belief, existence of God, nature of free will and causality.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.
PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 26800 - Philosophical Psychology (W)

GER 3/B
Views of human nature underlying some major contemporary schools of psychology, such as Freudian psychoanalysis, behaviorism, existential psychoanalysis, Piaget's developmental psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 36600 - Philosophy of Mind (W)

GER 3/A
Examination of the concept of mind and the person. Topics include thinking, intention, consciousness, supervenience, emotion, self-knowledge.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

Cognitive Psychology

four of

PHILO 20100 - Knowledge and Reality (W)

GER 3/A PD/D
Study of main problems of theory of knowledge and metaphysics such as personal identity, grounds of justified belief, existence of God, nature of free will and causality.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 26800 - Philosophical Psychology (W)

GER 3/B
Views of human nature underlying some major contemporary schools of psychology, such as Freudian psychoanalysis, behaviorism, existential psychoanalysis, Piaget's developmental psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 36200 - Theory of Knowledge (W)

GER 3/A
Study of origin, structure, methods and foundations of human knowledge.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 37900 - Philosophy of Science (W)

GER 3/B
Study of foundations of knowledge in natural and social sciences.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38400 - Kant (W)

GER 3/A
A study of some of Kant's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

English and the Arts

course of

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21800 - Revolutions in Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.
**prereq:** ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

**PHILO 22800 - Existentialism (W)**

GER 3/A PD/D
Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.
**prereq:** ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

**PHILO 24400 - Moral Philosophy (W)**

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
**prereq:** ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

**PHILO 25600 - Philosophical Ideas in Literature (W)**

GER 3/A
Analysis of major philosophical themes in some classics of world literature.
**prereq:** ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

**PHILO 25800 - Aesthetics (W)**

GER 3/A
Study of philosophical issues that arise in our understanding and criticism of the arts. Topics include nature of expression, purpose and standards of criticism and aesthetic value.
**prereq:** ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

**PHILO 38000 - Plato (W)**

GER 3/A
Close study of major Platonic dialogues.
**prereq:** Two courses in philosophy, at least one of which is at the 200 level.
4 hrs 4 cr

**PHILO 38300 - Major Figure in Early Modern Philosophy (W)**

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
**prereq:** Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

**PHILO 38600 - Hegel (W)**
GER 3/A
Study of some of Hegel's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38700 - Nietzsche (W)
GER 3/A
Study of Nietzsche's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

History of the modern world
four of

PHILO 21500 - Foundations of Modern Philosophy (W)
GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21800 - Revolutions in Modern Philosophy (W)
GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22000 - Radical Philosophy (W)
GER 3/A PD/D
Study of 20th-century philosophers who were critical of industrial capitalist society, such as Lukc's and Marcuse, along with their historical precursors, including Rousseau and Marx.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22500 - American Philosophy (W)
GER 3/A PD/D
Historical survey of major American philosophers such as Edwards, Emerson, Thoreau, Peirce, James, Royce, Santayana and Dewey.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22600 - African-American Philosophy (W)
GER 3/A PD/B
Development of the African-American intellectual tradition. Study of the work of such figures as Equiano, Douglass, Cooper, Blyden, Du Bois and Hurston.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22800 - Existentialism (W)

GER 3/A PD/D
Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 24600 - Political Philosophy (W)

GER 3/B
Study of selected philosophical problems in politics, law, economics and society.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38400 - Kant (W)

GER 3/A
A study of some of Kant's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.  
3 hrs 3 cr.

**PHILO 38600 - Hegel (W)**

GER 3/A  
Study of some of Hegel's major writings.  
prereq: Two courses in philosophy, at least one of which is at the 200 level.  
3 hrs 3 cr.

**PHILO 38700 - Nietzsche (W)**

GER 3/A  
Study of Nietzsche's major writings.  
prereq: Two courses in philosophy, at least one of which is at the 200 level.  
3 hrs 3 cr.

**PHILO 38800 - Wittgenstein (W)**

GER 3/A  
Development of Wittgenstein's thought through intensive study of his major works.  
prereq: Two courses in philosophy, at least one of which is at the 200 level.  
3 hrs 3 cr.

**PHILO 38900 - Heidegger (W)**

GER 3/A  
Detailed study of the central themes in Being and Time and their development in his later essays.  
prereq: Two courses in philosophy, at least one of which is at the 200 level.  
3 hrs 3 cr.

**PHILO 39000 - Marx (W)**

GER 3/A  
Study of some of Marx's major writings.  
prereq: Two courses in philosophy, at least one of which is at the 200 level.  
3 hrs 3 cr.

History of the classical and medieval world  

four of

**PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)**

GER 3/A PD/D  
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.  
prereq: ENGL 12000 and one previous course in philosophy.  
3 hrs 3 cr.

**PHILO 21400 - Medieval Philosophy (W)**
GER 3/A PD/D
Study of major writings by medieval Arabic, Christian and Jewish philosophers such as Averroes, Aquinas and Maimonides.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 22300 - Neoplatonism (W)
GER 3/A PD/D
A study of the main thinkers and ideas in ancient and medieval Neoplatonism, emphasizing Plotinus and Augustine.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 38000 - Plato (W)
GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs4 cr

PHILO 38100 - Aristotle (W)
GER 3/A
Close study of Aristotle's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38200 - Major Figure in Medieval Philosophy (W)
GER 3/A
A study of the works and legacy of one of the major philosophers of the Middle Ages such as Augustine, Averroes, Maimonides, or Aquinas. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38500 - Plotinus (W)
GER 3/A
A study of the background, writings and legacy of Plotinus.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

American history or culture
four of

PHILO 22500 - American Philosophy (W)
GER 3/A PD/D
Historical survey of major American philosophers such as Edwards, Emerson, Thoreau, Peirce, James, Royce,
Santayana and Dewey.

 prerequisites: ENGL 12000 and one previous course in philosophy.

 3 hrs 3 cr.

PHILO 22600 - African-American Philosophy (W)

 prerequisites: ENGL 12000 and one previous course in philosophy.

 3 hrs 3 cr.

PHILO 23000 - Feminism: Philosophical Theory and Practice (W)

 prerequisites: ENGL 12000 and one previous course in philosophy.

 3 hrs 3 cr.

PHILO 32000 - Twentieth-Century Philosophy (W)

 prerequisites: Two courses in philosophy, at least one of which is at the 200 level.

 3 hrs 3 cr.

Law

PHILO 24600 - Political Philosophy (W)

 prerequisites: ENGL 12000 and one previous course in philosophy.

 3 hrs 3 cr.

PHILO 24800 - International Ethics (W)

 prerequisites: ENGL 12000 and one previous course in philosophy.

 3 hrs 3 cr.

PHILO 25200 - Problems of Law and Morality

 prerequisites: ENGL 12000 and one previous course in philosophy.

 3 hrs 3 cr.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 34600 - Justice in Contemporary Society (W)

GER 3/B
A study of concepts of justice developed in the 20th century and their relevance to problems of contemporary society, such as social welfare, property rights and democratic government.

3 hrs3 cr

Ethics

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 24400 - Moral Philosophy (W)

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25200 - Problems of Law and Morality

GER 3/B
Philosophy of law and the relation of legal to ethical issues.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.
PHILO 25400 - Ethical Issues in Biology and Medical Care (W)

GER 3/B
Treats issues such as abortion, euthanasia, extraordinary means, confidentiality, human experimentation, genetic control and allocation of limited life-saving therapy.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 34400 - Ethics in Contemporary Life (W)

GER 3/A
A study of concepts of ethics developed in the 20th century and their relevance to problems of contemporary life, such as personal development, social responsibility, and cultural difference.
3 hrs3 cr

Religion

four of

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21400 - Medieval Philosophy (W)

GER 3/A PD/D
Study of major writings by medieval Arabic, Christian and Jewish philosophers such as Averroes, Aquinas and Maimonides.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 22300 - Neoplatonism (W)

GER 3/A PD/D
A study of the main thinkers and ideas in ancient and medieval Neoplatonism, emphasizing Plotinus and Augustine.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.
PHILO 22800 - Existentialism (W)

GER 3/A PD/D
Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 26200 - Philosophy of Religion (W)

GER 3/A
Philosophical examination of some religious questions and beliefs.
prereq: one course in philosophy or religion (see statement under Program Prerequisites)
3 hrs 3 cr.

PHILO 36000 - Metaphysics (W)

GER 3/A
Study of major metaphysical views, such as materialism, idealism, nominalism and realism. The major question is: What is reality and how may it be known?
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38000 - Plato (W)

GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs 4 cr

PHILO 38200 - Major Figure in Medieval Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the Middle Ages such as Augustine, Averroes, Maimonides, or Aquinas. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38500 - Plotinus (W)

GER 3/A
A study of the background, writings and legacy of Plotinus.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38700 - Nietzsche (W)

GER 3/A
Study of Nietzsche's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.  
3 hrs 3 cr.

Minor in Philosophy, Politics and Society (PPS)

A student must take, as a prerequisite to the minor, PHILO 10600. This course does not count toward the PPS minor.

The PPS minor consists in taking 4 courses or 12 credits from the philosophy courses listed in the PPS major. Non-philosophy courses counting toward the PPS major concentration may not count toward the minor in philosophy.

Major Adviser

The Philosophy Department offers extensive advising services to majors, including: guidance for course selection and sequencing and devising a course of study; tracking progress and compliance with college, CUNY, and state regulations; career advice; planning for graduate and professional school applications; and information about special opportunities for philosophy students. Minors may also make use of these services.

Mentoring

Philosophy majors are encouraged to establish a relationship with a faculty mentor of their choice. This relationship can be distinct from the departmental advising relationship.

Honors

To be eligible for graduation with departmental honors in philosophy, a major must have at least a 3.50 GPA in philosophy, at least a 3.0 overall GPA. The student must register for the 3- or 6-credit PHILO 49400, which is taken in addition to and is not part of the 30 credits for the major. The student must write a substantial paper under the direction of a full-time faculty member. To receive departmental honors the completed paper must be submitted to a three-member committee who will judge whether it merits departmental honors. This committee will consist of the director of Honors Tutorial and two other full-time philosophy faculty members appointed by the director.

PHILO 49400 - Honors Tutorial in Philosophy

Open to Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision. Successful completion is one requirement for departmental honors at graduation.

prereq: 3.0 cum GPA and 3.50 major GPA; philosophy majors only, minor with perm instr; two 300-level PHIL courses, one of which may be taken concurrently; perm dept.

3 or 6 cr.

Independent Study

Students may engage in independent study under the supervision of a member of the Philosophy department by receiving permission to take the following.

PHILO 49200 - Independent Study in Philosophy
Independent study of philosophical works under faculty supervision.
prereq: one PHILO course at 300-level, perm instr. (see Program Prerequisites)
1-6 cr.

Physics and Astronomy

About the Department

Physics is the study of the basic interactions that govern the behavior of the universe as we know it. As such, a
knowledge of physics is necessary for the proper understanding of any science, and, of course, it is an exciting field of
study in its own right.

The department offers comprehensive training in physics that can lead to a teaching position in grades 7-12; industrial,
institutional and government work; and graduate study. The major includes lecture courses, laboratory courses, and a
chance for qualified students to participate in research with faculty members.

Physics for Non-Physics Majors

A minimum of one year of physics is recommended for all majors in sciences and health sciences.

Medical and dental schools also require one year of physics. Students requiring one year of physics may take either the
PHYS 11000-PHYS 12000 sequence (9 cr) or the PHYS 11100-PHYS 12100 sequence (11 cr). Although both
sequences cover the same topics, PHYS 11100-PHYS 12100 utilizes elementary calculus and meets for one additional
lecture hour each week. It is recommended for science students and those premed students who satisfy the
mathematics pre- or corequisite. PHYS 101 (4 cr) should be taken only by those who want a one semester terminal
course in physics; it does not satisfy pre-professional requirements. Students should take no more than one first-
semester course (PHYS 10100, PHYS 11000, PHYS 11100) and no more than one second-semester course (PHYS
12000, PHYS 12100) since they may receive credit for no more than one course from each group.

Programs and Courses

Programs and Courses in Physics & Astronomy

Administration and Faculty

Department Office:
1225 North
(212) 772-5248
Web site: http://www.hunter.cuny.edu/physics

Chair:
Yuhang Ren
1204 North
(212)772-5258
yre@hunter.cuny.edu
Chemical Engineering

Science Courses

Mathematics

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*

4 hrs 4 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

*prereq: grade of C or better in MATH 15000*

4 hrs 4 cr.

**MATH 25000 - Calculus with Analytic Geometry III**

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

*prereq: MATH 15500*

4 hrs 4 cr.

**MATH 25400 - Ordinary Differential Equations**

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.

*prereq: MATH 25000*

3 hrs 3 cr.

Chemistry
CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory. Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

Physics

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics
Examines experimental evidence and develops modern view of structure of atom and nucleus.

**PHYS 36000 - Atomic and Nuclear Physics for Engineers**

**PHYS 33500 - Intermediate Mechanics**

Study of laws of motion and coordinate systems; introduction to powerful analytical techniques.

**PHYS 36500 - Analytical Mechanics**

Technical Drawing

Other Courses

English

**ENGL 12000 - Expository Writing**

GER 1/A

Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

**Humanities and Social Sciences**

- 3-4 courses*** 9-12

Economics

**ECO 20000 - Principles of Economics: Microeconomics**

GER 2/B

May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

**ECO 20100 - Principles of Economics: Macroeconomics**

GER 2/B

May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.
Civil Engineering

Science Courses

Mathematics

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*

4 hrs 4 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

*prereq: grade of C or better in MATH 15000*

4 hrs 4 cr.

**MATH 25000 - Calculus with Analytic Geometry III**

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

*prereq: MATH 15500*

4 hrs 4 cr.

**MATH 25400 - Ordinary Differential Equations**

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.

*prereq: MATH 25000*

3 hrs 3 cr.

Chemistry

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

*Primarily for pre-med, medical laboratory sciences and science majors.*

*prereq or coreq: MATH 12500, 12600 or equiv.*

5 hrs (4 lec, 1 rec) 4 cr.
CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
**prereq:** CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
**prereq:** CHEM 10200
**coreq:** CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

Geology

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, “systems thinking”, the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab)4.5 cr.
*Offered fall and spring.*

Physics

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
**prereq or coreq:** coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
**prereq:** PHYS 11000 or 11100
**prereq or coreq:** (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.
PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100 or coreq: MATH 25000
4 hrs 4 cr.

PHYS 36000 - Atomic and Nuclear Physics for Engineers

Technical Drawing

Other Courses

English

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.

Humanities and Social Sciences

- 3-4 courses*** 9-12

Economics

ECO 20000 - Principles of Economics: Microeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

ECO 20100 - Principles of Economics: Macroeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

Electrical Engineering
Science Courses

Mathematics

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*
4 hrs 4 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
*prereq: grade of C or better in MATH 15000*
4 hrs 4 cr.

**MATH 25000 - Calculus with Analytic Geometry III**

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
*prereq: MATH 15500*
4 hrs 4 cr.

**MATH 25400 - Ordinary Differential Equations**

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
*prereq: MATH 25000*
3 hrs 3 cr.

Chemistry

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec) 4 cr.

Physics

**PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound**
GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs4 cr.

PHYS 36000 - Atomic and Nuclear Physics for Engineers

PHYS 33500 - Intermediate Mechanics

Study of laws of motion and coordinate systems; introduction to powerful analytical techniques.
prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs4 cr.

PHYS 36500 - Analytical Mechanics

Other Courses

English

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf3 cr.

Humanities and Social Sciences

- 3-4 courses*** 9-12

Economics
ECO 20000 - Principles of Economics: Microeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

ECO 20100 - Principles of Economics: Macroeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

Mechanical Engineering

Science Courses

Mathematics

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs 4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and
numerical methods, introduction to qualitative theory.

prereq: MATH 25000
3 hrs 3 cr.

Chemistry

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

Physics

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 1550
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 36000 - Atomic and Nuclear Physics for Engineers

Technical Drawing

Other Courses

English

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.

Humanities and Social Sciences

• 3-4 courses*** 9-12

Economics

ECO 20000 - Principles of Economics: Microeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

ECO 20100 - Principles of Economics: Macroeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.
Physics - BA

Major

One of the following 3 options (concentrations) may be taken.

- Physics Option 1
- Physics Option 2
- Physics Option 3

Graduate Study

The Department of Physics and Astronomy offers a number of advanced courses, listed in the graduate catalog, which give credit toward the degree of master of arts. Qualified undergraduate students may be admitted to these courses with the approval of the department chair.

Minor in Physics

A minor in Physics consists of a minimum of 12 credits of PHYS courses, including two courses numbered above 200 or one course numbered above 300.

Students who wish to enroll in the Physics Minor must have completed MATH 15000 and MATH 15500. The prerequisites for the 300-level courses include MATH 25000 and/or MATH 25400.

Honors Work

The opportunity for students to do individual research (experimental or theoretical) is offered in courses

PHYS 45300 - Introduction to Research

Independent theoretical or experimental research or independent study of approved topic.
prereq: PHYS 33000, 33400, 33500, and 42700 or perm chair
1-3 cr.

PHYS 45400 - Introduction to Research

Independent theoretical or experimental research or independent study of approved topic.
prereq: PHYS 45300 or perm chair
1 to 3 cr.

Articulation Agreements

Articulation Agreement for Queensborough AAS Degree in Laser Technology
An articulation agreement is in place for AAS graduates from Queensborough Community College with a degree in Laser Technology. Consult the physics department for further information.

Articulation Agreement with New York City College of Technology

An agreement is in place for students from New York City College of Technology (CUNY) who successfully complete an associate degree in science in Liberal Arts (LAS) with at least a 2.0 overall grade-point average to be accepted into the Hunter College BA program in Physics. Consult the physics and astronomy department for further information.

Physics - BA/MA

This special program for a limited number of well qualified students leads to a bachelor of arts and a master of arts degree. Students are offered the opportunity to quickly reach a level where they are competitive for admission into any doctoral program in physics. The program requires 124-126 credits (including the 30 credits required for a physics major BA degree and 30 credits from the graduate curriculum). Because this program requires a large number of physics courses, many of which have other physics courses as prerequisites, students in this program should begin taking physics courses in their first or second semester. Students should consult with the department chair, undergraduate adviser or graduate adviser for details as early as possible.

Physics Option 1

Return to Programs and Courses in Physics & Astronomy

For students in the BA/MA program, students intending to teach grades 7-12, and students intending to enter the medical profession. The requirements consist of 8 credits of introductory physics courses

PHYS 11100 and PHYS 12000 preferred

and a 22-credit concentration in physics courses at the 200 level and higher:

PHYS 22100
PHYS 22200
PHYS 33000
PHYS 33400
PHYS 23000
PHYS 23500
PHYS 33500

Additionally, 15-24 credits of allied courses (mathematics and chemistry) are also required. Together, the introductory physics and the Option 1 concentration (30 credit total) satisfy the major requirement for initial certification as a teacher of physics in grades 7-12. Option 1, together with the MA (see the Accelerated BA/MA Program in Physics), is recommended for students planning to pursue a PhD in physics.

Preparation for Teaching
The Option 1 major in physics satisfies the requirements for NY State initial certification of at least 30 credits for teachers in adolescent education: physics (grades 7-12). Students planning to become physics teachers at the secondary level should take the 23-credit sequence in secondary education.

Students preparing to teach physics are advised to include the following courses or their equivalents in their undergraduate program:

**MATH 25400 - Ordinary Differential Equations**

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
*prereq: MATH 25000*
3 hrs 3 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 10200*
*coreq: CHEM 10400*
8 hrs (6 lab, 2 rec) 3 cr.

**ASTRO 10100 - Basic Concepts of Astronomy with Laboratory Exercises**

GER 2/E with lab
An introductory, one-semester astronomy course designed for non-science majors. Topics include: basic observational features of the night sky, and their explanations; Kepler's laws of planetary motion; Newton's laws of motion and gravitation. Properties of light, and how it reveals the nature of its source. Origin, properties, and evolution of our solar system. The origin and evolution of stars, including giants, dwarfs, supernovae, neutron stars, and black holes. Structure of The Milky Way and other type of galaxies. Cosmology, Hubble's Law and the expanding universe, from the Big Bang to the present; future scenarios.
The lab consists of traditional hardware experiments and virtual online experiments. Students taking this course will be required to submit online and hard-copy laboratory reports.

5 hrs 4 cr.

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, “systems thinking”, the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.

6 hrs (3 lec, 3 lab) 4.5 cr.
Offered fall and spring.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

prereq: MATH 10100 or equivalent

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

Physics Option 2

Return to Programs and Courses in Physics & Astronomy

(Biophysics concentration) is recommended for students planning to pursue graduate studies and industrial R&D in biological related areas in physics, chemistry, bioengineering, and material sciences. This concentration is designed to allow the students to gain a solid foundation in physics and biology, together with a specially-designed course in biophysics which demonstrates the disciplinary interface between the two. The concentration requirements consist of courses in physics (26 cr), mathematics (12 cr), chemistry (15 cr) and biology (18 cr) and 8 credits of electives (at least 4 must be in physics).

Courses in Physics (26 credits)

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

prereq or coreq: coreq (with perm dept.): MATH 15000

8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics
GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics
Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 33400 - Intermediate Electricity and Magnetism
Electrostatics, currents, magnetism, and introduction to electromagnetic theory of light.
prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 33600 - Thermodynamics and Statistical Mechanics
Study of fundamental ideas of heat, reversibility, and entropy. Introduction to statistical nature of some physical laws.
prereq: PHYS 12000 or 12100; MATH 25000
4 hrs 4 cr.

PHYS 42000 - Introduction to Biophysics
A comprehensive introduction to the interface between physics and biology and the application of the techniques of physics to understanding biological systems, focusing on developing an understanding of the thermodynamics of living systems, on the physical kinematics of macromolecules and other biological structures and on the theory of physical techniques that are used in the study of biological systems.
prereq or coreq: PHYS 33000, PHYS 33600, BIOL 30000, CHEM 37600.
4 hrs 4 cr.

Mathematics (12 cr)

MATH 15000 - Calculus with Analytic Geometry I
GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II
GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.
MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs 4 cr.

Chemistry (15 cr)

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prerequisite for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prerequisite for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.
Biology (18 cr)

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

**BIOL 20000 - Cell Biology I: Microorganisms**

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.

$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

**BIOL 30000 - Biological Chemistry**

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.

$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

and 8 cr of electives

At least 4 credits must be in physics
Physics Option 3

Return to Programs and Courses in Physics & Astronomy

(Laser and fiber optics concentration) is recommended for those interested in a career in the telecommunications industry, as it includes a foundation in lasers and fiber optics.

Eight (8) credits of introductory physics are required

Recommended

**PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

*prereq or coreq: coreq (with perm dept.): MATH 15000*

8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

**PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.

*prereq: PHYS 11000 or 11100  
prereq or coreq: (with perm dept.): MATH 15500  
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.*

May be taken instead

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra.

*prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.  
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.*

**PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.

*prereq: PHYS 11000 or 11100  
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.*

No more than 8 credits toward the major can be obtained from these courses. It is recommended that the following be taken, if the PHYS 110-120 sequence is taken instead of the PHYS 111-121 sequence.
PHYS 19000 - Tutorial in Mathematical Physics

Applications of differential and integral calculus to selected topics chosen from the major subfields of physics. Completion of this course and its prerequisites is equivalent to completion of the calculus-based general physics sequence, PHYS 11100 and 12100.

prereq: MATH 15500, PHYS 12000

3 hrs (2 lec, 1 rec) 2 cr.

(15 cr) are required in addition to one year of high school chemistry or college chemistry

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.

4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000

4 hrs 4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

prereq: MATH 15500

4 hrs 4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.

prereq: MATH 25000

3 hrs 3 cr.

All four courses of the sequence are required

No more than 4 credits of the sequence PHYS 231-234 may be used toward the major.

PHYS 23100 - Fundamentals of Laser and Fiber Optics

GER 3/B
Topics in optics related to lasers and optical fiber and devices for modulating and directing signals from such devices.

prereq: PHYS 12000 or 12100 or equiv; MATH 12500
5 hrs4 cr.

**PHYS 23200 - Laser and Electro-Optics Technology**

GER 3/B
Wave optics, interference, coherence, polarization, birefringence, diffraction, gratings in two and three dimensions, power and energy measurements, basics of laser safety, ultra-fast pulse technology measurements, basics of laser safety, ultra-fast pulse technologies, electro-optics and acoustooptics switches, optical materials, non-linear optics. Laboratory complements classwork.

prereq: PHYS 23100
7 hrs5 cr.

**PHYS 23300 - Laser Electro-Optics Devices, Measurements and Applications**

GER 3/B
Laser as a device, principle of operation, cavity modes and their control (tuning elements, Q switching, mode-locking) and detection, laser design, types of lasers, includes discussion of laser types for medical, ranging and tracking, material processing, pollution monitoring, and optical memory applications, semiconductor laser. Laboratory complements class work.

prereq: PHYS 23100
6 hrs4 cr.

**PHYS 23400 - Fiber Optics Devices, Measurements, and Applications**

GER 3/B

prereq: PHYS 23100
6 hrs4 cr.

**Political Science**

**About the Department**

Political science deals with the political, social, economic, and cultural arrangements through which people govern their lives. It attempts to interpret the past, explain the present, and often dares to draw images of the future. As a discipline, political science bridges several fields: the evolution of political thought and debates about contested political ideas today; comparing different types of political systems and how they meet familiar political challenges; the use of power and influence by states and other actors to achieve their goals cooperatively or competitively with important consequences for the security, prosperity and well-being of societies around the world; and the relationship, past and present, between the American people and their governing institutions.

Students will find courses on:
a) the ideas of great thinkers from Plato to the present;
b) forms of popular political participation and engagement;
c) the causes of war and peace;
d) democratic and authoritarian political systems;
e) international political economy; f) women and politics;
g) American institutions ranging from the presidency to the courts;
h) International and U.S. constitutional law; i) important areas of public policy such as immigration;
j) and the political systems of countries in Latin America, Europe, Asia, Africa, and the Middle East.

Political science explores large and vital questions about democracy, justice, peace, participation, power, leadership, security, development, human rights, and more.

A large number of political science majors choose some branch of public service upon completing their bachelor’s degrees, often building upon internship experiences they have had as Hunter students. Graduates have pursued careers in government within the United States and some go into teaching. Others enter business. Some work in journalism. Still others enter politics or go on to law school or graduate training.

Political science, therefore, prepares students for a variety of career opportunities as well as for a lifetime of active citizenship.

Programs and Courses

Programs and Courses in Political Science

Administration and Faculty

Department Office:

1724 West
(212) 772-5500
Web site: http://www.hunter.cuny.edu/polisci/

Chair:

Charles Tien
1724A West
(212) 772-5494
Polsci@hunter.cuny.edu

Faculty

Political Science Faculty

HEGIS Code 2207

Political Science - BA

Major
30 cr for students declaring after September 1, 2009

Majors are required to take at least one course in each of the four following subfields of the discipline: American government, political theory, comparative politics and international relations. Students may distribute their remaining courses in the major as they see fit. However, students contemplating graduate work are encouraged to specialize appropriately in consultation with the department’s faculty members. One political science course used to satisfy Stage 1 (Like POLSC 11000) and one political science course used to satisfy Stage 2 (like POLSC 20000) of the Core Requirement of the GER may also be used to satisfy the major requirement. Majors may not use a political science course to satisfy Stage 3, unless they have a double-major.

For students declaring after September 1, 2009, no more than two introductory (100-level) courses can be applied toward the major. Majors must complete at least three courses at the 300-level or above in any subfield.

No more than 6 credits in internship, independent study, and/or experiential courses (such as Model United Nations) may be used to satisfy the 30 credits in the major. Also, such credits may not be used to satisfy the distribution requirements in the four fields. Courses taken for Credit/No Credit may not be applied toward the major.

Minor in Political Science

Students minoring in political science must complete 12 credits in political science. No more than three credits can be at the 100-level. No more than three credits in independent study can be used to satisfy the minor. Internship credits may not be applied toward the minor.

Interdepartmental Fields

Political Science department faculty are actively involved in many interdisciplinary programs at Hunter College. Students who want to do work in political science as part of the following interdepartmental programs should refer to the appropriate programs in this catalog.

Asian American Studies Minor ,

Human Rights,

Jewish Studies - BA ,

Latin American and Caribbean Studies - BA ,

Public Policy

Women and Gender Studies - BA

Honors

To complete the requirements for departmental honors in Political Science at graduation, students must have at least 30 credits in Political Science and be eligible for graduation in the semester that they formally complete department honors. At least 21 of these credits (or in exceptional cases, 18) must be taken in the Political Science Department at Hunter College. In the case of transfer students, the student’s faculty supervisor must recommend an exception to this policy; however, in no case should a student who has taken fewer than 15 credits in academic coursework (excluding internships or other experiential education courses) in political science at Hunter College be recommended for departmental honors.
In addition, students must 1) have a GPA in the major of not less than 3.5; 2) have completed at least two credits (but not more than 6) in coursework specifically designated for honors (POLSC 492xx); 3) work on the thesis with one Supervisor who must be a full-time political science faculty member.

The thesis should be a major paper of approximately 25 pages in length that reflects serious scholarship in an honors course. Students should enroll in POLSC 49202-49203 under the supervision of a faculty member with whom the student has done prior coursework and who has agreed to supervise the student’s honors project. Students seeking to graduate with departmental honors should begin to plan the sequence of honors work at least two semesters in advance of their expected graduation date.

Approval for Honors will come from the Supervisor. Once students have received the approval of the Sponsor, the thesis can be submitted for departmental honors. Successful completion of departmental honors includes a formal presentation of the thesis to the Honors Committee. Final papers must be deposited in the department office.

Pi Sigma Alpha

Students interested in joining this honor society should consult with Professor Leonard Feldman, 1702 Hunter West, (212)396-6246, lfeldman@hunter.cuny.edu.

Writing Corequisite and Prerequisites

Introductory, intermediate and advanced political science courses require significant expository writing and ENGL 12000 as a co- or prerequisite. To assure that students are ready for these courses, they should be enrolled in ENGL 12000 (or its equivalent) or have successfully completed the course. For all 100-level courses, ENGL 12000 (or its equivalent) is a prerequisite or co-requisite; for all 200-level, 300-level and 400-level courses, ENGL 12000 (or its equivalent) is a prerequisite.

Seminar/Internship Program in New York Government

This university-wide program is designed to bridge the gap between academic study and the practical world of government. Each year approximately 300 students are selected as CUNY interns. Hunter College students participate by enrolling in POLSC 22200/22300. Interns spend eight to ten hours a week in agencies, political offices or community groups working on administrative or research assignments related to urban affairs and services.

They attend a weekly classroom seminar at Hunter and monthly meetings of the entire program at the CUNY Graduate School. Prominent government officials, political leaders, community representatives and academic experts participate in both the weekly and monthly meetings. Students are advised to have taken prior coursework in American politics and to have at least a 3.0 GPA prior to being admitted to this program. For further information, consult the Department of Political Science.

Other Internships

Students may wish to consider internships in any field of political science, and receive credit through POLSC 29801-29806. The department does not offer internship credits to students in their first semester at Hunter College or to students who have never taken a political science course at Hunter. Up to 6 credits in internship work (POLSC 29801-29806) may be used to satisfy requirements for the major. As a general rule, a student who takes POLSC 29801-29806 must be supervised by a full-time faculty member with whom the student has done prior coursework and who has agreed to supervise the student’s internship. Additional internship credits may be used as electives toward graduation.

Preparation for Graduate Study
Many political science majors go on to graduate study. Students considering graduate work should consult members of the political science faculty.

**Awards and Prizes**

The Political Science Department confers recognition on its outstanding graduates through prizes and awards. The Katherine Duffy Prize and The Edgar Dawson Prize are presented annually to graduating political science majors.

**Scholarships**

The Political Science Department may award the Joan Pincus Scholarship to students majoring in political science who have achieved at least sophomore status, have an excellent academic record and have demonstrated financial need. For additional information, see the department chair or a departmental adviser.

**Psychology**

**About the Department**

Psychology is concerned with all aspects of the study of behavioral, developmental and cognitive processes and employs a broad spectrum of approaches, from the social to the biological, to understand them. The Hunter College psychology program reflects the diversity of psychology as a science and a profession. Course offerings range from clinical, social and developmental psychology to experimental psychology, ethology, biopsychology and behavioral neuroscience.

Although Psychology is a large department, students have personal contact with faculty members through an extensive advisement system, involvement in departmental activities and committees, supervised field placement and participation in research laboratories under the guidance of faculty mentors as part of our independent study, honors, COR (Career Opportunities in Research and Education), MARC (Minority Access to Research Careers), MIDARP (Minority Institutional Drug Abuse Research Development Program) & MBRS (Minority Biomedical Research Support) programs.

A broad range of applied and research opportunities are available within the department in developmental psychology, social psychology, human adjustment, animal behavior, physiological psychology and abnormal psychology. Departmental affiliations with mental health and community organizations make it possible for students to integrate their academic studies of personality, abnormal and child psychology with supervised practical experience by means of field placements and opportunities for applied research.

The faculty and facilities of the CUNY doctoral program in Biopsychology and Behavioral Neurosciences and master’s program in General Psychology or in Animal Behavior and Conservation are integral parts of the Hunter College psychology program. These programs provide course concentrations in a number of different areas within psychology and offer undergraduate students research and other opportunities to interact with graduate students. Qualified students in their last semester may be admitted to graduate courses with the approval of the instructor and the department’s graduate adviser.

The psychology major, as part of the bachelor’s degree program, prepares the student for many career possibilities in psychology, education, social and welfare services, health services and industry and fulfills the course requirements for entering most psychology graduate programs. A background in psychology combined with special training in other
disciplines within the college may be especially useful in preparing for careers in human resources, medicine, law, nursing, speech pathology, social work, special education, counseling and music, art and dance therapy.

Our undergraduate and graduate advisers provide students with additional guidance and information regarding career opportunities and graduate study.

Programs and Courses

Programs and Courses in Psychology

Administration and Faculty

Department Office:

611 North
(212) 772-5550
Web site: http://www.hunter.cuny.edu/psychology

Chair:

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611 North
(212) 772-5550
vanya.quinones@hunter.cuny.edu

Faculty

Psychology Faculty

HEGIS Code: 2001

Psychology - BA

Special Programs

Field Placement Program

Offered for one semester (PSYCH 30600) or as a 2-semester sequence, Psychological Services I and II (PSYCH 30600 and PSYCH 30700) give enrolled students practical supervised career experience one day per week in an approved mental health or community service setting in conjunction with a class that meets once each week. Students may also gain field experience in conjunction with academic work through Independent Study (PSYCH 20100) with a faculty sponsor. Permission of the instructor is required for these courses and students should start making arrangements by the preceding term before they plan to take the course (e.g., midspring for the fall term). The undergraduate adviser can inform students of the instructor who will be teaching PSYCH 30600 and PSYCH 30700, for which field placement referrals are made by the instructor. Students wishing to take PSYCH 20100 in conjunction with a field experience
should meet with the college internship coordinator (by appointment in Career Development, Room 805 Hunter East) and with prospective faculty sponsors.

The COR Program (Career Opportunities in Research and Education)

The departments of psychology, anthropology and sociology jointly offer a program called COR (Career Opportunities in Research and Education). This interdisciplinary research training program for academically talented minority juniors and seniors is funded by the National Institute of Mental Health. Participants receive a monthly stipend and are granted tuition and fee remission. Students take a special curriculum and get individualized research training in a variety of areas under the supervision of a faculty mentor. The program has several levels of participation and underrepresented minority students, especially sophomores, intending to pursue a research-related career in the participating disciplines are urged to apply to the program. Additional details and descriptive literature are available from the COR program director, Professor Regina Miranda regina.miranda@hunter.cuny.edu, (212) 772-4809, or Judith Diaz-Minaya, program manager (uddiaz@hunter.cuny.edu, (212) 772-4562).

The MIDARP Program (Minority Institutional Drug Abuse Research Development Program)

The overall goal of MIDARP is to develop the capacity of Hunter College to support drug abuse research through the following objectives: (1) provide underrepresented minority faculty with drug abuse research knowledge and skill development through the conduct of research projects and other professional development activities, (2) encourage underrepresented minority students to pursue drug abuse research careers by providing them with educational enrichment and research experiences; and (3) strengthen the underlying institutional infrastructure needed to support drug abuse research. Undergraduate students supported by MIDARP are highly qualified students from underrepresented populations. They must be interested in pursuing careers in drug abuse research and in working in the laboratory of a MIDARP investigator.

Exemptions

A student may be exempt from PSYCH 10000 by earning a score of 4 or 5 on the Advanced Placement Test taken in conjunction with a high school course in psychology or by passing the CLEP examination (College Level Education Program). Exemption from Child Psychology (PSYCH 21000) may be earned by a passing grade on the CLEP examination in Developmental Psychology. CLEP examinations are given at various testing centers. Interested students can obtain information and application forms at http://www.collegeboard.com or by contacting the Office of Student Services. A passing grade on either CLEP examination provides 3 credits. Information on exemption from the mathematics course requirement and on test administration is available from the Testing Center, North 150 (http://admissions.hunter.cuny.edu/Testing.htm).

The Psychology Major

Preparation

The psychology major is designed to provide students with training in both the evaluation and the generation of research data. For this reason, the core sequence of Psychological Statistics and Experimental Psychology is central to the program and is a prerequisite for all upper-level psychology courses. Performance in the Psychological Statistics/Experimental Psychology sequence will be greatly facilitated by proper preparation in mathematics and laboratory science and the development of excellent writing skills.

PSYCH 24800 - Statistical Methods in Psychological Research
GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or or appropriate score on math placement exam
coreq: Writing Intensive
4 hrs

PSYCH 24900 - Experimental Psychology: Social

GER 3/B
Introduction to the principles of research methodology and experimental techniques. Required research reports involve laboratory and field exercises concerned with a variety of social psychological phenomena. (Students may take either PSYC 249 or 250, but not both.)

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade;
PSYC 24800 with a minimum grade of C
prereq or coreq: Writing Intensive
6 hrs (2 lec, 4 lab)

PSYCH 25000 - Experimental Psychology: General

GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade;
PSYC 24800 with a minimum grade of C
prereq or coreq: Writing Intensive
6 hrs (2 lec, 4 lab)

Course of Study

Completion of ENGL 12000 prior to declaration of the major in psychology is strongly recommended. ENGL 12000 is a pre or co-requisite for all 200-level classes below 24900. For any classes numbered 24900 and above, ENGL 12000 is a prerequisite. Students whose career goals include professional work in psychology, social work, or counseling should take the following courses, as appropriate. Note that each may be used only once to satisfy major requirements.
PSYCH 20100 - Independent Study in Psychology

May be applied to major once. Designed to meet the needs of individual students under the direction of a particular faculty sponsor. The course may involve independent readings, tutorials, work as an advising assistant or peer counselor, field placement, an individual research project, or participation in ongoing faculty research, any of these culminating in a written report.

prereq: PSYCH 10000 and any other 3 cr PSYCH course, perm dept.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 30600 - Seminar in Psychological Services I (A)

Open to declared majors only. An integration of personality and abnormal psychology, the helping process and the role of the helper. Seminar and one day per week placement in mental health/community service setting.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000, PSYCH 2200 or 32300, PSYCH 24900 or 25000, perm instr.
8 hrs 4 cr.

PSYCH 30700 - Seminar in Psychological Services II (A)

Integration of personality and abnormal psychology. Seminar and one day per week placement in mental health/community service setting.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000, PSYCH 30600, perm instr.
3 hrs 3 cr.

PSYCH 39500 - Independent Research in Psychology

May be applied to the major once. Designed to meet the needs and interests of individual students under the direction of a particular instructor at a more advanced level than PSYCH 20100. Such study may involve independent reading, tutorials, independent research projects, or participation in ongoing faculty research, any of these culminating in an APA-style research report or literature review. Field Placements (internships) cannot be granted credit as PSYC 39500; however, supervised field Placement taken in conjunction with PSYCH 36100 - Psychological Tests (A) will be granted credit as PSYC 395.

prereq: ENGL 12000, PSYCH 24900 or 25000, perm instr.
3 hrs 3 cr.

OR

PSYCH 39600 - Honors in Psychology

Independent, sponsored, empirical research and seminar. Students are expected to attend the regularly scheduled seminar. An APA-style research report or its equivalent (to be filed in the department) is a requirement of this course. To graduate with departmental honors, the student must receive a grade of A in PSYCH 39000. Honors in Psychology
is typically a one-semester course; however, when a PSYCH 39600 research project extends beyond a single semester, the student may (with permission) register for a second semester as PSYCH 39800. If taken, the student must receive a grade of A in both PSYCH 39600 and 39800 to graduate with departmental honors.

**prereq:** ENGL 12000. PSYCH 24900 or 25000; 3.5 major GPA; 3.00 cumulative GPA; perm instr. 3 hrs 3 cr.

## Declaration of Major

To declare a psychology major, the student must have completed Introduction to Psychology PSYCH 10000 and any other 100-level psychology course with a minimum grade of B, a required mathematics course with a minimum grade of C or CR and have a minimum GPA of 2.00. The mathematics requirement may be satisfied by the following, or by earning exemption from the mathematics requirement. The major must be declared in person with an undergraduate psychology adviser. (Refer to website http://hunter.cuny.edu/psychology for schedule.) The student must bring his/her Hunter transcript (and where relevant, transcripts from all other colleges attended) when meeting with the adviser to declare a psychology major.

## STAT 11300 - Elementary Probability and Statistics

GER 1/B

Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

**prereq:** MATH 10100 or appropriate score on placement exam
**prereq or coreq:** ENGL 12000

3 hrs 3 cr.

-or-

## MATH 12500 - Precalculus

GER 1/B

Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.

**prereq:** grade of C or better in MATH 10100 or appropriate score on placement exam

4 hrs 4 cr.

## Psychology Major

The major consists of 26 credits in psychology above the 100 level, including PSYCH 24800 - Statistical Methods in Psychological Research and PSYCH 24900 - Experimental Psychology: Social or PSYCH 25000 - Experimental Psychology: General. The major also requires at least one course in each of the following content areas:

- applications of psychology;
- biopsychology;
- cognitive processes;
- and developmental/social psychology.
(If a course meets requirements for more than one content area, the student may apply the course to only one of them.) All of the content-area courses must be at or above the 200 level and at least 2 of the content-area courses must be at or above the 300 level. Two additional (elective) courses in psychology, at the 200 level or higher, must be completed. Two semesters of laboratory science must also be completed. (See the Science Requirement for Graduation below.)

Qualified undergraduates in their last semester may register for graduate-level psychology courses with the permission of the instructor and the graduate adviser. Most psychology majors intending to attend graduate school take more than the minimum 26 credits in psychology and design their course of study in close consultation with a faculty mentor. Students should obtain a copy of “Psychology Major Requirements and Policies” from the undergraduate advising office as soon as they declare the major for up-to-date information on department resources, activities and faculty research interests.

Beginning in the spring 1998 semester, psychology courses taken on a Credit/No Credit basis may not be applied toward the major; PSYCH 24800, PSYCH 24900, PSYCH 25000 may not be taken on a Credit/No Credit basis.

Courses Taken on Permit and Courses Transferred into Hunter

Once the psychology major is declared, students may not take any psychology course that they wish to count toward the major on permit at another college. In contrast, psychology courses that were taken before the student enrolled at Hunter and that are deemed equivalent to a Hunter College course may count toward the major. The assessment of course equivalency is made by the Office of Admissions and by the undergraduate psychology advising office.

Prerequisites

Course prerequisites are strictly enforced. Students are responsible for meeting all course prerequisites, including satisfactory completion of courses in progress at the time of enrollment. Students enrolling in courses without necessary prerequisites will be dropped from the class by the registrar. The department screens for prerequisites and students may be dropped after the course begins. (See specific prerequisites for each course in Course Listings section.)

Prerequisites for PSYCH 24800 - Statistical Methods in Psychological Research. All students must have received at least a C or CR in STAT 11300 or MATH 12500 or earned mathematics exemption and must have declared psychology as their major in the Psychology Department Advising Office at Hunter.

Prerequisites for PSYCH 24900 - Experimental Psychology: Social and PSYCH 25000 - Experimental Psychology: General. All students must be declared Psychology majors and have passed ENGL 12000 with C or higher, STAT 11300 or MATH 12500 with C or higher (or earned mathematics exemption), PSYC 24800 with C or higher, and 1 semester of laboratory science (see Science Requirement for Graduation, below).

As of fall 2011, only PSYCH 25000 will be offered

Science Requirement for Graduation

In order to graduate, psychology majors must have completed two semesters in laboratory science that were approved by the department. Students must take at least one semester of laboratory science before taking PSYCH 24900 or PSYCH 25000. Students may complete the laboratory science courses at any point in their studies, and the courses need not be taken in sequence. The science requirement may be met by any of the following courses, all of which meet the General Education Requirement Stage 2/E, Laboratory Science, requirement:

ANTHP 10100 - Human Evolution

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics,
comparative primate biology, the fossil record, and modern human variation.

ANTHP 10200 - Human Variation

GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.

5 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

ASTRO 10100 - Basic Concepts of Astronomy with Laboratory Exercises

GER 2/E with lab
An introductory, one-semester astronomy course designed for non-science majors. Topics include: basic observational features of the night sky, and their explanations; Kepler’s laws of planetary motion; Newton's laws of motion and gravitation. Properties of light, and how it reveals the nature of its source. Origin, properties, and evolution of our solar system. The origin and evolution of stars, including giants, dwarfs, supernovae, neutron stars, and black holes. Structure of The Milky Way and other type of galaxies. Cosmology, Hubble's Law and the expanding universe, from the Big Bang to the present; future scenarios.

The lab consists of traditional hardware experiments and virtual online experiments.
Students taking this course will be required to submit online and hard-copy laboratory reports.

5 hrs 4 cr.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 12000 - Anatomy and Physiology I
Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.

Not accepted for credit toward the biology major.

prereq: CHEM 10000, 10100
coreq: CHEM 12000, 12100

6 hrs (3 lec, 3 lab)4.5 cr.

fall only

**BIOL 12200 - Anatomy and Physiology II**

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.

Not accepted for credit toward the biology major.

prereq: BIOL 12000 or equiv.

6 (3 hrs lec, 3 hrs lab)4.5 cr.

spring only

**BIOL 12500 - Human Biology**

GER 2/E

An introductory laboratory course for non-biology majors. Explores the biology that underlies current health and disease topics (including diabetes, cancer, sexually transmitted diseases, nutrition). Using a topics approach, the course provides a survey of human anatomy and physiological function, along with the biological principles of genetics and cellular interactions that comprise our current understanding of the human organism. Laboratory exercises will introduce students to a scientific approach in studying human disease and physiology. The credits from this course will not count towards the Biology Major.

6 hrs4.5 cr.

**CHEM 10000 - Essentials of General Chemistry Lecture**

GER 2/E

Essential facts, laws, and theories of general chemistry.

_Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students._

4 hrs (3 lec, 1 rec)3 cr.

**CHEM 10100 - Essentials of General Chemistry Laboratory**

GER 2/E

Experiments designed to illustrate fundamental laws and techniques of general chemistry.

_Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students._

prereq or coreq: CHEM 10000

4 hrs (3 lab, 1 rec)1.5 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E

In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

_Primarily for pre-med, medical laboratory sciences and science majors._

prereq or coreq: MATH 12500, 12600 or equiv.

5 hrs (4 lec, 1 rec)4 cr.
CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primary for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10500 - General Chemistry Laboratory II

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.
Offered for transfer students who have completed only one semester of General Chemistry Laboratory.
prereq: One semester of General Chemistry Laboratory.prereq or coreq: CHEM 10400
4 hrs (3 lab, 1 rec)1.5 cr.

CHEM 11100 - Chemical Principles

GER 2/E
In-depth introduction to chemical principles including measurement, stoichiometric calculations, inorganic nomenclature, gas laws, equilibrium, acids, bases and buffers. Emphasis is placed on problem-solving, oral presentations, and collaborative work. Laboratory and coursework emphasize analysis and evaluation of data.
Primary for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500 or equiv, MATH 12600
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5
offered fall

CHEM 11200 - Thermodynamics and Solution Chemistry

GER 2/E
The study of quantum theory, atomic structure, periodic properties of the elements, kinetics, electrochemistry, and thermodynamics.
Primary for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 11100
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5 offered spring

CHEM 12000 - Essentials of Organic Chemistry Lecture

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10000
4 hrs (3 lec, 1 rec)3 cr.

CHEM 12100 - Essentials of Organic Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10100
prereq or coreq: CHEM 12000
4 hrs (3 lab, 1 rec) 1.5 cr.

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab) 4.5 cr.
Offered fall and spring.

GEOL 10200 - Plate Tectonics and the Earth's Evolution

GER 2/E
The second course in geology offered to non-geology majors. It is designed to familiarize students with the main concepts used in deciphering and interpreting earth’s evolution from the spatial and temporal perspective. Topics to be covered include: geologic time; geological principles; earth materials as recorders of past geologic processes; depositional environments and sedimentary rock record; igneous and metamorphic geologic environments and their rock records; evolution of the solar system; plate tectonics and life on earth; origin of the universe; life on earth and the fossil record; Precambrian, Paleozoic, Mesozoic, and Cenozoic life, history and tectonics. Field trips may be required; transportation fee.
prereq: GEOL 10100
5 hrs (3 lec, 2 lab) 4 cr.
Offered fall.

PGEOG 13000 - Weather and Climate

GER 2/E
Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.
5 hrs (3 lec, 2 lab) 4 cr.
Offered in the Fall and Spring

PGEOG 23100 - Physical Geography II: Principles of Geomorphology

See GEOL 23100

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.
PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.

prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

Additional Information

For transfer students, the laboratory science requirement may be met by courses taken at previous institutions only if they have been assigned the Hunter College course numbers in the above list. Transfer students should check with the psychology adviser after their courses have been formally evaluated by Hunter College to determine whether the science requirement has been met.

Note: Students who declared a psychology major before January 1, 1998 are exempt from the science requirement within the Department of Psychology.

Minor

As of the spring of 2009, Hunter no longer requires that students have a minor. Those students wishing to do a minor should go directly to the department in which they are interested in doing a minor and declare it with that department.

Minor in Psychology

Declaring a Minor in Psychology

The minor in psychology is designed to expose students to a variety of content areas in the field of psychology and to provide the student with the ability to evaluate psychological research as a consumer.

To declare a psychology minor, the student must have completed PSYCH 10000 and any other 100-level psychology course with a minimum grade of C and a required mathematics course with a minimum grade of C or CR. The mathematics requirement may be satisfied by STAT 11300 or MATH 12500, or by an appropriate score on the mathematics placement test.

The minor in Psychology consists of 15 credits in Psychology as follows:

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs3 cr.
100 and any other 3cr. 100 level PSYCH course

PSYCH 21500 - Introduction to Research Methods in Psychology (W)
GER 3/B
Evaluation of published research; research principles and the concepts which underlie them; how to evaluate and select research strategies.

prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

and any two 200-level PSYCH courses.

The total number of credits to fulfill all minor requirements, including credits for all prerequisites is 18. Fifteen credits in PSYCH courses and 3 credits in STAT 113 or MATH 125.

Concentration

- Psychology: Concentration in Behavioral Neuroscience

Psychology: Concentration in Behavioral Neuroscience

Purpose

The Behavioral Neuroscience Concentration within Psychology provides interdisciplinary training for students preparing for academic or professional careers in neuroscience-related areas. The concentration brings together students from Psychology and Biology in a set of core courses and offers mentored research experience in faculty laboratories, opportunities for student research presentations and talks by distinguished visiting neuroscientists. The neuroscience concentration is a particularly good option for students who plan to do graduate study in neuroscience or neuroscience-related fields or attend medical school for neurology, neurosurgery, or psychiatry specialties. Because of the large number of required courses in the concentration, it is very important that interested students meet with the concentration adviser as early in their college career as possible—no later than the start of their Sophomore year. The concentration adviser is Prof. Philip Zeigler, (212) 772-5363; Room 626 Hunter North.

Admission Requirements

Admission is by application at the end of the sophomore year. Applicants will need to have completed or be currently taking the following courses with a minimum GPA overall of 3.0 and of 3.5 in the major. Selection will be based upon a combination of grades and an interview, and the identification of a faculty sponsor in whose laboratory the student’s research will be carried out. Application forms and names of faculty contacts may be obtained from the Psychology adviser’s office.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II
GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs3 cr.

PSYCH 18000 - Brain and Behavior

GER 2/B
Brain structure, function and relation to behavior. Topics include the neural basis of perception, learning and memory, consciousness, motivation, emotion.
prereq: PSYC 10000
3 hrs3 cr.

PSYCH 24800 - Statistical Methods in Psychological Research

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
Course Requirements for the Undergraduate Concentration in Behavioral Neuroscience

In addition to completion of the psychology major and the introductory sequences in chemistry and biology, students in the concentration will take the introductory course in calculus, additional courses in biology and chemistry and an interdisciplinary Behavioral Neuroscience Seminar. A year of laboratory research is required and an undergraduate thesis based on this research will be eligible for consideration for Departmental Honors. Completion of the concentration meets the requirements for the minor in Biology. For continuation in the concentration, students must maintain the GPA required for entry.

Required Courses/Credits

**PSYCH 10000 - Introduction to Psychology**

GER 2/B  
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.  
3 hrs 3 cr.

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D  
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.  
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.  
prereq: MATH 10100 or equivalent  
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.  
fall only

**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D  
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.  
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.  
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.  
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.  
spring only

**CHEM 10200 - General Chemistry I**
GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10500 - General Chemistry Laboratory II

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis. Offered for transfer students who have completed only one semester of General Chemistry Laboratory.
prereq: One semester of General Chemistry Laboratory; prereq or coreq: CHEM 10400
4 hrs (3 lab, 1 rec)1.5 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications. 
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

PSYCH 18000 - Brain and Behavior

GER 2/B
Brain structure, function and relation to behavior. Topics include the neural basis of perception, learning and memory, consciousness, motivation, emotion.
prereq: PSYC 10000
3 hrs3 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms. 
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

PSYCH 24800 - Statistical Methods in Psychological Research

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a
psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or or appropriate score on math placement exam
coreq: Writing Intensive

PSYCH 25000 - Experimental Psychology: General

GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade;
PSYCH 24800 with a minimum grade of C

prereq or coreq: Writing Intensive
4 hrs4 cr.

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.

$10 materials fee required.

prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

PSYCH 39600 - Honors in Psychology

Independent, sponsored, empirical research and seminar. Students are expected to attend the regularly scheduled seminar. An APA-style research report or its equivalent (to be filed in the department) is a requirement of this course. To graduate with departmental honors, the student must receive a grade of A in PSYCH 39000. Honors in Psychology is typically a one-semester course; however, when a PSYCH 39600 research project extends beyond a single semester, the student may (with permission) register for a second semester as PSYCH 39800. If taken, the student must receive a grade of A in both PSYCH 39600 and 39800 to graduate with departmental honors.

prereq: ENGL 12000. PSYCH 24900 or 25000; 3.5 major GPA; 3.00 cumulative GPA; perm instr.
3 hrs3 cr.

PSYCH 39800 - Honors in Psychology

Independent sponsored research and seminar. Attendance at regularly scheduled seminar and research report required. If taken, the student must receive a grade of A in both PSYCH 39600 and 39800 to graduate with departmental honors.
prereq: PSYCH 39600, perm instr.
3 hrs 3 cr.

BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 300
3 hrs (lec) 3 cr. per sem.

Electives

(9 credits, at least 3 of which must be Biology)

PSYCH 30000 - Physiological Psychology (B)

GER 3/B
Neural and endocrine mechanisms involved in learning, emotion, perception and other psychological processes.
PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 30100 - Sensation and Perception (B; C)

GER 3/B
Open to declared majors only. Methods, theories and empirical data relating to stimulus detection, encoding and perception as a function of variables including current stimuli and past history.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 30900 - Sex and Behavior (B; D/S)

GER 3/B PD/C
Research and attitudes about sex-related behavior in human and nonhuman animals emphasizing evolutionary and neuroendoiniological processes and social-psychological processes; male-female differences and similarities, therapeutic strategy in sex-behavior pathology and sexual behavior and the law.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
**PSYCH 32700 - Motivation (B; C)**

GER 3/B
The problem of how behavior is initiated, maintained, directed and terminated. Human and non-human research evaluated.

*PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

**PSYCH 36900 - Drugs and Behavior (B)**

GER 3/B
Neurochemical substrate of brain functioning; historical context and social ramifications of drug use.

**BIOL 37000 - Physiology of the Nervous System**

GER 3/B
A comprehensive introduction to neuroscience. Topics include how nerve cells (neurons) transmit electrical impulses, how neurons communicate with each other through synapses and how nerve pathways and networks determine many functions of the brain. The last portion of the course shall explore how developing neurons seek out targets and establish synapses.

**BIOL 37600 - Endocrinology**

GER 3/B
Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of metabolism and reproduction; integration of endocrine responses by the central nervous system.

**BIOL 38000 - Molecular Neurobiology**

GER 3/B
Molecular components and molecular mechanisms involved in the cell biology of neurons and glia, neuronal signaling, neuronal development, learning, memory and diseases of the nervous system.
Public Policy

About the Program

The Program in Public Policy is an 18-credit undergraduate minor open to students in all disciplines. Students also have an option to pursue 9 additional credits (for a total of 27 credits) to receive a Certificate in Public Policy upon graduation. The Roosevelt House program is based on the understanding that the preparation of informed citizens is essential to a healthy democracy and an important aspect of a liberal arts education. Unlike most graduate programs in public policy that are designed to prepare people for careers in the public and nonprofit sectors, the undergraduate program at Roosevelt House provides students with knowledge and skills that enable them to be active participants in a democratic society. Many of its graduates will undoubtedly go on to careers in the public and nonprofit sectors. Capable citizenship, however, is required in all walks of life; therefore the program can benefit all students regardless of their stated major, career goals, or personal objectives. To enroll in the public policy minor (18 credits) or certificate (27 credits), a student must have completed at least 45 credits of undergraduate study, with a minimum G.P.A. of 3.0.

Courses

Courses in Public Policy

Administration and Faculty

Director:

Joseph P. Viteritti
(212) 772-5597
jviter@hunter.cuny.edu

Faculty

Public Policy Faculty

Public Policy

The Program in Public Policy is an 18-credit undergraduate minor open to students in all disciplines. Students also have an option to pursue 9 additional credits (for a total of 27 credits) to receive a Certificate in Public Policy upon graduation. The Roosevelt House program is based on the understanding that the preparation of informed citizens is
essential to a healthy democracy and an important aspect of a liberal arts education. Unlike most graduate programs in public policy that are designed to prepare people for careers in the public and nonprofit sectors, the undergraduate program at Roosevelt House provides students with knowledge and skills that enable them to be active participants in a democratic society. Many of its graduates will undoubtedly go on to careers in the public and nonprofit sectors. Capable citizenship, however, is required in all walks of life; therefore the program can benefit all students regardless of their stated major, career goals, or personal objectives. To enroll in the public policy minor (18 credits) or certificate (27 credits), a student must have completed at least 45 credits of undergraduate study, with a minimum G.P.A. of 3.0.

Minor in Public Policy

An 18-credit undergraduate minor in public policy is open to students in all disciplines.

Core Requirements

**PUPOL 10000 - Introduction to Public Policy**

An interdisciplinary introduction to public policy utilizing the literature and tools of a variety of social science disciplines. This course introduces students to basic concepts and approaches in public policy. It will acquaint students with public policy as a field of study, the basic elements of the policy making process, and distinct modes for analyzing public policy and its outcomes. It will be team-taught by faculty from at least two related social science disciplines.

Writing Requirements: This course will require 20 to 25 pages of writing in the form of two take home essay examinations (4-5 pages each), a proposal for a final paper (3-5), and a final paper (8-10 pages).

*Open only to students enrolled in the program. Cannot be used to fulfill any other requirements.*

This course is taken at the state of the art Roosevelt House.

**prereq:** declaration of a minor/certificate in Public Policy and a minimum GPA requirement of 3.0

3 hrs3 cr.

**PUPOL 40000 - Capstone Seminar**

This writing-intensive course is the culminating experience in the Public Policy minor/certificate. It provides students with an opportunity to apply the knowledge and skills acquired in their other courses to a specific policy problem. An interdisciplinary course, it will require students to make an inquiry into a specific policy problem. The project will be overseen jointly by a faculty adviser who specializes in the substantive area of public policy chosen and another faculty adviser in the program by writing a formal paper. Each student will write an appropriately revised 5-7 page research proposal and a 20-25 page research paper involving primary research.

*These courses are only open to students enrolled in the program. They cannot be used to fulfill any other requirements.*

This course is taken at the state of the art Roosevelt House.

**prereq:** Students must have completed 45 credits, have a declared major, and a cumulative GPA of 3.0 or higher.

3 hours3 credits

One Course in Economic Analysis

**ECO 20000 - Principles of Economics: Microeconomics**

GER 2/B

May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
**prereq: MATH 10100 or exemption from the course**
3 hrs 3 cr.

One Course in Quantitative Analysis

**ECO 22100 - Economic Statistics I**

GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.  
**prereq: MATH 12500 or exemption from the course**
3 hrs 3 cr.

**POLSC 20600 - Research Design in Political Science (W)**

GER 3/B
Public opinion surveys, content analysis, legislative roll-call analysis, census data, election returns. Introduction to statistics. Uses Social Science Data Lab.
**prereq: passing college proficiency exam in math or perm instr; ENGL 12000 or its equivalent**
3 hrs 3 cr.

**SOC 24000 - Introduction to Research Methods**

GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.
**prereq: SOC 10100**
3 hrs 3 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

**prereq: MATH 12500 or appropriate score on placement exam.**
3 hrs 3 cr.

One Course in Normative, Ethical, and Value Analysis. Such courses include but are not limited to:

**PHILO 10600 - Philosophy, Politics and Society**

GER 2/C PD/D
Introduction to social and political philosophy.
3 hrs 3 cr.  
*offered each semester*

**PHILO 24400 - Moral Philosophy (W)**

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
prereq: ENGL 12000 and one previous course in philosophy.  
3 hrs 3 cr.

PHILO 10400 - Introduction to Ethics

GER 2/C  
Examination of standards of right conduct and the good life through study of selected philosophical classics.  
3 hrs 3 cr.  
offered each semester

SOC 21800 - Social Inequality

GER 3/B  
Examination of social inequality in contemporary society from various empirical and theoretical perspectives focusing on class, ethnic, gender, and other determinants of stratification.  
prereq: SOC 10100  
3 hrs 3 cr.

POLSC 31100 - Utopian Theory (W)

GER 3/B  
Political theorists often imagine ideal worlds, both to explore ideals and to criticize political realities. This course will explore utopias and dystopias as theories that explore political possibilities and challenge existing realities.  
prereq: ENGL 12000 or its equivalent; one course in political theory or perm dept.  
3 hrs 3 cr.

POLSC 30500 - Democratic Theory (W)

GER 3/B  
A critical survey of different conceptions of democracy: issues include democracy as a political order, democracy and 'non-political' forms of life (e.g., business, family, religion), toleration, political representation, democracy and justice.  
prereq or coreq: ENGL 12000 or its equivalent; one course in political theory or perm instr.  
3 hrs 3 cr.

Substantive Policy Specialization

For the Public Policy Certificate each student will take the 6 core courses (18 credits) and will be required to declare a substantive area of specialization comprised of 3 courses (9 credits) of additional course work. These may be grounded in a particular discipline or disciplines. Or a student may use the substantive specialization to take advantage of clusters of expertise that exist across several Hunter departments. Examples of the latter include (but are not limited to) immigration, health, aging, gender studies, macroeconomics, public finance, economic development, race and ethnicity, public law, human rights, ethics, international relations, international trade, education, urban affairs, environmental studies, employment, and social services. Courses designated for the substantive specialization need approval by the faculty advisor.

Additional Opportunities

Hunter College offers other unique opportunities to its students. These options are designed to enrich the student experience in policy curriculum.
Generic Policy Courses

Advanced courses which build on the knowledge and skills acquired in the core courses and are applicable to students in a wide range of substantive specializations.

Internships

Undergraduate internship programs currently exist in a number of academic departments which are designed to give students a chance to work in a policy-related institutional setting outside the university, either in a government agency, nonprofit, think tank, or advocacy group. Some carry compensation, others are voluntary.

Policy Colloquia

A colloquium series will be launched at Roosevelt House that will allow students and faculty to come together several times a semester to discuss public policy issues. Guest speakers, including scholars and practitioners, with relevant expertise will be invited to discuss topics of the day either individually or in panels.

Religion

About the Program

In the program in Religion, students examine the nature of religion and the forms its various expressions have taken. Religion is studied as an academic discipline and the program’s approach reflects no doctrinal bias. The purposes of the program are to introduce the field of religion in general; to present the thoughts, documents and history of major religious traditions (both Eastern and Western, ancient and modern, missionary and tribal); and to give students insight into specific religious issues and thinkers.

The program in Religion consists of a series of core courses taught by specialists in the field, augmented by other religion courses offered by faculty in 8 participating departments or divisions: Anthropology, Africana and Puerto Rican/Latino Studies, Chinese, Classics, Hebrew, History, Philosophy and Sociology.

The program is divided into five categories of courses: Introduction to the field of religion (basic introductory courses); Theoretical studies in religion (courses focusing on different methodological approaches to the study of religion); Issues in religion (courses dealing with religious experience, faith, ethics, religion and the arts); Religious traditions (courses in major religious traditions); Related courses.

Program in Religion

Religion - BA

Administration and Faculty

Program Office:

1241 West
(212) 772-4989
Web site: http://www.hunter.cuny.edu/religion

Director:
Barbara Sproul  
1206 West  
(212)772-4986  
bsproul@hunter.cuny.edu  

Faculty  
Religion Faculty  

HEGIS Code: 1510  

Religion - BA  

Return to: Religion Program Information  

Major (24 cr)  

At least 18 credits are to be taken from Courses in Religion categories I-IV:  

I. Introduction to the field of religion;  
II. Theoretical studies in religion;  
III. Issues in religion;  
IV. Religious traditions.  

Both introductory courses (REL 11000, REL 11100) must be taken and followed by at least one course in theoretical studies, one in religious issues and one in religious traditions;  

V. Related courses. No more than two courses from this category may be applied toward the major.  
On becoming a major the student, in consultation with the director, will select one member of the program in Religion staff as his or her major adviser. Each religion major is required to consult with this adviser at least twice a year.  

Religion Program Courses  

Introduction to the Field of Religion  

REL 11000 - Nature of Religion (W)  
GER 2/C  
Study of basic facets of religion: God, ethics, worship, faith, myth, ritual, symbolism, etc.  
3 hrs 3 cr.  

REL 11100 - Approaches to Religion (W)  
GER 2/C  
Different understandings of religion: sociological, anthropological, psychological, philosophical, theological.
prereq: ENGL 12000
3 hrs3 cr.

Theoretical Studies in Religion

ANTHC 30700 - Anthropology of Religion

GER 3/B PD/A
Emphasis on non-Western societies; theories of religion, magic; functions and symbolic meaning.
3 hrs3 cr.

PHILO 26200 - Philosophy of Religion (W)

GER 3/A
Philosophical examination of some religious questions and beliefs.
prereq: one course in philosophy or religion (see statement under Program Prerequisites)
3 hrs3 cr.

REL 27000 - Religion and Psychology (W)

GER 2/C PD/D
An examination of ways in which psychology understands, describes, values (or devalues) religion using the media of text, story and film.
prereq: ENGL 12000
3 hrs3 cr.

SOC 20500 - Religion

GER 3/B
Comparative study of religion in human societies. Analysis of beliefs, myths and sacred attitudes.
prereq: SOC 10100
3 hrs3 cr.

REL 39000 - Modern Theories in Religion (W)

GER 3/A PD/D
An advanced methodology course surveying key issues and main approaches under discussion in the current study of religion when standard methods of interpretation are being subjected to exhaustive critique and revision and new theories are being proposed.
prereq: ENGL 12000, REL 11100 or equiv; at least one other course in religion or a theoretical course offered by participating department, such as ANTHC 30700, PHILO 26200 or SOC 20500; perm instr.
3 hrs3 cr.

REL 26000 - Special Topics: Theoretical Studies in Religion

Specialized study of a methodological approach to the study of religion. Different topic each time offered.
3 hrs3 cr.

REL 36000 - Special Topics: Theoretical Studies in Religion
GER 3/A
Specialized study of a methodological approach to study of religion. Different topic each time offered.
3 hrs 3 cr.

Issues in Religion

REL 20400 - Religious Experience (W)
GER 2/C PD/D
Cross-cultural analysis of religious experiences: Biblical, ancient Greek, Asian, modern Western.
prereq: ENGL 12000
3 hrs 3 cr.

REL 20500 - Faith and Disbelief (W)
GER 2/C PD/D
Examination of questions of faith and disbelief in modern Western thought.
prereq: ENGL 12000
3 hrs 3 cr.

REL 20600 - Ideas of God in Contemporary Western Thought (W)
GER 2/C PD/D
Survey of representative schools of current Western religious thought: Christian theism, metaphysical protest, process theology, feminist theology, liberation theology, beyond theism thought.
prereq: ENGL 12000
3 hrs 3 cr.

REL 20700 - Religious Sources for Morality (W)
GER 2/C PD/D
Religious reasons for determining good and evil; religious sources for ethical decisions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 20800 - Religion and Social Justice (W)
GER 2/B PD/D
An exploration into religious perspectives on such social issues as war, race, the economy and gender relations.
prereq: ENGL 12000
3 hrs 3 cr.

REL 30700 - Religious Ideas in Modern Literature (W)
GER 3/A PD/D
Exploration of religious themes in modern literature.
prereq: ENGL 12000
3 hrs 3 cr.

REL 30800 - Religion and the Arts (W)
GER 3/A PD/D
Examination of religious themes in art, music, theatre, cinema, or literature. Different topics each time offered.
prereq: ENGL 12000
3 hrs 3 cr.

REL 30900 - The Religious Meaning of Love and Sex (W)
GER 3/A PD/D
Interdisciplinary investigation of the major ways humankind has understood the relation between the sexually erotic and religious realities.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31000 - The Religious Meaning of Death (W)
GER 3/A PD/D
Consideration of the meaning of death in major world religions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31100 - Women and Religion (W)
GER 3/A PD/C
An examination of the role of women and the concept of the feminine in world religions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31200 - Religion and Politics (W)
GER 3/A PD/D
The role of political ideology in the shaping of religious belief and theology's influence on politics in Western and non-Western traditions, both conservative and radical.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31300 - Spirit and Nature (W)
GER 3/A PD/D
An exploration of the ideas of nature and animal life in a representative sampling of the religious traditions of the world, inquiring into the implications for environmental policy and the treatment of animals.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31500 - The Problem of Evil (W)
GER 3/A PD/D
Exploration of the religious meaning of evil in different cultures.
prereq: ENGL 12000
3 hrs 3 cr.
REL 33400 - Mysticism (W)

GER 3/A PD/D
Cross-cultural exploration of mystical experience and mystical doctrines, as well as an exploration of the various methods of studying them.
prereq: ENGL 12000
3 hrs 3 cr.

REL 33500 - Myth and Ritual (W)

GER 3/A PD/D
Cross-cultural exploration of myth and ritual and their place in various cultures; methodologies for analysis.
prereq: ENGL 12000
3 hrs 3 cr.

REL 34000 - Homosexuality in World Religions (W)

GER 3/A PD/C
A survey and analysis of typical ways in which homosexuality has been understood, evaluated and in some cases institutionalized in a variety of religious traditions, attending especially to implicit constructions of gender.
prereq: ENGL 12000
3 hrs 3 cr.

REL 26100 - Special Topics: Issues in Religion

Study of particular religious topics or thinkers. Different subject each time offered.
3 hrs 3 cr.

REL 36100 - Special Topics: Issues in Religion

GER 3/A
Study of particular religious topics or thinkers. Different subject each time offered.
3 hrs 3 cr.

Religious Traditions

Eastern Religions

REL 25100 - Eastern Religions (W)

GER 2/C PD/A
Study of Hinduism, Buddhism, Jainism, Taoism and Confucianism.
prereq: ENGL 12000
3 hrs 3 cr.

REL 32000 - Hinduism (W)

GER 3/A PD/A
Study of Hinduism, its development, history, literature, philosophy and religious practices.
REL 32100 - Buddhism (W)

GER 3/A PD/A
Study of Buddhism, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs3 cr.

REL 33600 - Zen (W)

GER 3/A PD/A
An inquiry into the teachings of Chinese and Japanese Zen in light of their Buddhist and Daoist backgrounds.
prereq: ENGL 12000
3 hrs3 cr.

PHILO 21900 - Asian Philosophies

GER 3/A PD/A
Readings from classics of Indian, Chinese and Japanese philosophy drawn from traditions of Buddhism, Hinduism, Taoism and Confucianism.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

African and Afro-American Religions

REL 25600 - Afro-Caribbean Religions (W)

GER 2/C PD/B
An introduction to the diversity of African-based religions in the Caribbean and beyond.
prereq: ENGL 12000
3 hrs3 cr.

AFPRL 22000 - African Spirituality in the Diaspora

GER 2/C PD/A or B
The nature and expressions of the spiritual ethos enabling the survival of classical African human values in dehumanizing circumstances during and after enslavement in North America, South America and the Caribbean.
3 hrs3 cr.

AFPRL 32200 - African World View: Philosophy and Symbolic Thought (W)

GER 3/A PD/A
Examination of African religious systems, metaphysical conceptions and philosophy.
prereq: AFPRL 22000 or perm instr.
3 hrs3 cr.
offered every other sem.

AFPRL 32300 - Islam and Christianity in Africa (W)
GER 3/A
Examination of relationship of Islam and Christianity to primary African religion and their political role in African history.
 prereq: AFPRL 201 or 202 or 222 or perm instr.
 3 hrs 3 cr.

AFPRL 36200 - Puerto Rican and Caribbean Religious Practices (W)

GER 3/A PD/A or B
Reading knowledge of Spanish suggested. Analysis of roots of folk religion in Indian, African and Spanish cultures. Religious syncretisms, popular imagery and ritual practices.
 prereq: AFPRL 14100 or 24300
 3 hrs 3 cr.

AFPRL 42000 - The Black Church and Social Change

GER 3/B
In-depth study of the sociopolitical role of Black church in political struggle of Black people with special emphasis on America.
 prereq: AFPRL 20300 or 20400 or 20500 or perm instr.
 3 hrs 3 cr.

Western Religions

REL 25200 - Ancient Near Eastern Religions (W)

GER 2/C PD/A
Study of Egyptian religion, religions of Sumer and Babylonia, religion of the early Hebrews (including the Old Testament).
 prereq: ENGL 12000
 3 hrs 3 cr.

REL 25300 - Western Religions (W)

GER 2/C PD/D
Survey of major Western religions – Christianity, Judaism, Zoroastrianism and Islam.
 prereq: ENGL 12000
 3 hrs 3 cr.

REL 25500 - Religions of Two Gods (W)

GER 2/C PD/A
A survey of historical varieties of dualistic religion both classical and modern which inquires into the moral grounds for their recurring appeal.
 prereq: ENGL 12000
 3 hrs 3 cr.

HEBR 24000 - Introduction to the Old Testament
GER 2/C PD/A
Survey of the books of the Old Testament, their form, content and cultural background. Introduction to the tools and methods of modern biblical criticism.
3 hrs3 cr

HEBR 25900 - Old Testament Religion

GER 2/C PD/A
Comprehensive survey of ancient Israelite religious practice, expression and thought as reflected in Hebrew Bible.
3 hrs3 cr

HEBR 28600 - Ancient Near Eastern Literature and the Bible

GER 3/A PD/A
Comparative study of ancient Near Eastern literature and the Hebrew Bible.
3 hrs3 cr

HEBR 29200 - The Hebrew Prophets

GER 2/C PD/A
Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical and religious thought.
3 hrs3 cr

HEBR 29400 - Job, Ecclesiastes and the Human Predicament

GER 3/A PD/A
Study of form, content and religious significance of these two enigmatic masterworks.
3 hrs3 cr

HIST 21000 - History of Judaism

GER 2/B
Survey of the Jewish religious tradition with attention to interactions between Judaism and other religions and to the role of Judaism in the formation of Christianity and Islam.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 30900 - Jewish History in the Ancient World

GER 3/B PD/A
The Jewish people from its origins in late antiquity; social and intellectual developments from biblical to Talmudic times.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 31000 - Jewish History in the Medieval and Early Modern Periods

GER 3/B PD/D
The Jewish people from late antiquity to 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 32000 - Jewish History in the Modern World (W)

GER 3/B PD/D
From the 18th century to the present: Enlightenment, Jewish emancipation and nationalism, a Jewish state; anti-Semitism and the Holocaust; recent trends.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

CLA 30300 - Religion of Ancient Greece (W)

GER 3/A
The Ancient Greek religious experience: official rites, mystery cults, oracles, personal religious belief, and practice.
prereq: ENGL 12000, CLA 10100 or 20100
3 hrs3 cr.

CLA 30400 - Pagans and Christians (W)

GER 3/A PD/D
Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

REL 33000 - New Testament Religion (W)

GER 3/A PD/D
prereq: ENGL 12000
3 hrs3 cr.

REL 32300 - Christianity (W)

GER 3/A PD/D
Analysis of the Christian religion which employs methodologies of the academic study of religion and which aims to uncover the unity of Christian faith embodied in its various expressions.
prereq: ENGL 12000
3 hrs3 cr.

REL 33300 - Christian Theology (W)

GER 3/A PD/D
An examination of key doctrines in Christian thought such as trinity, incarnation, existence of God and grace.
prereq: ENGL 12000
3 hrs3 cr.

HIST 31400 - Ancient and Medieval Christianity (W)
GER 3/B PD/D
The development of Christianity from Jesus to Luther; theology and mysticism, lay and monastic spirituality; the papacy and dissidents; gender and sexuality; relations with Judaism and Islam.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 31500 - Christianity in Modern Times

GER 3/B
Not offered to freshmen. Transformation of Christianity since the Reformation, Enlightenment and modern political and intellectual challenges.
3 hrs 3 cr.

HIST 31600 - History of Religion in the United States

GER 3/B
Changing European churches and indigenous American sects; their architecture, leaders and ideas.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

REL 32200 - Islam (W)

GER 3/A PD/A
Study of Islam, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs 3 cr.

REL 32400 - Islam and Buddhism (W)

GER 3/A PD/A
Study of Islam and Buddhism, their founders, development, beliefs, rituals and interaction.
prereq: ENGL 12000
3 hrs 3 cr.

REL 33700 - Sufism (W)

GER 3/A PD/A
A course on the esoteric or mystical dimension of Islam, known among Muslims as ta'awwuf, attending to the history, doctrine and metaphysics of the Sufi path.
prereq: ENGL 12000
3 hrs 3 cr.

Tribal Religions

REL 25400 - Tribal Religions: From Australia to the Americas (W)

GER 2/C PD/A or B
Study of indigenous religions of Pacific Islanders and North American Indians.
Special Topics in Traditions

**REL 26200 - Special Topics: Religious Traditions**

Specialized study of specific religious traditions or groups of traditions. Different topic each time offered.
3 hrs 3 cr.

**REL 36200 - Special Topics: Religious Traditions**

GER 3/A
Specialized study of specific religious tradition or groups of traditions. Different topic each time offered.
3 hrs 3 cr.

Independent Study

**REL 41000 - Independent Study in Religion**

Open to majors only. Individual research and writing on topic in religion under supervision of a religion professor.
*prereq: perm chair
hrs TBA 1-6 cr.*

Honors

To qualify for departmental honors, a student must take either of the following completing either with a grade of B or above and achieving a final GPA in religion major courses of at least 3.5 and a final cumulative GPA of at least 3.0.

**REL 45000 - Honors Seminar in Religion**

Specialized study in religion. For religion majors or other advanced religion students. Different topic each time offered. May be taken a second or third time with another subject. One topic offered under REL 45000 or 49000 satisfies the course requirements for departmental honors.
*prereq: five courses in religion or a major/CUNY-BA focus in religion and perm instr. or program director
3 hrs 3 cr.*

**REL 49000 - Honors Tutorial in Religion**

Open to majors only. Individual research and writing on topic in religion under supervision of Religion Honors Committee. REL 49000 or one topic offered under REL 45000 satisfies the course requirements for departmental honors.
*prereq: perm chair
hrs TBA 1-6 cr.*

Related Courses

**AFPRL 14100 - Puerto Rican Folklore**
GER 2/C PD/A or B
Study of Puerto Rican folklore: traditional beliefs, legends, religious rites and typical music.
3 hrs3 cr.

**AFPRL 22200 - African Civilization**

GER 2/C PD/A
Introduction to study of African civilization.
3 hrs3 cr.

**CHIN 11100 - Chinese Culture I**

GER 2/C PD/A
Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English.
3 hrs3 cr.

**CHIN 11200 - Chinese Culture II**

GER 2/C PD/A
Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.
3 hrs3 cr.

**CLA 10100 - Classical Mythology**

GER 2/C PD/D
Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and theories.
3 hrs3 cr.

**CLA 30200 - Comparative Backgrounds of Classical Mythology (W)**

GER 3/A PD/D
Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hittite, Ugaritic, and Celtic myths.
prereq: ENGL 12000; CLA 10100
3 hrs3 cr.

**HEBR 21400 - Maimonides' Guide to the Perplexed**

GER 3/A PD/D
Study of this work in English with reference to Maimonides' influence on development of medieval Aristotelianism.
3 hrs3 cr

**HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)**

GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.
3 hrs3 cr

**HEBR 28400 - Images of Women in the Old Testament, in Translation**
GER 3/A PD/C
Depiction of women in ancient Israelite prose and poetry. Close reading and analysis of texts in terms of literary techniques, cultural background and ideological implications.
3 hrs 3 cr.

HEBR 28800 - Ancient Hebraic Folklore

GER 2/C PD/A
Analysis and comparative study of folk beliefs, practices and literature reflected in Hebrew Bible, apocryphal literature and rabbinic Aggada.
3 hrs 3 cr

HEBR 29000 - Biblical Archaeology

GER 2/C PD/A
Study of Biblical sources in translation in relation to major archaeological discoveries in Israel and Near East.
3 hrs 3 cr

HEBR 29500 - Ancient Hebrew Law

GER 2/C PD/A
Historical and comparative study of Biblical and rabbinic law.
3 hrs 3 cr

HEBR 29600 - The Dead Sea Scrolls in English

GER 3/A PD/A
Readings in the various genres of the scrolls; historical background of Qumran sect; significance of the scrolls for study of Judaism and Christianity.
3 hrs 3 cr

ANTHC 30600 - Folklore and Myth

GER 3/B
Cultural and psychological functions and symbolic meanings.
3 hours 3 credits

Minor in Religion

The Minor in Religion consists of four courses for a total of 12 credits.

The following two courses are required:

REL 11000 - Nature of Religion (W)

GER 2/C
Study of basic facets of religion: God, ethics, worship, faith, myth, ritual, symbolism, etc.
3 hrs 3 cr.
REL 11100 - Approaches to Religion (W)

GER 2/C
Different understandings of religion: sociological, anthropological, psychological, philosophical, theological.
*prereq: ENGL 12000
3 hrs 3 cr.

Also required for the Minor in Religion:
a) one course to be chosen from those listed under the category “Religious Traditions”; and

b) one course from the category “Issues in Religion” reflecting a theme central to the religious tradition in which the student has chosen to focus, to be selected in consultation with a Religion Program adviser.

At least one course presented in satisfaction of the minor must be a 300-level course.

Romance Languages

About the Department

The Department of Romance Languages at Hunter College offers language, culture and literature courses in French, Italian, Spanish, as well as literature and culture courses in English. Our degrees include the undergraduate major and master's degrees in French, Italian and Spanish. We also offer a Romance Languages major that combines knowledge and understanding of two Romance literatures and cultures. Besides these offerings, the department has recently added a major concentration in Spanish-English/English-Spanish Translation and Interpretation, an expansion of its vision of providing professional training within the context of traditional liberal arts.

In addition, the department is committed to equipping students for professional life: it has continued Hunter’s tradition in teacher preparation, and, in conjunction with the School of Education it sponsors TOP (Teacher Opportunity Program), a selective scholarship-cum-practicum program leading to an MA in Spanish/Education.

Most students majoring in one or two Romance languages pursue careers in education. Others enter careers in the fields of commerce, tourism, interpretation and translation and international affairs, among others.

Foreign Language Requirement

The college foreign language requirement may be fulfilled by completion of French, Italian or Spanish 202, 203 or 208 or by demonstrating equivalent proficiency through a departmental examination. Students with prior knowledge of one of the languages should take a placement examination before registering for courses. Students who have a high school diploma in a language other than English or who have studied a foreign language in high school for four years have fulfilled the language requirement. Students should consult a departmental adviser to resolve all matters regarding placement, registration and course offerings.

1. Students pursuing a new language will fulfill the language requirement in four college semesters by completing one of the following sequences:

   a. French: FREN 10100-FREN 10200 or FREN 10300 and FREN 20100-FREN 20200, or FREN 20300;

   b. Italian: ITAL 10100-ITAL 10200, or ITAL 10300 and ITAL 20100-ITAL 20200, or ITAL 20300;
c. Spanish: SPAN 10100-SPAN 10200, or SPAN 10300, or SPAN 10500-SPAN 10600 and SPAN 20100-SPAN 20200, or SPAN 20300, or SPAN 20700 and SPAN 20800.

2. Students continuing a language studied for one year in high school need three additional college semesters:
   a. French: FREN 10200, FREN 20100 and FREN 20200 or FREN 10200 and FREN 20300;
   b. Italian: ITAL 10200, ITAL 20100 and ITAL 20200; ITAL 10200 and ITAL 20300;
   c. Spanish: SPAN 10200, SPAN 20100 and SPAN 20200; SPAN 10200 and SPAN 20300; SPAN 10600, SPAN 20700 and SPAN 20800.

3. Students continuing a language studied for two years in high school need two additional college semesters:
   a. French: FREN 20100 and FREN 20200 or FREN 20300;
   b. Italian: ITAL 20100 and ITAL 20200 or ITAL 20300;
   c. Spanish: SPAN 20100 and SPAN 20200 or SPAN 20300 or SPAN 20700 and SPAN 20800.

4. Students continuing a language studied for three years in high school need one additional college semester:
   a. French: FREN 20200 or FREN 20800;
   b. Italian: ITAL 20200;
   c. Spanish: SPAN 20200 or SPAN 20800

Programs and Courses

Programs and Courses in Romance Languages

Administration and Faculty

Department Office:
1341 West
(212) 772-5093/5108
Web site: http://www.hunter.cuny.edu/~romlang/

Chair:
Giuseppe Di Scipio
1309 West
(212) 772-5109
gdiscipi@hunter.cuny.edu

Faculty

Romance Languages Faculty

HEGIS Code: 1102 (French); 1104 (Italian); 1105 (Spanish); 1101 (Romance Languages)
French - BA

Honors

Students qualified to graduate with departmental honors must take an honors course or equivalent approved by the departmental advisers. Departmental honors will be conferred upon a recommendation from the appropriate departmental committee. Candidates must present a paper of at least 7,000 typewritten words in the language of specialization. Consult the department for further information.

Graduate Study

Qualified seniors with a minimum GPA of 3.5 in their discipline may be admitted to graduate level courses. Permission must be secured from the chair and then forwarded to the dean. Consult the graduate catalog for requirements and regulations.

Major

The French major provides two concentrations:

a. French Literature (30 cr)

b. French Language and Civilization (30 cr)

Preparation for Teaching French, Spanish or Italian Adolescent Education (grades 7-12)

Students pursuing adolescent education must complete the 30 or 36 credit major in one of these languages and, in addition, complete the course in second language acquisition (3 cr). The 23-credit pedagogical sequence in adolescent education will serve as the minor. See the School of Education section of the catalog for further information.

Study Abroad

All study abroad programs are open to students from Hunter College and other accredited institutions. Majors and minors in the Department of Romance Languages are strongly encouraged to participate in study abroad programs (see adviser for GPA requirements).

Qualified students can apply for financial aid and STOCS grants.

The New York/Paris Exchange Program is open to students who wish to study a semester or a year at a French university in Paris. For the requirements and more details, contact Professor J. Przybos at (212) 772-5097. French in France is offered during June, July and August at Pau and Bayonne.

Minor in French (15 credits)
a. French Literature and Culture

This course of study provides the opportunity to deepen the knowledge of French language beyond the basic language sequence and to introduce students to French Culture transhistorically, in ways that could usefully complement a major in another field in the humanities, where a broad knowledge of French history or culture could be useful (for instance in the Arts).

The prerequisite for this minor consists either of

**FREN 20200 - Intermediate French II**

Language lab mandatory. 
*There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.*

*prereq: FREN 2000 or three yrs high school French
3 hrs3 cr.*

-or-

**FREN 20300 - Intensive Intermediate French**

Equivalent to material covered in 20100 and 20200. Language lab mandatory.
*There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.*

*prereq: FREN 10200 or two yrs high school French
6 hrs6 cr.*

For the minor, 3 language courses to be chosen from

**FREN 21100 - Intermediate Grammar and Composition**

Continued study of grammar and syntax, with focus on reading and writing. Intended for French majors and minors.

*prereq: FREN 20200 or equiv.
3 hrs3 cr.*

**FREN 22000 - Advanced French Conversation**

*prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.*

**FREN 31100 - Advanced French Grammar**

*prereq: FREN 20200
3 hrs3 cr.*

**FREN 31200 - French Oral and Written Expression**
prereq: FREN 20200 or equiv.
3 hrs 3 cr.

and 2 Culture and Civilization courses to be chosen from

FREN 33500 - French Culture I
PD/D
Main intellectual and artistic currents from the Gauls to the French Revolution. Conducted in French.
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 33600 - French Culture II
PD/D
Main intellectual and artistic currents from the French Revolution to 1958. Conducted in French.
prereq: FREN 20200 or four years of high school French
3 hrs 3 cr.

FREN 33700 - Contemporary French Culture
Contemporary French civilization and culture from 1958 to the present, as seen in its press. World events observed through the lens of French culture and politics. Comparison of current events coverage by French and U.S. Press.
prereq: FREN 31100 or 31200 or perm instr.
3 hrs 3 cr.

b. French Literature
This course of study provides the opportunity to deepen the knowledge of French language beyond the basic language sequence through the analysis of French Literature. Among undergraduates potentially interested in this track are our native-speakers, or students with a francophone background, whose majors are in another, non-related, discipline.

The prerequisite for this minor consists of

FREN 21100 - Intermediate Grammar and Composition
Continued study of grammar and syntax, with focus on reading and writing. Intended for French majors and minors.
prereq: FREN 20200 or equiv.
3 hrs 3 cr.

For the minor, students must first complete

FREN 34100 - Survey of French Literature from the Middle Ages to the End of the 17th Century
GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

and then choose 3 courses from the following:

FREN 34300 - Medieval and Renaissance French Literature

GER 3/A PD/D
From medieval epics, lyrical poetry and mystery plays to writers such as See, Du Bellay, Ronsard, Rabelais and Montaigne.

FREN 34100 and 34200 are prerequisite to all courses numbered 34300 and above.
3 hrs 3 cr.

FREN 34400 - 17th Century French Literature

GER 3/A PD/D
Such authors as Boileau, Bossuet, Corneille, Cyrano de Bergerac, La Bruye, Mme de Lafayette, La Fontaine, Malherbe, Molire, Pascal, Racine, Mme de Sign Saint Simon.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 34600 - 18th Century French Literature

GER 3/A PD/D
Such authors as Beaumarchais, Buffon, Ch'nier, the Encyclopedists, Diderot, Laclos, Marivaux, Montesquieu, Provost, Rousseau, Sade, Voltaire.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 34800 - 19th Century French Literature (1800-1850)

GER 3/A PD/D
Such authors as Balzac, Chateaubriand, Constant, Gautier, Hugo, Lamartine, Musset, Sand, Mme de Sta, Stendhal, Vigny.
FREN 34100 and 34200
3 hrs 3 cr.

FREN 34900 - 19th Century French Literature (1850-1900)

GER 3/A PD/D
Such authors as Barbey durevilly, Barr's, Baudelaire, Daudet, Flaubert, France, Huysmans, Leconte de Lisle, Mallarm, Maupassant, Renan, Rimbaud, Sainte-Beuve, Taine, Verlaine, Villiers de Isle-Adam, Zola.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 35000 - 20th Century French Literature (1900-1950)

GER 3/A PD/D
Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, Pguy, Proust, Sartre.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 35100 - Contemporary French Literature (1950-present)

GER 3/A PD/D
Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Kolt's, NDiaye, Perec, Redonnet, Robbe-Grillet, Sarraute.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36000 - French Literature: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36100 - Middle Ages and the Renaissance: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36200 - The 17th Century: Special Topics

GER 3/A PD/D
3 hrs3 cr.

FREN 36300 - The 18th Century: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36400 - The 19th Century: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36500 - The 20th Century: Special Topics
GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.
prereq: FREN 34100 and 34200
3 hrs3 cr.

**c.. World Literature in French**

This course of study provides the opportunity to deepen the knowledge of French language beyond the basic language sequence through the analysis of World Literature in French. With the growth of “global studies,” a good knowledge of francophone culture helps prepare our students access to an expanded world of cultural, commercial, political exchanges (28 countries have French as an official language.)

The prerequisite for this minor consists of

**FREN 21100 - Intermediate Grammar and Composition**

Continued study of grammar and syntax, with focus on reading and writing. Intended for French majors and minors.

prereq: FREN 20200 or equiv.
3 hrs3 cr.

For the minor, students must first complete

**FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period**

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

and then take

**FREN 35300 - Survey of Francophone Literature**

GER 3/A
A study of literature produced in French-speaking regions and nations (other than France) such as North and West Africa, the Caribbean, Vietnam and Quebec.
prereq: FREN 34100 and 34200
3 hrs3 cr.

**FREN 35000 - 20th Century French Literature (1900-1950)**

GER 3/A PD/D
Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, Pguy, Proust, Sartre.
prereq: FREN 34100 and 34200
3 hrs3 cr.

-or-
FREN 35100 - Contemporary French Literature (1950-present)

GER 3/A PD/D
Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Kolt's, NDiaye, Perec, Redonnet, Robbe-Grillet, Sarraute.
 prerequisites: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36000 - French Literature: Special Topics

GER 3/A PD/D
prerequisites: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36500 - The 20th Century: Special Topics

GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.
 prerequisites: FREN 34100 and 34200
3 hrs 3 cr.

c. French Culture and Literature in Translation

This course of study provides the opportunity to students with no knowledge of the French language to be introduced to French Culture & Literature. This minor offers an interesting complement or context to studies in other fields (such as history, philosophy, political theory or women’s studies) that have benefited, historically, from French influences.

The courses in this minor are to be chosen from a selection of 200-level courses, taught in English, such as

FREN 24100 - Early French Civilization: From Gothic to Revolution

GER 2/C PD/D
Conducted in English; readings in English.
3 hrs 3 cr.

FREN 24200 - Modern French Civilization: From Revolution to Present

GER 2/C PD/D
Conducted in English; readings in English.
There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
3 hrs 3 cr.

FREN 25100 - French Literature and the Arts

PD/D
Conducted in English; readings in English and French. Particular attention to theme, image and structure as they may
be compared in literary and artistic works.

3 hrs 3 cr.

**FREN 25200 - From Symbolism to Surrealism in French Literature**

GER 3/A
Conducted in English; readings in English. Impressionist, symbolist, cubist, Dada and surrealist movements in literature and art from the late 19th to 20th century.

3 hrs 3 cr.

**FREN 25300 - Modern French Theatre: Theory and Practice**

GER 3/A PD/D

4 hrs 3 cr.

**FREN 25400 - Film and the French Novel**

GER 3/A PD/D
Conducted in English. Truffaut, Godard, Resnais, Robbe-Grillet and others.

3 hrs 3 cr.

**FREN 25500 - New Approaches to Modern French Literature**

GER 3/A
Conducted in English; readings in French and English. Investigation of various currents of 20th century literary and aesthetic criticism as practiced in France.

3 hrs 3 cr.

**FREN 25600 - Dream and Image (W)**

GER 3/A
Conducted in English. Analysis of literary representations of dreams. Exploration of the relationship between word and image in French Literature. Such authors as Flaubert, Maupassant, Nerval and Proust.

3 hrs 3 cr.

**FREN 25700 - Literary Cross-Currents**

Conducted in English. Topics: Interaction of French and Russian literature, of French and American literature; the myth of Germany in French literature; Shakespeare in France; Dante and French literature.

prereq: reading knowledge of French

3 hrs 3 cr.

**FREN 25800 - French Poetry in Translation**

Conducted in English. Study of major themes, theories and texts from 16th century to contemporary period.

3 hrs 3 cr.

**FREN 25900 - French Theatre in Translation**
PD/D
Conducted in English; readings in English. Development of French theatre from 17th to 20th century. Great plays that have become known in English translation.
3 hrs3 cr.

FREN 26000 - French Novel in Translation (1600-1900)

PD/D
Readings in English; conducted in English. Development and evolution of French novel; its relationship to other literary genres.
3 hrs3 cr.

FREN 26100 - Modern French Novel in Translation (1900-Present)

PD/D
Conducted in English; readings in English. From Gide and Proust to present.
3 hrs3 cr.

FREN 26200 - Perspectives on Women in French Literature

GER 3/A PD/C or D
The representation of women in literary texts from the Middle Ages to the present. Conducted in English. Readings in English translation.

3 hrs3 cr.

French Language and Civilization (30 cr)

Return to: French - BA

A concentration in French language as well as in French and Francophone literature, culture and civilization. 12 credits from the language sequence (Group A); 0-9 credits from Group B (offered in English); and 9-18 credits from Group C (offered in French).

Group A:

FREN 22000 - Advanced French Conversation

prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

FREN 27500 - Introduction to French Literature

PD/D
Conducted in French. Introduction to literary texts and analysis using outstanding works of French literature in all genres from across centuries. Emphasis on reading comprehension and explication de texte.

prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.
**FREN 31100 - Advanced French Grammar**

prereq: FREN 20200  
3 hrs3 cr.

**FREN 31200 - French Oral and Written Expression**

prereq: FREN 20200 or equiv.  
3 hrs3 cr.

**FREN 32100 - French Translation**

prereq: FREN 20200 or equiv.  
3 hrs3 cr.

**Group B:**

**FREN 24100 - Early French Civilization: From Gothic to Revolution**

GER 2/C PD/D  
Conducted in English; readings in English.  
3 hrs3 cr.

**FREN 24200 - Modern French Civilization: From Revolution to Present**

GER 2/C PD/D  
Conducted in English; readings in English.  
3 hrs3 cr.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.  
3 hrs3 cr.

**FREN 25100 - French Literature and the Arts**

PD/D  
Conducted in English; readings in English and French. Particular attention to theme, image and structure as they may be compared in literary and artistic works.  
3 hrs3 cr.

**FREN 25200 - From Symbolism to Surrealism in French Literature**

GER 3/A  
Conducted in English; readings in English. Impressionist, symbolist, cubist, Dada and surrealist movements in literature and art from the late 19th to 20th century.  
3 hrs3 cr.

**FREN 25300 - Modern French Theatre: Theory and Practice**
GER 3/A PD/D
4 hrs3 cr.

**FREN 25400 - Film and the French Novel**

GER 3/A PD/D
Conducted in English. Truffaut, Godard, Resnais, Robbe-Grillet and others.
3 hrs3 cr.

**FREN 25500 - New Approaches to Modern French Literature**

GER 3/A
Conducted in English; readings in French and English. Investigation of various currents of 20th century literary and aesthetic criticism as practiced in France.
3 hrs3 cr.

**FREN 25600 - Dream and Image (W)**

GER 3/A
Conducted in English. Analysis of literary representations of dreams. Exploration of the relationship between word and image in French Literature. Such authors as Flaubert, Maupassant, Nerval and Proust.
3 hrs3 cr.

**FREN 25700 - Literary Cross-Currents**

Conducted in English. Topics: Interaction of French and Russian literature, of French and American literature; the myth of Germany in French literature; Shakespeare in France; Dante and French literature.
prereq: reading knowledge of French
3 hrs3 cr.

**FREN 25800 - French Poetry in Translation**

Conducted in English. Study of major themes, theories and texts from 16th century to contemporary period.
3 hrs3 cr.

**FREN 25900 - French Theatre in Translation**

PD/D
Conducted in English; readings in English. Development of French theatre from 17th to 20th century. Great plays that have become known in English translation.
3 hrs3 cr.

**FREN 26000 - French Novel in Translation (1600-1900)**

PD/D
Readings in English; conducted in English. Development and evolution of French novel; its relationship to other literary genres.
3 hrs3 cr.
FREN 26100 - Modern French Novel in Translation (1900-Present)

PD/D
Conducted in English; readings in English. From Gide and Proust to present.
3 hrs3 cr.

FREN 26200 - Perspectives on Women in French Literature

GER 3/A PD/C or D
The representation of women in literary texts from the Middle Ages to the present. Conducted in English. Readings in English translation.

3 hrs3 cr.

Group C:

FREN 33500 - French Culture I

PD/D
Main intellectual and artistic currents from the Gauls to the French Revolution. Conducted in French.
prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

FREN 33600 - French Culture II

PD/D
Main intellectual and artistic currents from the French Revolution to 1958. Conducted in French.
prereq: FREN 20200 or four years of high school French
3 hrs3 cr.

FREN 33700 - Contemporary French Culture

Contemporary French civilization and culture from 1958 to the present, as seen in its press. World events observed through the lens of French culture and politics. Comparison of current events coverage by French and U.S. Press.
prereq: FREN 31100 or 31200 or perm instr.
3 hrs3 cr.

FREN 34100 - Survey of French Literature from the Middle Ages to the End of the 17th Century

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period
GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

FREN 34300 - Medieval and Renaissance French Literature

GER 3/A PD/D
From medieval epics, lyrical poetry and mystery plays to writers such as See, Du Bellay, Ronsard, Rabelais and Montaigne.

FREN 34100 and 34200 are prerequisite to all courses numbered 34300 and above.
3 hrs3 cr.

FREN 34400 - 17th Century French Literature

GER 3/A PD/D
Such authors as Boileau, Bossuet, Corneille, Cyrano de Bergerac, La Bruye, Mme de Lafayette, La Fontaine, Malherbe, Molire, Pascal, Racine, Mme de Sign Saint Simon.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 34600 - 18th Century French Literature

GER 3/A PD/D
Such authors as Beaumarchais, Buffon, Ch'nier, the Encyclopedists, Diderot, Laclos, Marivaux, Montesquieu, Provost, Rousseau, Sade, Voltaire.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 34800 - 19th Century French Literature (1800-1850)

GER 3/A PD/D
Such authors as Balzac, Chateaubriand, Constant, Gautier, Hugo, Lamartine, Musset, Sand, Mme de Sta, Stendhal, Vigny.
FREN 34100 and 34200
3 hrs3 cr.

FREN 34900 - 19th Century French Literature (1850-1900)

GER 3/A PD/D
Such authors as Barbey durevilly, Barr's, Baudelaire, Daudet, Flaubert, France, Huysmans, Leconte de Lisle, Mallarm, Maupassant, Renan, Rimbaud, Sainte-Beuve, Taine, Verlaine, Villiers de Isle-Adam, Zola.
prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 35000 - 20th Century French Literature (1900-1950)

GER 3/A PD/D
Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, Pguy, Proust, Sartre.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 35100 - Contemporary French Literature (1950-present)
GER 3/A PD/D
Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Kolt's, NDiaye, Péric, Redonnet, Robbe-Grillet, Sarraute.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 35300 - Survey of Francophone Literature
GER 3/A
A study of literature produced in French-speaking regions and nations (other than France) such as North and West Africa, the Caribbean, Vietnam and Quebec.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36000 - French Literature: Special Topics
GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36100 - Middle Ages and the Renaissance: Special Topics
GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36200 - The 17th Century: Special Topics
GER 3/A PD/D
3 hrs 3 cr.

FREN 36300 - The 18th Century: Special Topics
GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36400 - The 19th Century: Special Topics
GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36500 - The 20th Century: Special Topics
GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.

prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 37500 - Seminar in French Literary History

GER 3/A PD/D
Readings, discussion and reports.

prereq: FREN 34100 and 34200; five courses in French major
3 hrs3 cr.

FREN 49100 - Honors Course in French

PD/D
Open to Jr/Sr only. Research in history of French literature.

prereq: FREN 34400, 34600, 34800; major GPA 3.2, cum GPA 2.8; perm adviser
3 hrs3 cr.

FREN 49500 - Independent Study in French Literature

prereq: perm adviser
1-3 cr.

Additional Information

Within the Language and Civilization concentration, students may choose either FREN 24100 or FREN 33500 (but not both) and either FREN 24200 or FREN 33600 (but not both) to count towards the major.

French Literature (30 cr)

Return to: French - BA

A concentration in French literature that emphasizes the study of literary works and criticism.

3 credits from

FREN 31100 - Advanced French Grammar

prereq: FREN 20200
3 hrs3 cr.

FREN 31200 - French Oral and Written Expression

prereq: FREN 20200 or equiv.
3 hrs3 cr.

FREN 32100 - French Translation
6 credits in

FREN 34100 - Survey of French Literature from the Middle Ages to the End of the 17th Century

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

21 credits from

FREN 33500 - French Culture I

PD/D
Main intellectual and artistic currents from the Gauls to the French Revolution. Conducted in French.
prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

FREN 33600 - French Culture II

PD/D
Main intellectual and artistic currents from the French Revolution to 1958. Conducted in French.
prereq: FREN 20200 or four years of high school French
3 hrs3 cr.

FREN 33700 - Contemporary French Culture

Contemporary French civilization and culture from 1958 to the present, as seen in its press. World events observed through the lens of French culture and politics. Comparison of current events coverage by French and U.S. Press.
prereq: FREN 31100 or 31200 or perm instr.
3 hrs3 cr.

FREN 34300 - Medieval and Renaissance French Literature

GER 3/A PD/D
From medieval epics, lyrical poetry and mystery plays to writers such as See, Du Bellay, Ronsard, Rabelais and Montaigne.
FREN 34100 and 34200 are prerequisite to all courses numbered 34300 and above.
3 hrs3 cr.

FREN 34400 - 17th Century French Literature

GER 3/A PD/D
Such authors as Boileau, Bossuet, Corneille, Cyrano de Bergerac, La Bruyére, Mme de Lafayette, La Fontaine, Malherbe, Molire, Pascal, Racine, Mme de Sign Saint Simon.
 prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 34600 - 18th Century French Literature

GER 3/A PD/D
Such authors as Beaumarchais, Buffon, Ch'nier, the Encyclopedists, Diderot, Laclos, Marivaux, Montesquieu, Provost, Rousseau, Sade, Voltaire.
 prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 34800 - 19th Century French Literature (1800-1850)

GER 3/A PD/D
Such authors as Balzac, Chateaubriand, Constant, Gautier, Hugo, Lamartine, Musset, Sand, Mme de Sta, Stendhal, Vigny.
FREN 34100 and 34200
3 hrs3 cr.

FREN 34900 - 19th Century French Literature (1850-1900)

GER 3/A PD/D
Such authors as Barbey durevilly, Barr's, Baudelaire, Daudet, Flaubert, France, Huysmans, Leconte de Lisle, Mallarmé, Maupassant, Renan, Rimbaud, Sainte-Beuve, Taine, Verlaine, Villiers de l'Isle-Adam, Zola.
 prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 35000 - 20th Century French Literature (1900-1950)

GER 3/A PD/D
Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, Proust, Sartre.
 prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 35100 - Contemporary French Literature (1950-present)

GER 3/A PD/D
Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Kolt's, NDiaye, Peref, Redonnet, Robbe-Grillet, Sarraute.
 prereq: FREN 34100 and 34200
3 hrs3 cr.
FREN 35300 - Survey of Francophone Literature
GER 3/A
A study of literature produced in French-speaking regions and nations (other than France) such as North and West Africa, the Caribbean, Vietnam and Quebec.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36000 - French Literature: Special Topics
GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36100 - Middle Ages and the Renaissance: Special Topics
GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36300 - The 18th Century: Special Topics
GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36500 - The 20th Century: Special Topics
GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 37500 - Seminar in French Literary History
GER 3/A PD/D
Readings, discussion and reports.
prereq: FREN 34100 and 34200; five courses in French major
3 hrs 3 cr.

FREN 49100 - Honors Course in French
PD/D
Open to Jr/Sr only. Research in history of French literature.
prereq: FREN 34400, 34600, 34800; major GPA 3.2, cum GPA 2.8; perm adviser
3 hrs 3 cr.

FREN 49500 - Independent Study in French Literature
prereq: perm adviser
1-3 cr.

Students planning to teach in grades 7-12 must also complete 3 credits in Second Language Acquisition:

**FREN 39900 - Second Language Acquisition**

*prereq: at least three courses at the 300 level in the language; ENGL 12000 3 hrs 3 cr.*

-or-

**FREN 49500 - Independent Study in French Literature**

*prereq: perm adviser 1-3 cr.*

-or-

**SEDC 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12**

The nature of language, and language acquisition/learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.

*prereq or coreq: SEDF 20300, 20400 3 hrs 3 cr.*

- SEDC 712 (see graduate catalog)

**Italian - BA**

**Major**

The Italian major provides two concentrations:

a. Italian Literature (30 cr)

b. Italian Language and Civilization (30 cr.)

**Preparation for Teaching French, Spanish or Italian Adolescent Education (grades 7-12)**

Students pursuing adolescent education must complete the 30 or 36 credit major in one of these languages and, in addition, complete the course in second language acquisition (3 cr). The 23-credit pedagogical sequence in adolescent education will serve as the minor. See the School of Education section of the catalog for further information.

**Minor in Italian (12 cr)**
Prerequisite for the minor

ITAL 20200 - Intermediate Italian II

Language lab mandatory.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.
prereq: ITAL 201 or three yrs high school Italian
3 hrs3 cr.

-or-

ITAL 22100 - Italian for Oral Communication

A highly interactive course developing oral communication skills in Italian; includes practice in the written language and the study of culture.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 20200 or perm dept.
3 hrs3 cr.

or placement test

The minor of 12 credits utilizes four existing courses, all taught in Italian.

ITAL 31100 - Advanced Italian Grammar

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 20200 or equiv.
3 hrs3 cr.

ITAL 31200 - Advanced Italian Composition

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 31100 or equiv.
3 hrs3 cr.

ITAL 32100 - Italian Translation

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.
prereq: ITAL 311 or equiv.
3 hrs3 cr.

ITAL 33100 - Italian Phonetics and Diction

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.
prereq: ITAL 202 or equiv.
3 hrs3 cr.
Honors

Students qualified to graduate with departmental honors must take an honors course or equivalent approved by the departmental advisers. Departmental honors will be conferred upon a recommendation from the appropriate departmental committee. Candidates must present a paper of at least 7,000 typewritten words in the language of specialization. Consult the department for further information.

Graduate Study

Qualified seniors with a minimum GPA of 3.5 in their discipline may be admitted to graduate level courses. Permission must be secured from the chair and then forwarded to the dean. Consult the graduate catalog for requirements and regulations.

Study Abroad

All study abroad programs are open to students from Hunter College and other accredited institutions. Majors and minors in the Department of Romance Languages are strongly encouraged to participate in study abroad programs (see adviser for GPA requirements).

Qualified students can apply for financial aid and STOCS grants.

Hunter in Italy: Summer Program in Pescara, June-July, at the University of Pescara; Italian Language courses and Italian literature and culture courses taught in English.

Winter Program Hunter in Florence, held during January intersession, offers courses and Italian Culture and Literature taught in English.

Italian Language and Civilization (30 cr.)

Return to: Italian - BA

A concentration on Italian language with an emphasis on oral and written communication.

15 credits from among

ITAL 22100 - Italian for Oral Communication

A highly interactive course developing oral communication skills in Italian; includes practice in the written language and the study of culture.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 20200 or perm dept.

3 hrs3 cr.

ITAL 31100 - Advanced Italian Grammar
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

**prereq:** ITAL 20200 or equiv.
3 hrs3 cr.

### ITAL 31200 - Advanced Italian Composition

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

**prereq:** ITAL 31100 or equiv.
3 hrs3 cr.

### ITAL 32100 - Italian Translation

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

**prereq:** ITAL 311 or equiv.
3 hrs3 cr.

### ITAL 33100 - Italian Phonetics and Diction

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

**prereq:** ITAL 202 or equiv.
3 hrs3 cr.

### ITAL 36500 - The 20th Century: Special Topics

GER 3/A

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

**prereq or coreq:** ITAL 34200
3 hrs3 cr.

15 credits from Group A (offered in English) and Group B (offered in Italian) with no more than 9 credits from Group A.

### Group A:

### ITAL 26000 - Modern Italian Short Story (W)

GER 2/C PD/D

In English. Study of the main literary trends in short story form, including Naturalism, Neorealism, Existentialism and Surrealism.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

**prereq:** ENGL 120 or equiv.
3 hrs3 cr.
ITAL 27500 - Masterpieces of Italian Literature

In English. Selections from Dante to Leopardi. Strongly recommended before taking any 300-level course.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs 3 cr.

ITAL 27600 - Dante's Divine Comedy in English (W)

GER 3/A PD/D

Introduction to Dante's Divine Comedy, with particular emphasis on the Inferno.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs 3 cr.

ITAL 28000 - The Italian Renaissance: An Introduction

GER 2/C PD/D

In English. An introduction to the literature of the Italian Renaissance and the major humanist figures in art, politics, philosophy and science.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs 3 cr.

ITAL 33400 - Italian Civilization in the Baroque, in English

GER 2/C PD/D

An introduction to the main artistic, philosophical, scientific and literary achievements in Italy in the 17th century.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 22000 or AFPL 23500, 23600 or 23700 or any courses in literature in translation
3 hrs 3 cr.

ITAL 33500 - Italian Culture I

GER 2C

In English. Main intellectual-artistic currents from the 12th to 15th century.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs 3 cr.

ITAL 33600 - Italian Culture II

GER 2C

In English. Main intellectual-artistic currents from the 16th to 20th century.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 120
3 hrs 3 cr.

ITAL 33700 - Italian Women Writers from the Middle Ages to the 18th Century, in English

GER 2C PD/C
Study of such writers of prose and poetry as St. Catherine of Siena, La Compiuta Donzella, Veronica Gambara, Gaspara Stampa, Vittoria Colonna, Diodata Saluzzo.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs 3 cr.

ITAL 33800 - 19th and 20th Century Italian Women Writers, in English

GER 3/A PD/C
Study of such representative writers as Sibilla Aleramo, Elsa Morante, Natalia Ginzburg, Dacia Maraini, Margherita Guidacci, Maria Luisa Spaziani.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs 3 cr.

Group B:

ITAL 34100 - Introduction to Italian Literature from the Middle Ages to the 16th Century

GER 3/A
Selections from Dante to Ariosto.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 20200
3 hrs 3 cr.

ITAL 34200 - Introduction to Italian Literature from the 16th Century to the Present

GER 3/A PD/D
Selections from Tasso to contemporary writers.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 20200
3 hrs 3 cr.

ITAL 34300 - Dante’s Vita Nuova and Inferno

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 34400 - Dante's Purgatorio and Introduction to Paradiso

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34300
3 hrs 3 cr.

ITAL 34500 - Dante's Paradiso and Major Prose Works

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34300
3 hrs 3 cr.

ITAL 34600 - Petrarch, Boccaccio and the Literature of Humanism

GER 3/A PD/D
Il Canzoniere and Il Decamerone.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 34700 - 16th Century Italian Literature

GER 3/A PD/D
Study of such authors as Ariosto, Castiglione, Guicciardini and Machiavelli.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 34800 - 17th and 18th Century Literature

GER 3/A PD/D
Study of such authors as Tasso, Goldoni and Alfieri.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 35000 - The Modern Italian Novel

GER 3/A PD/D
Novel from Manzoni to present.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200)
and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 35100 - The Modern Italian Theatre

GER 3/A
Plays of Goldoni, Manzoni, Alfieri, d'Annunzio, Pirandello, Betti and contemporaries.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 36000 - The Middle Ages: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs3 cr.

ITAL 36100 - The Renaissance: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs3 cr.

ITAL 36200 - The 17th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 36300 - The 18th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 36400 - The 19th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
ITAL 34200
3 hrs 3 cr.

ITAL 37000 - Italian Literature: Special Topics

GER 3/A
Topics to be offered may include individual authors, themes, genres, movements, or approaches.

ITAL 34100 or 34200 (depending on topic)
3 hrs 3 cr.

ITAL 37500 - Seminar in Italian Literary History

Strongly recommended for all Italian majors. Readings, discussion and reports.

ITAL 34100, 34200
3 hrs 3 cr.

ITAL 49500 - Independent Study in Italian Literature

ITALian Literature (30 cr)

Return to: Italian - BA

A concentration on Italian literature with an emphasis on the study of literary history and texts. The majority of the courses are offered in Italian.

3 credits from

ITAL 31100 - Advanced Italian Grammar

ITAL 31200 - Advanced Italian Composition
ITAL 33100 - Italian Phonetics and Diction

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.
prereq: ITAL 202 or equiv.
3 hrs3 cr.

9 credits from

ITAL 34100 - Introduction to Italian Literature from the Middle Ages to the 16th Century

GER 3/A
Selections from Dante to Ariosto.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 20200
3 hrs3 cr.

ITAL 34200 - Introduction to Italian Literature from the 16th Century to the Present

GER 3/A PD/D
Selections from Tasso to contemporary writers.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 20200
3 hrs3 cr.

ITAL 34300 - Dante's Vita Nuova and Inferno

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs3 cr.

3 credits from

ITAL 34400 - Dante's Purgatorio and Introduction to Paradiso

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34300
3 hrs3 cr.

-or-

ITAL 34500 - Dante's Paradiso and Major Prose Works
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

15 credits chosen from

**ITAL 34600 - Petrarch, Boccaccio and the Literature of Humanism**

Il Canzoniere and Il Decamerone.

**ITAL 34700 - 16th Century Italian Literature**

Study of such authors as Ariosto, Castiglione, Guicciardini and Machiavelli.

**ITAL 34800 - 17th and 18th Century Literature**

Study of such authors as Tasso, Goldoni and Alfieri.

**ITAL 34900 - The Modern Italian Lyric**

From Leopardi to contemporaries.

**ITAL 35000 - The Modern Italian Novel**

Novel from Manzoni to present.
ITAL 35100 - The Modern Italian Theatre

GER 3/A
Plays of Goldoni, Manzoni, Alfieri, d'Annunzio, Pirandello, Betti and contemporaries.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 36000 - The Middle Ages: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs3 cr.

ITAL 36100 - The Renaissance: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs3 cr.

ITAL 36200 - The 17th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 36300 - The 18th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 36400 - The 19th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.
ITAL 36500 - The 20th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 37000 - Italian Literature: Special Topics

GER 3/A
Topics to be offered may include individual authors, themes, genres, movements, or approaches.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100 or 34200 (depending on topic)
3 hrs3 cr.

ITAL 37500 - Seminar in Italian Literary History

Strongly recommended for all Italian majors. Readings, discussion and reports.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34100, 34200
3 hrs3 cr.

ITAL 49500 - Independent Study in Italian Literature

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: perm dept. adviser
1-3 cr.

Students planning to teach in grades 7-12 must also complete 3 credits in Second Language Acquisition:

ITAL 39900 - Second Language Acquisition

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: at least three courses at the 300 level in the language; ENGL 12000
3 hrs3 cr.

ITAL 49500 - Independent Study in Italian Literature

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: perm dept. adviser
1-3 cr.
### SEDC 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

The nature of language, and language acquisition/learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.

*prereq or coreq: SEDF 20300, 20400*

3 hrs 3 cr.

- SEDC 712 (see graduate catalog)

### Major concentration in Spanish-English/English-Spanish translation and interpretation (36 cr)

This program prepares students for careers in the growing translation field. Students take courses in Spanish language, literature and civilization in conjunction with specialized courses in translation/interpretation theory and practice. Allied courses in English and related fields of study are required and must be approved by the program adviser. Sufficient flexibility is built into the program so that students may tailor certain requirements to fit their individual needs and interests. An intensive internship in translation and/or interpretation serves as the student’s capstone experience and preparation for future professional settings. Please see the department of Romance Languages for more details regarding this new and innovative program of study.

### Prerequisites

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

*prereq: successful completion of developmental courses, if required*

3 hrs + conf 3 cr.

**SPAN 21100 - Spanish Grammar and Composition**

Not recommended for fluent speakers of Spanish. Study of grammatical and syntactical patterns. Practice in reading, writing and speaking Spanish.

*prereq: SPAN 20200 or 20300*

3 hrs 3 cr.

- or -

**SPAN 27000 - Spanish Composition for Spanish Speaking Students**

*prereq: SPAN 20800 or perm adviser*

3 hrs 3 cr.

### Major Course Requirements (36 credits)

1. Linguistic Structures and Advanced Writing (9 cr.)
**SPAN 31100 - The Structure of Modern Spanish**


*prereq: SPAN 20200, 20300, 20800, 21100 or equiv.*

3 hrs 3 cr.

**SPAN 31200 - Advanced Spanish Writing**

Applying morphosyntactical patterns through intensive composition. Exploration of various writing forms. Required of all Spanish majors.

*prereq: SPAN 31100 or equiv.*

3 hrs 3 cr.

**SPAN 31300 - Spanish Stylistics**

Practice in Spanish writing through stylistic analysis of poetic and narrative structures and the relationship of text and context.

*prereq: ENGL 12000; SPAN 31100, 31200, 34100, 34200*

3 hrs 3 cr.

2. Lexical and Cultural Enrichment (12 cr.)

**SPAN 34100 - Introduction to Hispanic Literature I**

GER 3/A PD/D

Prerequisite or corequisite to most courses in major sequence. Basic interpretive and research skills for Spanish majors and other qualified students through study of key works of Spanish and Spanish-American authors.

*prereq or coreq: SPAN 31100 or dept. perm*

3 hrs 3 cr.

**SPAN 34200 - Introduction to Hispanic Literature II**

GER 3/A PD/D

*prereq: SPAN 34100 coreq: SPAN 31200*

3 hrs 3 cr.

Two courses in contemporary Spanish or Spanish-American theatre, narrative or essay above SPAN 34200, or from any of the following:

**SPAN 35300 - Spanish Neoclassicism and Romanticism**

GER 3/A PD/D

Representative works of Neoclassical and Romantic periods, including costumbrismo.

*prereq: SPAN 34100*

3 hrs 3 cr.

**SPAN 35500 - Spanish Literature from Realism to World War I**
GER 3/A PD/D
From Realism and Naturalism through the Generation of 1898 and Modernism.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 35700 - Early 20th Century Spanish Literature

GER 3/A PD/D
Presentation of the major writers and works of the first 40 years of 20th century Spanish literature.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 35800 - Post-Civil War Spanish Literature

GER 3/A PD/D
Major trends and writers since the Spanish Civil War, with particular attention to the social, cultural and political context.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36200 - Spanish-American Romanticism, Realism and Naturalism

GER 3/A
Representative works of 19th century Spanish-American literature.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36400 - Spanish-American Modernism and Post-modernism

GER 3/A
Modernist and post-modernist authors.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36500 - Survey of Spanish-American Teatro

GER 3/A
Survey of major trends in Spanish-American dramatic literature from colonial days to the present, with emphasis on the second half of the 20th century.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36600 - Contemporary Latin American Poetry

GER 3/A
Major trends, such as Vanguardia, Brazilian Modernismo, Caribbean poetry, Anti-Poetry, Exteriorismo and popular poetry.
prereq: SPAN 34100
3 hrs3 cr.
SPAN 36700 - Latin American Essay

GER 3/A
Exploration of the essay as an aesthetic form and its role in the social and cultural struggles that have marked Latin-American history.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36800 - Contemporary Latin American Narrative

GER 3/A
Major trends, such as the Indianist novel, Mexican Revolution, social and psychological realism, novel of the 'boom', novel of the dictator.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 37000 - Special Topics in Spanish Literature

GER 3/A PD/D
May be repeated with different topic.
prereq: SPAN 34100; permission of adviser.
3 hrs3 cr.

SPAN 37100 - Special Topics in Spanish-American Literature

GER 3/A
May be repeated with different topic.
prereq: SPAN 34100; permission of adviser.
3 hrs3 cr.

SPAN 37400 - Contemporary Literature and Film

GER 3/A
Conducted in Spanish. Analysis of contemporary novels from Latin America and Spain and the films based upon them
prereq: SPAN 34100 or instructor permission
3 hrs3 cr.

or from Africana and Puerto Rican Studies (taught in Spanish)

-or-

One of the above plus one course in Spanish or Spanish-American culture

SPAN 33500 - Spanish Civilization

GER 3/A PD/D
prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.
SPAN 33600 - Latin American Civilization

GER 3/A
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in Spanish.
prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

3. Translation and Interpretation (15 cr.)

SPAN 38000 - Introduction to Translation and Interpretation Studies

Provides an introduction to basic concepts and techniques of translation and interpretation and develops a systematic approach to resolving language transference problems.
prereq: SPAN 31100 and 31200
3 hrs3 cr.

Two courses from:

SPAN 38100 - Translation from Spanish into English

Develops proficiency in translating from Spanish into English. The student will work with a variety of general Spanish texts and develop skills for analyzing and rendering them accurately into English. In addition, s/he will examine the best ways to handle idiomatic expressions, tenses and other complex grammatical structures. S/he will become familiar with the relevant terminology and theoretical issues, as well as learn how to select and evaluate dictionaries and other research materials.
prereq: SPAN 38000
3 hrs3 cr.

SPAN 38200 - Consecutive Interpretation Spanish-English/English-Spanish

An overview of the principles of consecutive interpretation.
prereq: SPAN 38000
3 hrs3 cr.

SPAN 38300 - Translation from English into Spanish

Reinforces the basic principles of translation taught in SPAN 3800 with more advanced texts, and adds a special emphasis on style and the specific demands of certain categories of texts, as well as theoretical discussion regarding choices in translation.
prereq: SPAN 38000
3 hrs3 cr.

SPAN 38400 - Simultaneous Interpretation Spanish-English

Designed so that students may begin working directly on the skills, protocol and practice of simultaneous interpretation, analyze in detail its processes, and review the settings in which it is used.
prereq: SPAN 38000
3 hrs 3 cr.

one or more courses from SPAN 39000: (topics vary. See Schedule of classes for offerings)

**SPAN 39000 - Translation and Interpretation for the Professions**

This series of courses will focus each semester on a different professional area, such as legal, medical, business, technical-scientific, social, and literary translation.

*prereq: varies by course*  
3 hrs 3 cr.

One or more courses from:

**SPAN 39100 - Internship in Translation**

Students who have completed the 39000 sequence of courses and have maintained an average of B+ or better are encouraged to take advantage of this internship. It consists of 70 hours of practical work in translation for a financial institution, law firm, translation agency, the United Nations, or other organization. In addition, the student must attend regularly scheduled meetings with the professor supervising the internship in order to discuss issues and problems in the real world of professional translation.

*prereq: SPAN 38100 – 38400, 39000*  
3 hrs 3 cr.

**SPAN 39200 - Internship in Interpretation**

Students who have completed the 39000 sequence of courses and have maintained an average of B+ or better are encouraged to take advantage of this internship to train them in real-world interpreting skills in the context of court interpreting, parliamentary procedure, diplomatic etiquette, conference organization, etc. This internship consists of 70 hours of practical work in interpretation as well as frequent meetings with the professor supervising the internship in order to discuss issues and problems in the real world of professional interpretation.

*prereq: SPAN 38100 – 38400, 39000*  
3 hrs 3 cr.

**Allied Course Requirements (12 credits)**

1. At least two courses from among the following (6 cr.)

**ENGL 20100 - Intermediate Expository Writing Using Small-Group Methods**

Additional practice in expository writing; small classes (8-10).

*prereq: ENGL 12000*  
3 hrs 3 cr.

**ENGL 21800 - Advanced Expository Writing**
Frequent writing practice, with emphasis on clarity, style and organization.

*prereq: ENGL 12000 3 hrs + conf 3 cr.*

**ENGL 30100 - Theory and Practice of Expository Writing**

GER 3/A
Composition in variety of nonfiction prose forms and study of rhetorical theories.

*prereq: ENGL 22000 3 hrs 3 cr.*

**ENGL 30800 - Workshop in Non-Fiction I**

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of various non-fiction genres, including memoir/autobiography and other forms of personal essays, review essays, occasional pieces, and philosophical essays.

*prereq: ENGL 30000 3 hrs 3 cr.*

**ENGL 30900 - Workshop in Non-Fiction II**

GER 3/A
A continuation of Workshop in Non-Fiction I, with increasing emphasis on craft and revision.

*This course may be repeated once for credit.*

*prereq: ENGL 30000 and 30800 3 hrs 3 cr.*

**ENGL 33100 - The Structure of Modern English**

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.

*prereq: ENGL 22000 3 hrs 3 cr.*

2. Choose either Option A or Option B

**Option A: Two courses in contemporary US literature written in English from the following courses (6 cr.)**

**ENGL 32000 - Multi-Ethnic American Literature (W)**

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.

*prereq: ENGL 22000 3 hrs 3 cr.*
ENGL 32100 - Studies in African American Literature

GER 3/A PD/B
Selected works by African American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 37700 - 20th Century American Fiction

GER 3/A
Study of such authors as Dreiser, Wharton, Fitzgerald, Hemingway, Faulkner, Porter, Warren, O'Connor, Nabokov and Bellow.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 37900 - 20th Century American Drama

GER 3/A
Study of such authors as O'Neill, Wilder, Hellman, Miller, Williams, Hansberry and Albee.
prereq: ENGL 22000
3 hrs3 cr.

AFPRL 35600 - Latino Literature in English (W)

GER 3/A PD/B
Latino writing in English in the U.S.; analysis of cultural, linguistic and ideological factors as found in the work of such authors as Sandra Cisneros (Chicana), Pedro Pietri (Puerto Rican) and Oscar Hijuelos (Cuban-American).
3 hrs3 cr.

Option B: One courses from Option A above and one of the following courses (6 cr.)

ANTHC 15100 - Introduction to Linguistics

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.
3 hrs3 cr.

ANTHC 35100 - Language in Culture and Society

GER 3/B
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social and political life; language, ideology and identity.
3 hrs3 cr.

ANTHC 35300 - Phonological Analysis and Theory
GER 3/B
Phonetics of diverse languages, their phonemic analysis at different levels of theory, including distinctive feature analysis and phonological links to grammar.
prereq: ANTHC 15100 or equiv.
3 hrs3 cr.

ANTHC 35400 - Grammatical Analysis and Theory

GER 3/B
Methods of syntax and morphology in work with diverse languages; syntactic theories and their development relative to universals, semantics, pragmatics, discourse.
prereq: ANTHC 15100 or equiv.
3 hrs3 cr.

AFPRL 18100 - Language and Ethnic Identity

ENGL 33200 - History of the English Language (W)
Development of English from earliest records to the present. Spread of English across the globe. Effects on English of contacts with other languages. Satisfies linguistics but not literature requirements.
prereq: ENGL 22000
3 hrs3 cr.

MEDP 24000 - Effective Speechmaking
Development of skills in speechmaking and media presentation.
prereq: MEDIA 18000
3 hrs3 cr.

MEDP 29200 - Basic Reporting (W)
Workshop and discussion to provide basic skills of newspaper writing.
prereq: MEDIA 18000
3 hrs3 cr.

MEDP 29300 - Advanced Reporting (W)
Intermediate course to advance skills in writing and reporting.
prereq: MEDP 29200
3 hrs3 cr.

THEA 16100 - Acting I: Basic Acting Techniques
For intended majors and non-majors. Exploration of the fundamentals of acting technique through improvisation.
coreq:
3 hrs3 cr.

THEA 26100 - Acting II: Contemporary Drama
GER 3/A
Fundamentals of scene study focusing on text analysis, personalization, objective and action using American realism.
*prereq: THEA 16100 or perm instr.*
4 hrs 3 cr.

THEA 26200 - Acting III: Contemporary Drama
GER 3/A
Continued work on scene study using realistic plays from the world repertory.
*prereq: THEA 26100 or perm instr.*
*coreq: THEA 26300*
4 hrs 3 cr.

Romance Languages - BA

Honors
Students qualified to graduate with departmental honors must take an honors course or equivalent approved by the departmental advisers. Departmental honors will be conferred upon a recommendation from the appropriate departmental committee. Candidates must present a paper of at least 7,000 typewritten words in the language of specialization. Consult the department for further information.

Graduate Study
Qualified seniors with a minimum GPA of 3.5 in their discipline may be admitted to graduate level courses. Permission must be secured from the chair and then forwarded to the dean. Consult the graduate catalog for requirements and regulations.

Major (36 cr)
Intended for students who want to specialize in two Romance languages.

- Required: 34100 and 34200 in each of two chosen languages (12 cr)
- and -

- 9 credits in advanced literature in each of the two languages (18 cr)
- 3 credits in culture or translation in each of the two languages (6 cr)

Minor (12 cr)
Students majoring in one or more Romance languages take as a minor 12 credits in one field of study that leads to a BA degree, which must be approved by the departmental adviser.

Minor for Non-Majors
Students wishing to minor in a Romance Languages major must consult with their major departmental adviser for course approval of their 12 minor credits.
Study Abroad

All study abroad programs are open to students from Hunter College and other accredited institutions. Majors and minors in the Department of Romance Languages are strongly encouraged to participate in study abroad programs (see adviser for GPA requirements).

Qualified students can apply for financial aid and STOCS grants.

Spanish - BA

Preparation for Teaching French, Spanish or Italian Adolescent Education (grades 7-12)

Students pursuing adolescent education must complete the 30 or 36 credit major in one of these languages and, in addition, complete the course in second language acquisition (3 cr). The 23-credit pedagogical sequence in adolescent education will serve as the minor. See the School of Education section of the catalog for further information.

Major

The Spanish major provides two concentrations:

a. Spanish Literature (36 cr)

b. Major concentration in Spanish-English/English-Spanish translation and interpretation (36 cr)

Honors

Students qualified to graduate with departmental honors must take an honors course or equivalent approved by the departmental advisers. Departmental honors will be conferred upon a recommendation from the appropriate departmental committee. Candidates must present a paper of at least 7,000 typewritten words in the language of specialization. Consult the department for further information.

Minor in Spanish

1. Spanish Minor

The Spanish minor consists of 15 credits of courses that are taught entirely in Spanish and combines language, civilization, and literature.

The prerequisite for a Spanish minor consists of either

SPAN 20200 - Intermediate Spanish II

Language lab mandatory.

*Spanish for English speakers.*

*prereq: SPAN 20100 or three yrs high school Spanish*

*3 hrs 3 cr.*
SPAN 20800 - Advanced Spanish for Native Speakers

Spanish for native speakers.
prereq: SPAN 20700 or perm dept.
3 hrs 3 cr.
    or equivalent proficiency

2. Minor in Spanish Cultures and Literatures

The following courses are required for a minor in Spanish Cultures and Literatures:

Two language courses

Two language courses (6 credits) above the SPAN 20200 (non-heritage speakers) or SPAN 20800 (heritage speakers) level, at least one of which must be a 300-level course. Recommended courses are:

SPAN 21100 - Spanish Grammar and Composition

Not recommended for fluent speakers of Spanish. Study of grammatical and syntactical patterns. Practice in reading, writing and speaking Spanish.
prereq: SPAN 20200 or 20300
3 hrs 3 cr.

SPAN 22100 - Spanish for Oral Communication

Not for fluent Spanish speakers.
prereq: SPAN 20200 or equiv. and perm adviser
3 hrs 3 cr.

SPAN 27000 - Spanish Composition for Spanish Speaking Students

prereq: SPAN 20800 or perm adviser
3 hrs 3 cr.

SPAN 31100 - The Structure of Modern Spanish

prereq: SPAN 20200, 20300, 20800, 21100 or equiv.
3 hrs 3 cr.

SPAN 31200 - Advanced Spanish Writing

Applying morphosyntactical patterns through intensive composition. Exploration of various writing forms. Required of all Spanish majors.
prereq: SPAN 31100 or equiv.
3 hrs 3 cr.
One civilization course

One civilization course (3 credits) chosen from

**SPAN 33500 - Spanish Civilization**

GER 3/A PD/D  
*prereq: SPAN 20800, 21100 or dept. perm*  
3 hrs 3 cr.

-or-

**SPAN 33600 - Latin American Civilization**

GER 3/A  
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in Spanish.  
*prereq: SPAN 20800, 21100 or dept. perm*  
3 hrs 3 cr.

Two literature courses

Two literature courses (6 credits) on Spanish or Latin American literature. Recommended courses include:

**SPAN 27500 - Readings in Modern Spanish Literature**

PD/D  
Representative writers: Unamuno, Lorca, Cela.  
*prereq: SPAN 20200, 20300, 20800, 21100 or four yrs high school Spanish or dept. perm*  
3 hrs 3 cr.

**SPAN 27600 - Readings in Modern Spanish- American Literature**

Representative writers: Borges, Neruda, Cortazar, Garcia Márquez.  
*prereq: SPAN 20200, 20300, 20800 21100 or four yrs high school Spanish or dept. perm.*  
3 hrs 3 cr.

Alternately, students may take 300-level Spanish and Latin American literature courses from the following list by special permission of adviser:

**SPAN 34300 - Spanish Literature of the Middle Ages**

GER 3/A PD/D  
After exploring Al Andalus’ poetry, prose and philosophy written by Muslim and Jewish authors; the Castilian epic *Poema de Mio Cid*, the beginning of the Christian cult of Virgin Mary (*Milagros de Nuestra Señora*), the origins of the short stories (*Libro de Conde Lucanor*), and the elegy will be studied. Special attention will be given to the position of women since the 12th Century, especially in *Libro de buen amor*.  
*prereq: SPAN 34100*  
3 hrs 3 cr.
SPAN 34500 - Spanish Drama of the Golden Age

GER 3/A PD/D
Theatre of 16th and 17th centuries, Lope de Vega and Calderon.
**prereq:** SPAN 34100
3 hrs 3 cr.

SPAN 34600 - Cervantes

GER 3/A PD/D
Don Quijote.
**prereq:** SPAN 34100
3 hrs 3 cr.

SPAN 34900 - Spanish Prose of the Golden Age

GER 3/A PD/D
Principal themes and genres of prose production in Spain in the 16th and 17th centuries, with emphasis on such authors as Rojas, Santa Teresa, Cervantes, Zayas and Quevedo.
**prereq:** SPAN 34100
3 hrs 3 cr.

SPAN 35000 - Spanish Poetry of the Golden Age

GER 3/A PD/D
Principal forms and issues of poetic composition in Spain in the 16th and 17th centuries, with emphasis on major poets such as Garcilaso, Fray Luis, San Juan de la uz, Lope, Quevedo and Góngora.
**prereq:** SPAN 34100
3 hrs 3 cr.

SPAN 35300 - Spanish Neoclassicism and Romanticism

GER 3/A PD/D
Representative works of Neoclassical and Romantic periods, including costumbrismo.

**prereq:** SPAN 34100
3 hrs 3 cr.

SPAN 35500 - Spanish Literature from Realism to World War I

GER 3/A PD/D
From Realism and Naturalism through the Generation of 1898 and Modernism.
**prereq:** SPAN 34100
3 hrs 3 cr.

SPAN 35700 - Early 20th Century Spanish Literature

GER 3/A PD/D
Presentation of the major writers and works of the first 40 years of 20th century Spanish literature.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35800 - Post-Civil War Spanish Literature

GER 3/A PD/D
Major trends and writers since the Spanish Civil War, with particular attention to the social, cultural and political context.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36000 - Spanish-American Literature of the Colonial Period

GER 3/A
Masterpieces from the 16th to the late 18th centuries; from the age of exploration to the period of independence.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36200 - Spanish-American Romanticism, Realism and Naturalism

GER 3/A
Representative works of 19th century Spanish-American literature.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36400 - Spanish-American Modernism and Post-modernism

GER 3/A
Modernist and post-modernist authors.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36500 - Survey of Spanish-American Teatro

GER 3/A
Survey of major trends in Spanish-American dramatic literature from colonial days to the present, with emphasis on the second half of the 20th century.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36600 - Contemporary Latin American Poetry

GER 3/A
Major trends, such as Vanguardia, Brazilian Modernismo, Caribbean poetry, Anti-Poetry, Exteriorismo and popular poetry.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36700 - Latin American Essay
GER 3/A
Exploration of the essay as an aesthetic form and its role in the social and cultural struggles that have marked Latin-American history.

prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36800 - Contemporary Latin American Narrative

GER 3/A
Major trends, such as the Indianist novel, Mexican Revolution, social and psychological realism, novel of the 'boom', novel of the dictator.

prereq: SPAN 34100
3 hrs 3 cr.

SPAN 37000 - Special Topics in Spanish Literature

GER 3/A PD/D
May be repeated with different topic.

prereq: SPAN 34100; permission of adviser.
3 hrs 3 cr.

Note:

Students may use transfer credits and credits from the Hunter programs in Spain and Argentina up to a maximum of 6 credits. At least 9 credits of the minor must be completed in residence at Hunter.

Graduate Study

Qualified seniors with a minimum GPA of 3.5 in their discipline may be admitted to graduate level courses. Permission must be secured from the chair and then forwarded to the dean. Consult the graduate catalog for requirements and regulations.

Study Abroad

All study abroad programs are open to students from Hunter College and other accredited institutions. Majors and minors in the Department of Romance Languages are strongly encouraged to participate in study abroad programs (see adviser for GPA requirements).

Qualified students can apply for financial aid and STOCS grants.

Spanish in Spain is offered during June, July, or both months at the Universidad Antonio de Nebrija in Madrid. Spanish in Argentina is offered during the winter break in Mar del Plata (Argentina) at the Universidad Nacional de Mar del Plata.

Spanish Literature (36 cr)

Spanish Literature
SPAN 31100 - The Structure of Modern Spanish

prereq: SPAN 20200, 20300, 20800, 21100 or equiv.  
3 hrs 3 cr.

SPAN 31200 - Advanced Spanish Writing

Applying morphosyntactical patterns through intensive composition. Exploration of various writing forms. Required of all Spanish majors.  
prereq: SPAN 31100 or equiv.  
3 hrs 3 cr.

SPAN 34100 - Introduction to Hispanic Literature I

GER 3/A PD/D  
Prerequisite or corequisite to most courses in major sequence. Basic interpretive and research skills for Spanish majors and other qualified students through study of key works of Spanish and Spanish-American authors.  
prereq or coreq: SPAN 31100 or dept. perm  
3 hrs 3 cr.

SPAN 34200 - Introduction to Hispanic Literature II

GER 3/A PD/D  
prereq: SPAN 34100 coreq: SPAN 31200  
3 hrs 3 cr.

In addition, 6 credits in literature before the 19th century

choose from:

SPAN 34300 - Spanish Literature of the Middle Ages

GER 3/A PD/D  
After exploring Al Andalus’ poetry, prose and philosophy written by Muslim and Jewish authors; the Castilian epic Poema de Mio Cid, the beginning of the Christian cult of Virgin Mary (Milagros de Nuestra Señora), the origins of the short stories (Libro de Conde Lucanor), and the elegy will be studied. Special attention will be given to the position of women since the 12th Century, especially in Libro de buen amor.  
prereq: SPAN 34100  
3 hrs 3 cr.

SPAN 34500 - Spanish Drama of the Golden Age

GER 3/A PD/D  
Theatre of 16th and 17th centuries, Lope de Vega and Calderon.  
prereq: SPAN 34100  
3 hrs 3 cr.

SPAN 34600 - Cervantes
GER 3/A PD/D
Don Quijote.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 34900 - Spanish Prose of the Golden Age

GER 3/A PD/D
Principal themes and genres of prose production in Spain in the 16th and 17th centuries, with emphasis on such authors as Rojas, Santa Teresa, Cervantes, Zayas and Quevedo.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 35000 - Spanish Poetry of the Golden Age

GER 3/A PD/D
Principal forms and issues of poetic composition in Spain in the 16th and 17th centuries, with emphasis on major poets such as Garcilaso, Fray Luis, San Juan de la uz, Lope, Quevedo and Góngora.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 35300 - Spanish Neoclassicism and Romanticism

GER 3/A PD/D
Representative works of Neoclassical and Romantic periods, including costumbrismo.

prereq: SPAN 34100
3 hrs3 cr.

9 credits in Latin American literature

choose from:
(At least 3 credits from this category must be in contemporary literature)

SPAN 36000 - Spanish-American Literature of the Colonial Period

GER 3/A
Masterpieces from the 16th to the late 18th centuries; from the age of exploration to the period of independence.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36200 - Spanish-American Romanticism, Realism and Naturalism

GER 3/A
Representative works of 19th century Spanish- American literature.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36400 - Spanish-American Modernism and Post-modernism
GER 3/A
Modernist and post-modernist authors.
*prereq: SPAN 34100
3 hrs 3 cr.

**SPAN 36500 - Survey of Spanish-American Teatro**

GER 3/A
Survey of major trends in Spanish-American dramatic literature from colonial days to the present, with emphasis on the second half of the 20th century.
*prereq: SPAN 34100
3 hrs 3 cr.

**SPAN 36600 - Contemporary Latin American Poetry**

GER 3/A
Major trends, such as Vanguardia, Brazilian Modernismo, Caribbean poetry, Anti-Poetry, Exteriorismo and popular poetry.
*prereq: SPAN 34100
3 hrs 3 cr.

**SPAN 36700 - Latin American Essay**

GER 3/A
Exploration of the essay as an aesthetic form and its role in the social and cultural struggles that have marked Latin-American history.
*prereq: SPAN 34100
3 hrs 3 cr.

**SPAN 36800 - Contemporary Latin American Narrative**

GER 3/A
Major trends, such as the Indianist novel, Mexican Revolution, social and psychological realism, novel of the 'boom', novel of the dictator.
*prereq: SPAN 34100
3 hrs 3 cr.

**SPAN 37100 - Special Topics in Spanish-American Literature**

GER 3/A
May be repeated with different topic.
*prereq: SPAN 34100; permission of adviser.
3 hrs 3 cr.

Three additional credits must be taken from either one of the following courses:

**SPAN 33500 - Spanish Civilization**
GER 3/A PD/D
prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

SPAN 33600 - Latin American Civilization

GER 3/A
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in Spanish.
prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

The remaining 6 credits

Students may choose the remaining 6 credits in any course in literature from Spain or Hispanic America numbered above 342. Students planning to teach in grades 7-12 must also complete 3 credits in Second Language Acquisition:

SPAN 39900 - Second Language Acquisition

prereq: at least three courses at the 300-level in the language; ENGL 12000
3 hrs3 cr.

SPAN 49500 - Independent Study in Hispanic Literature

PD/D
prereq: perm dept.
1-3 cr.

SEDC 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

The nature of language, and language acquisition/learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.
prereq or coreq: SEDF 20300, 20400
3 hrs3 cr.

• SEDC 712 (see graduate catalog)

Sociology

About the Department

A major in sociology provides the undergraduate with the opportunity to gain a distinct intellectual perspective and a method of inquiry. By continually testing conventional wisdom against evidence, the study of sociology encourages the development of critical judgment. By routinely considering the matrix of social and cultural facts, such study can lead students to an understanding of the conditions under which social facts emerge, and the consequences they have for
individuals, groups, societies and social institutions. It can also help students better understand their own roles in the array of social institutions in which they are entwined.

Our courses provide a foundation for the student who desires to pursue advanced graduate studies in sociology leading to teaching positions. The department offers a wide range of specialties offering students flexibility in their choice of PhD programs. A major in sociology also helps to prepare students for many careers: social research, marketing, media, and other fields in the private sectors, as well as law, civil service and public policy, social work, the health professions, personnel work and other human-service areas.

Majors are encouraged to develop skills in observation, interviewing, and other data-collection techniques; data processing; statistical and content analysis; and trend analysis — all marketable skills in many career lines.

**Programs and Courses**

Programs and Courses in Sociology

**Administration and Faculty**

Department Office:

1622 West  
(212) 772-5585/5244  
fax: (212) 772-5645  
Web site: http://maxweber.hunter.cuny.edu/socio

Chair:

Charles Green  
1622 West  
212 772-5635  
E-mail: cgreen@hunter.cuny.edu

Advising Office:

1619 Hunter West  
(212) 772-5576  
Fax: (212) 772-5645

Graduate Advising:

1601 Hunter West  
(212) 772-5580

Presocial Work:

1603 Hunter West  
(212) 772-5583  
E-mail: socadvis@hunter.cuny.edu

Faculty

Sociology Faculty
Sociology - BA

Major

The department recommends a GPA of at least 2.3 when declaring the major. Prospective majors should also have already taken several sociology courses at Hunter.

In addition to the following, the sociology major consists of 27 credits

**SOC 10100 - Introduction to Sociology**

GER 2/B
Development of sociological imagination through introduction and application of basic concepts incorporating global and comparative perspectives.
3 hrs3 cr.

Six of these credits must include

**SOC 24000 - Introduction to Research Methods**

GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.
*prereq: SOC 10100*
3 hrs3 cr.

**SOC 24100 - Social Statistics**

GER 3/B
Application of elementary statistical techniques. Introduction to statistical inference and sampling theory.
*prereq: SOC 10100*
3 hrs3 cr.

Six credits must be in

**SOC 22100 - Classical Sociological Theory**

GER 3/B PD/D
Classical theorists and their contributions.
*prereq: SOC 10100*
3 hrs3 cr.

**SOC 22300 - Current Sociological Theory**
GER 3/B
Significance of concepts and nature of evidence applied to leading theories. Theory construction.
prereq: SOC 10100, SOC 22100, major
3 hrs 3 cr.

Of the remaining 15 credits, at least 6 must be in courses at the 300 level or above.

No more than 3 credits from the following may be used to satisfy this requirement.

**SOC 33100 - Field Placement in Social Work Agencies**

GER 3/B
Supervised work in social service agency, weekly seminar, preparation of weekly assignments and term paper.
prereq: SOC 10100, perm instr.
8 hrs per week 3 cr.

**SOC 33200 - Advanced Field Placement in Social Work Agencies**

GER 3/B
Supervised work in social service agency, weekly seminar, agency-based research project.
prereq: SOC 10100, SOC 33100 or documented equiv. experience in social work agency, perm instr.
8 hrs per week 3 cr.

**SOC 37101 - Independent Study**

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.
prereq: SOC 10100, perm instr.
1 hr 1 cr

**SOC 37200 - Independent Study**

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.
prereq: SOC 10100, perm instr.
3 cr. each sem

**SOC 47100 - Honors/Independent Study**

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

**SOC 47200 - Honors/Independent Study**
GER 3/B
Advanced independent research project under direction of full-time member of department.
prm: SOC 10100, perm instr.
3 cr. each sem

SOC 49800 - Internship
GER 3/B
Open to advanced majors only. Placement of qualified sociology majors off campus in professional nonsocial service internship settings. Credits are based on analytic internship report, number of hours worked and by written evaluation by agency/company intern supervisor.
prm: SOC 22100 or 22300 and SOC 24000; major; perm supervising full-time faculty
hrs TBA-3 cr.

Minor
Students choosing to minor in sociology should consult a sociology adviser to determine their selection of courses. Students minoring in sociology must take

SOC 10100 - Introduction to Sociology
GER 2/B
Development of sociological imagination through introduction and application of basic concepts incorporating global and comparative perspectives.
3 hrs3 cr.

SOC 22100 - Classical Sociological Theory
GER 3/B PD/D
Classical theorists and their contributions.
prm: SOC 10100
3 hrs3 cr.

as well as one additional course on the 200-level and one recommended on the 300-level

Special Programs

The COR Program
The departments of psychology, anthropology, and sociology jointly offer a program called COR (Career Opportunities in Research and Education). This interdisciplinary research training program for talented minority juniors and seniors is funded by the National Institute of Mental Health. Participants receive a monthly stipend, tuition and fee remittance; they take a special curriculum, and get individualized research training in a variety of areas under the supervision of a faculty mentor. The program has several levels of participation, and all minority students - especially freshmen and sophomores - intending to pursue a research-related career in the participating disciplines are urged to register with the program. Additional details and descriptive literature are available from the COR program adviser.

Independent Study
Students may pursue independent study through

**SOC 37101 - Independent Study**

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.

*prereq: SOC 10100, perm instr.*

1 hr 1 cr

**SOC 37200 - Independent Study**

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.

*prereq: SOC 10100, perm instr.*

3 cr. each sem  
 or

**SOC 47100 - Honors/Independent Study**

GER 3/B
Advanced independent research project under direction of full-time member of department.

*prereq: SOC 10100, perm instr.*

3 cr. each sem

**SOC 47200 - Honors/Independent Study**

GER 3/B
Advanced independent research project under direction of full-time member of department.

*prereq: SOC 10100, perm instr.*

3 cr. each sem

**Additional Information**

These options allow students to initiate and carry out a course of study of their own choosing under the guidance of a full-time faculty sponsor. Students must have a written proposal and a general plan of study to submit to the potential faculty mentor.

**Honors**

In order to graduate with departmental honors in sociology, students must have a 3.0 GPA overall and a 3.5 GPA in sociology; at least 21 of the credits toward the major should have been courses taken at Hunter College.

Students must complete either an Honors Seminar

**SOC 47300 - Honors Seminar**
GER 3/B
Honors paper.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47400 - Honors Seminar

GER 3/B
Honors paper.
prereq: SOC 10100, perm dept.
3 cr. each sem

or an Honors Independent Study

SOC 47100 - Honors/Independent Study

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47200 - Honors/Independent Study

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

or a graduate course

SOC 42500 - Seminar in Selected Problems of Sociology

GER 3/B
Advanced seminar: reading, discussion, and papers on significant problems in sociology and in applied social research; in most cases cross-listed with graduate social research course or seminar.

prereq: SOC 10100, perm instr.
3 hrs3 cr

Additional Information

Students whose GPAs are within this range are urged to consult their adviser before planning senior year programs of study, since honors seminars are generally offered only once per year, usually in the fall semester. In addition, students qualifying for departmental honors are eligible for membership in Alpha Kappa Delta, the International Sociology Honor Society. See adviser for more information.

Internships
Provided students secure approval of a full-time faculty member, internships can be carried out for 3 to 6 credits in the areas of marketing, media, and politics, with other areas provided faculty supervision can be secured. Interested students must meet the requirements listed under the SOC 49800 entry.

Awards

The Department of Sociology offers two prestigious awards to outstanding students in sociology and applied social research. The Norman Hecht Award of up to $300 is provided on an irregular basis for the best research concept developed by an undergraduate or graduate student studying applied social research. It can be granted to an individual student or a group of students. Once a year at the end of the spring term the Benjamin Ringer Award, carrying a cash stipend of $100, is granted for the best undergraduate paper in the areas of ethnic and race relations. The endowed Rosalyn Tough Award is granted with a cash stipend to outstanding sociology or social research students. Two Suzanne Keller Awards with a stipend of $250 each are granted at the end of the academic year. One goes to the graduating sociology major with the best academic record. The second Keller award is given to the best BA/MS graduate entering the field of applied social research. The annual Chicago Award with a $100 stipend is given to a work-study student or research assistant whose contribution to a faculty member’s work is acknowledged in the faculty member’s publication. For more information about the awards contact the departmental advisers.

Career Opportunities

Applied Social Research

Students interested in careers in research-related fields such as media and marketing research, policy analysis and evaluation, advertising, consumer behavior, and public opinion polling, as well as students who are contemplating graduate studies in sociology, are encouraged to gain research experience through selected coursework and independent research carried out under faculty supervision.

In addition to the following, which are required for the major,

**SOC 24000 - Introduction to Research Methods**

GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.

*prereq: SOC 10100*

3 hrs 3 cr.

**SOC 24100 - Social Statistics**

GER 3/B
Application of elementary statistical techniques. Introduction to statistical inference and sampling theory.

*prereq: SOC 10100*

3 hrs 3 cr.

Students interested in research should consider
SOC 35000 - Qualitative Research Methods (W)

GER 3/B
An introduction to the most prevalent qualitative research approaches used in applied social research and sociology, including documentary analysis, participatory observation, ethnography, in-depth interviews, focus groups and related methods.

prereq: SOC 22100 or 22300
3 hrs3 cr.

Select electives from the following:

SOC 25900 - Mass Media, Communication and Public Opinion (W)

GER 3/B
Impact of mass media on public opinion and government action.

prereq: SOC 10100 ENGL 12000
3 hrs3 cr.

SOC 31100 - Population Dynamics

GER 3/B
Comparative analysis of fertility, mortality, migration trends, and related social factors.

prereq: SOC 10100
3 hrs3 cr.

SOC 31300 - Consumer Behavior

GER 3/B
Individual and social perspectives on consumer decision making. Social patterns of consumption and consumer social movements.

prereq: SOC 10100
3 hrs3 cr.

SOC 36300 - Social Change

GER 3/B
Process of development of institutions, communities, and nations.

prereq: SOC 10100
3 hrs3 cr.

SOC 44100 - Advanced Research Methods

GER 3/B
Evaluates strategies and instruments available to sociologists such as socio-geographic mapping.

prereq: SOC 24000, 24100
3 hrs3 cr.

Additional Information
The department has also participated in a number of programs that place qualified minority students in summer research internships at leading universities. See advisers for more information.

Social Work

Students interested in careers in social work or other human services are strongly encouraged to consult the pre-social work adviser (Prof. Poppendieck, Room 1603 Hunter West, (212) 772-5583, jpoppend@hunter.cuny.edu). The presocial work advising office offers information about graduate study in social work as well as help with program planning.

Pre-social work

Pre-social work students without work experience in the human services should plan to take the following courses that provide supervised field experience.

**SOC 33100 - Field Placement in Social Work Agencies**

- **GER 3/B**
- Supervised work in social service agency, weekly seminar, preparation of weekly assignments and term paper.
  - *prereq: SOC 10100, perm instr.*
  - 8 hrs per week
  - 3 cr.

**SOC 33200 - Advanced Field Placement in Social Work Agencies**

- **GER 3/B**
- Supervised work in social service agency, weekly seminar, agency-based research project.
  - *prereq: SOC 10100, SOC 33100 or documented equiv. experience in social work agency, perm instr.*
  - 8 hrs per week
  - 3 cr.

  Ideally, this coursework should be completed by the end of the junior year, and students must meet with the instructor in the previous semester to arrange a placement.

Directly related to social work

While virtually all sociology courses are relevant to the practice of social work, several courses are directly related to social work

**SOC 23100 - Introduction to Social Work Profession**

- **GER 3/B**
- Introduction to and critical analysis of the social work profession in American society.
  - *prereq: SOC 10100*
  - 3 hrs
  - 3 cr.

**SOC 23500 - Community Organization and Action**

- **GER 3/B**
- Evaluation of specific local and national action programs.
**prereq: SOC 10100**  
3 hrs3 cr.

**SOC 23700 - Social Welfare Policy**

GER 3/B  
Development of welfare institutions. Consequences of welfare services for client and community.  
*prereq: SOC 10100*  
3 hrs3 cr.

**SOC 23900 - Child Welfare (W)**

GER 3/B  
Historical and contemporary perspectives on the impact of poverty on children and the social policies that deal with it.  
*cross-listed WGS 23900 (W)*  
*prereq: SOC 10100, ENGL 12000*  
3 hrs3 cr.

**Graduate Courses**

Qualified undergraduates seeking more advanced or specialized work may, with the permission of the instructor, be permitted to take graduate courses. Consult the graduate catalog for course listings.

**Major Areas of Study**

Students may design their own areas of concentration but they are not required to do so.

1. **Interpersonal Processes and Relations**

**SOC 20100 - The Family**

GER 3/B PD/C  
Family functions and interaction. Factors affecting stability and instability.  
*cross-listed WGS 22300*  
*prereq: SOC 10100*  
3 hrs3 cr.

**SOC 25100 - Interpersonal Behavior**

GER 3/B  
Study of interactional processes and the emergence and maintenance of selves and identities.  
*prereq: SOC 10100*  
3 hrs3 cr.

**SOC 25300 - Deviance and Social Control**

GER 3/B  
Theories of causation and analysis of particular types of deviance: sexual, criminal, political.
prereq: SOC 10100
3 hrs 3 cr.

2. Social Inequality

SOC 21700 - Race and Ethnicity

GER 3/B PD/B
Dominant-subordinate relations among selected groups: Asians, Blacks, Hispanics, Jews, Indians, White ethnics.
prereq: SOC 10100
3 hrs 3 cr.

SOC 21800 - Social Inequality

GER 3/B
Examination of social inequality in contemporary society from various empirical and theoretical perspectives focusing on class, ethnic, gender, and other determinants of stratification.
prereq: SOC 10100
3 hrs 3 cr.

SOC 21900 - American Society (W)

GER 3/B
Analysis of social structures and culture of the contemporary USA.
prereq: SOC 10100, ENGL 12000
3 hrs 3 cr.

SOC 25700 - Sex and Gender Roles

GER 3/B PD/C
Sex role differentiation: femininity, masculinity, marriage, child rearing.
cross-listed WGS 25700
prereq: SOC 10100
3 hrs 3 cr.

SOC 31700 - Class, Status, and Power

GER 3/B
Inquiry into the empirical and conceptual relation between the fundamental sociological constructs of 'class', 'status', and 'power' through a case study of the upper class in the United States. Review of current research and relevant theoretical approaches.
prereq: SOC 10100
3 hrs 3 cr.

3. Social Welfare and Policy

SOC 23100 - Introduction to Social Work Profession
GER 3/B
Introduction to and critical analysis of the social work profession in American society.
prereq: SOC 10100
3 hrs3 cr.

SOC 23500 - Community Organization and Action

GER 3/B
Evaluation of specific local and national action programs.
prereq: SOC 10100
3 hrs3 cr.

SOC 23700 - Social Welfare Policy

GER 3/B
Development of welfare institutions. Consequences of welfare services for client and community.
prereq: SOC 10100
3 hrs3 cr.

SOC 23900 - Child Welfare (W)

GER 3/B
Historical and contemporary perspectives on the impact of poverty on children and the social policies that deal with it.
cross-listed WGS 23900 (W)
prereq: SOC 10100, ENGL 12000
3 hrs3 cr.

4. International Studies

SOC 31300 - Consumer Behavior

GER 3/B
Individual and social perspectives on consumer decision making. Social patterns of consumption and consumer social movements.
prereq: SOC 10100
3 hrs3 cr.

SOC 31800 - Sociology of Human Rights in Latin America

GER 3/B
Types of societies in which human rights are respected or violated with special emphasis on Latin American regimes in the last two decades. Human rights and diversity the rights of women and minorities. Movements to protect human rights. The emphasis is on actual social conditions which foster or impede the observance and protection of human rights.
prereq: SOC 10100
3 hrs3 cr.

SOC 36100 - Development and Modernization (W)
GER 3/B PD/A
Examinations of models of social change with a special focus on developing countries.
prereq: SOC 10100
3 hrs3 cr.

SOC 36200 - Sociology of Islam (W)
GER 3/B
Introduction to Islam as religion and culture with emphasis on how misconceptions have permeated our understanding of Islam. Analysis from a historical perspective which serves as a framework for comprehending Islam's dogma, rituals, and legal system.
prereq: SOC 10100
3 hrs3 cr.

5. Applied Social Research

SOC 24000 - Introduction to Research Methods
GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.
prereq: SOC 10100
3 hrs3 cr.

SOC 24100 - Social Statistics
GER 3/B
Application of elementary statistical techniques. Introduction to statistical inference and sampling theory.
prereq: SOC 10100
3 hrs3 cr.

SOC 31100 - Population Dynamics
GER 3/B
Comparative analysis of fertility, mortality, migration trends, and related social factors.
prereq: SOC 10100
3 hrs3 cr.

SOC 31300 - Consumer Behavior
GER 3/B
Individual and social perspectives on consumer decision making. Social patterns of consumption and consumer social movements.
prereq: SOC 10100
3 hrs3 cr.

SOC 34100 - Research Practicum
GER 3/B
Evaluates strategies and instruments available to sociologists such as socio-geographic mapping.
prereq: SOC 24000, 24100
3 hrs3 cr.

SOC 35000 - Qualitative Research Methods (W)

GER 3/B
An introduction to the most prevalent qualitative research approaches used in applied social research and sociology, including documentary analysis, participatory observation, ethnography, in-depth interviews, focus groups and related methods.
prereq: SOC 22100 or 22300
3 hrs3 cr.

6. Theory

SOC 22100 - Classical Sociological Theory

GER 3/B PD/D
Classical theorists and their contributions.
prereq: SOC 10100
3 hrs3 cr.

SOC 22300 - Current Sociological Theory

GER 3/B
Significance of concepts and nature of evidence applied to leading theories. Theory construction.
prereq: SOC 10100, SOC 22100, major
3 hrs3 cr.

7. Fieldwork and Experiential Learning

SOC 33100 - Field Placement in Social Work Agencies

GER 3/B
Supervised work in social service agency, weekly seminar, preparation of weekly assignments and term paper.
prereq: SOC 10100, perm instr.
8 hrs per week3 cr.

SOC 33200 - Advanced Field Placement in Social Work Agencies

GER 3/B
Supervised work in social service agency, weekly seminar, agency-based research project.
prereq: SOC 10100, SOC 33100 or documented equiv. experience in social work agency, perm instr.
8 hrs per week3 cr.

SOC 37101 - Independent Study

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.
prereq: SOC 10100, perm instr.
1 hr 1 cr

SOC 37200 - Independent Study

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47100 - Honors/Independent Study

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47200 - Honors/Independent Study

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 49800 - Internship

GER 3/B
Open to advanced majors only. Placement of qualified sociology majors off campus in professional nonsocial service internship settings. Credits are based on analytic internship report, number of hours worked and by written evaluation by agency/company intern supervisor.
prereq: SOC 22100 or 22300 and SOC 24000; major; perm supervising full-time faculty
hrs TBA-3-6 cr.

Sociology/Social Research - Accelerated BA/MS

Five-Year BA/MS Program

For a limited number of qualified students, the department offers an accelerated five-year program leading to a BA in sociology and an MS in social research. The program requires a total of 145 credits of college work (100 undergraduate, 45 graduate), a three month full-time supervised research internship in a non-academic setting (or part-time for six months), and a research paper. In order to be admitted to the program, students must complete their basic requirements, pass an honors course (independent study or honors seminar), and meet the requirements of the MS program as outlined in the graduate catalog except for the GRE examination. Undergraduate students are typically admitted to the program toward the end of their junior year when they have completed 100 credits and they begin their graduate work at the beginning of their senior year. Interested students should consult the program’s adviser at the earliest possible date.
Theatre

About the Department

The Department of Theatre studies stage production, the history and theory of theatre and drama, and the relationship among text, theory and performance. Theatre courses include acting, playwriting, directing, history, theory, design, production, creative drama and interdisciplinary performance. The curriculum was developed with an emphasis on professional standards within a liberal arts context.

The theatre major requires courses in practical hands-on work, as well as study of theoretical, critical, and historical approaches to theatre. Interdisciplinary courses include acting, lighting and design for theatre, film and television, adaptation for theatre and film, and comparative aesthetics. Students pursuing a major in theatre must work on theatre productions as part of their requirements for graduation. Advanced undergraduate playwrights may have their work produced by Hunter Playwrights.

Many students who graduate from the theatre program work as actors, directors, stage managers, and designers. Some of our students continue their creative study in conservatory or MFA programs. Others continue their education in history and theory as MA or PhD students.

The department maintains associations with major theatre institutions. Students have opportunities for placement as interns and apprentices with various professional groups.

Programs and Courses

Programs and Courses in Theatre

Administration and Faculty

Department Office:

522 North
(212) 772-5148
Web site: http://www.hunter.cuny.edu/theatre

Chair:

Barbara Bosch
520D North
(212)-650-3789
E-mail: bbosch@hunter.cuny.edu

Faculty

Theatre Faculty

HEGIS Code: 1007
Theatre - BA

Honors

Open to any qualified junior or senior with a 3.5 GPA in Theatre and an overall minimum GPA of 2.7 and permission of the chair. Individual work under faculty supervision. Departmental honors granted at graduation.

Major in Theatre (30 cr)

Students must have earned at least 24 credits to declare a Theatre major.

THEA 21100 - World Theatre I (W)

GER 2/C PD/D
Survey of international theatre from its pre-Greek origins to the Spanish Golden Age. 
prereq: ENGL 12000, THEA 10100
3 hrs 3 cr.

THEA 21200 - World Theatre II (W)

GER 2/C PD/D
Survey of international theatre from the Elizabethan period to Wagner. 
prereq: ENGL 12000, THEA 10100
3 hrs 3 cr.

THEA 21300 - World Theatre III (W)

GER 2/C PD/D
Survey of international theatre from 19th-century Naturalism to the present day. 
prereq: ENGL 12000, THEA 10100
3 hrs 3 cr.

THEA 25100 - Theatre Production

Practical and academic work on the departmental production. 
prereq: THEA 10100 or perm instr.
5 hrs 3 cr.

THEA 26100 - Acting II: Contemporary Drama

GER 3/A
Fundamentals of scene study focusing on text analysis, personalization, objective and action using American realism. 
prereq: THEA 16100 or perm instr.
4 hrs 3 cr.

THEA 32100 - Play Analysis (W)
GER 3/A PD/D
Principles of play analysis; examination of play structure, theatrical form, and historical period.
prereq: THEA 21100 or 21200 or 21300
3 hrs 3 cr.

THEA 28100 - Visual Elements of Theatre

Theory and practice of various design elements that constitute complete theatrical production. Course for actors, directors, playwrights, and others not concentrating in design. Practical work on productions included.
prereq: THEA 10100
3 hrs 3 cr.

THEA 28500 - Design Concepts for Theatre, Film, and Television

GER 3/A
Theoretical and practical elements of design in theatre, film, and television.
prereq: THEA 10100 or FILM 10100
3 hrs 3 cr.

- Electives chosen from 300-level courses 6 cr.
- 2 production crews (not-for-credit)

plus one course selected from the following:

THEA 38100 - Scene Design I

GER 3/A
Fundamentals of design for theatre, film, and television.
prereq or coreq: THEA 28100
5 hrs 3 cr.

THEA 38300 - Costuming for the Stage

GER 3/A
Study and practice in stage costuming; historical periods and styles; fabrics, patterns, and construction.
prereq: THEA 28100
5 hrs 3 cr.

THEA 38400 - Stage Lighting

GER 3/A
Principles, techniques, and practice of lighting for theatre, emphasizing its contribution to dramatic interpretation.
prereq: THEA 28100 or FILM 25100
5 hrs 3 cr.

THEA 38500 - Production Design I for Theatre, Film, and Television

GER 3/A
Theory and practice in scenic design for theatre, film, and television.
prereq: THEA 10100 or FILM 10100 and THEA 28500
4 hrs 3 cr.
THEA 38700 - Concepts of Light in Theatre, Film, and Television

GER 3/A
The aesthetics, styles, conventions, and vocabulary of lighting in theatre, film, and television: how light establishes style, mood, rhythm, and atmosphere as interpretive elements of performance.

prereq: THEA 28100 or THEA 28500
3 hrs; 3 cr.

Minor

Theatre majors may select a minor from any department or program in the college that offers a program of study leading to a BA degree. Students should consult the departmental adviser regarding appropriate minor choices.

Minor for Non-Majors

Any 12 credits including THEA 10100, to be selected with major adviser.

Thomas Hunter Honors Program

The interdisciplinary Thomas Hunter Honors Program provides some outstanding undergraduate students with a course of study suited to their individual needs and interests. Students selected for the Thomas Hunter Honors Program must show evidence of high academic potential, interdisciplinary interests and intellectual curiosity, as well as the willingness to explore unfamiliar fields and to accept challenges.

Students may apply for admission to the program on their own or they may be invited to participate in recognition of their outstanding academic records. Many graduates of the Thomas Hunter Honors Program go on to PhD programs in the various arts and sciences, or to law, medical and other professional schools. Others choose careers in a wide variety of professional, artistic and business fields.

College Requirements

The Thomas Hunter Honors Program requires that students maintain breadth in their programs, create a significant pattern of courses in at least two academic areas of investigation (Humanities and Arts, Social Sciences, Sciences and Mathematics), including at least one laboratory science course. All programs must be approved every semester by a Council adviser.

Students must also fulfill the following graduation requirements: ENGL 120; Pluralism and Diversity; and, for those entering Hunter in fall 2001 or later, the Foreign Language Requirement. Note that all colloquia in the 200 or 300 series are “W” courses.

Courses

Courses in Thomas Hunter Honors Program
Administration and Faculty

Program Coordinator:

Sarah R. Jeninsky
(212) 772-4127
sarah.jeninsky@hunter.cuny.edu

Program Office:

1421 West
(212) 772-4127
Web site: http://sapientia.hunter.cuny.edu

Faculty

Thomas Hunter Honors Program Faculty

Thomas Hunter Honors Program

Major

Students in the Thomas Hunter Honors Program who wish to design an interdisciplinary major for themselves may do so in consultation with the appropriate Council adviser. The final transcript of such students designates the major as “Special Honors Curriculum.” Most students in the Thomas Hunter Honors Program, however, also elect to fulfill the requirements for a specific departmental major. These students abide by departmental criteria for the major and minor, and are expected to pursue departmental honors in their major. Their final transcript records the major as Special Honors Curriculum/Specific Department. Whatever their major concentration, all students in the Program must also successfully complete three special interdisciplinary honors colloquia (see further on) and maintain a cumulative grade point average of 3.5 or better until their final certification into the Program. Certification usually occurs in the student’s junior year, when the Council, ruling on each case individually, decides that the student’s continuing academic distinction and promise of future productivity warrant permanent membership in the Thomas Hunter Honors Program.

Thomas Hunter Honors Program students meet regularly in 200-level and 300-level colloquia, led by members of the Council on Honors and by other invited members of the faculty. Students take a minimum of three colloquia, one of which must be at the 200-level, and one of which must be at the 300-level. While the specific content of these courses varies from semester to semester, the underlying principles remain the same.

The 200-level colloquium is taught by one professor, often a member of the Council on Honors, who studies a specific theme using the materials and methodologies of at least two disciplines. Students may take more than one of these colloquia if they so desire, but at least one must be taken during their first year in the Program. The 300-level honors colloquia are special seminars, usually conducted by two professors, devoted to topics lending themselves to broad interdisciplinary investigation.

The colloquia offer breadth of exposure, but, even more importantly, they seek to demonstrate how knowledge gained from a variety of disciplines can be related and integrated in an effort to understand complex processes and phenomena. In all colloquia, students write at least one major paper, in which they apply the methodology of the course to material of particular interest to them.
Upon completion of 90 credits, Thomas Hunter Honors students may also be admitted by the Council to Advanced Interdisciplinary Studies, with the opportunity of engaging in advanced independent study under the Council’s supervision. A thesis or other appropriate report of the results of the student’s research is presented to the Council.

Urban Affairs and Planning

About the Department

Because 75 percent of the nation’s population is classified as urban, cities are important and relevant subjects for study and investigation. Urban studies courses do just that as they examine the forces that shape the institutions and quality of life in American metropolitan regions. Building on an understanding of economic, social, spatial, and political trends, urban studies provides a means to address current urban policy/planning issues and the diverse needs of the people who live in cities. The urban studies curriculum includes courses that develop qualitative and quantitative methods. Included into the curriculum are field-work experiences, an internship and studio class, which take students into the real world to test what is learned in the classroom. Because New York City is a vast urban laboratory, it is a powerful learning tool useful in the development of studio classes and the teaching of urban studies in general.

The department offers several options to students interested in cities and how they function. The most intensive is, of course, the major. Additional programs include elective courses that enhance knowledge about cities, and an advanced public service internship and course that is open to selected students (see Special Programs, below).

Of particular note for non-majors is the specially designed introductory course, “Urban Life: The Personal and Observational View.” Unlike many introductory courses that are confined to the classroom, this “intro” class requires students to go out in the community to map the location of housing, stores, doctors’ offices and parks that define neighborhood character. Students also attend community board meetings where local residents work together to resolve issues about schools, recreation, or the needs of the elderly. The goal of both exercises is to help students get excited about city life and to appreciate the concept of civic responsibility as a way to enhance the quality of life in their home neighborhoods. Of course, the course is designed to give students an appreciation of the important role that race, class, gender and sexual orientation play in urban life.

Preparation for Graduate Training and Employment

A substantial number of majors in urban studies pursue professional graduate study in urban planning, law, social work, public administration, architecture, and related fields. Students should discuss their professional goals with the adviser in their junior year in order to plan their programs accordingly. Others who graduate with an urban studies bachelor’s degree have found jobs with non-profits, government, and the private sector.

Public Service Scholars

The Public Service Scholar Program seeks to improve our cities and the lives of people by preparing talented students particularly women, minorities and immigrants for public service careers through internships with elected officials, government, and nonprofit organizations. The program runs for a full academic year and combines internship placements in the offices of senior officials and administrators with intensive seminars on public policy issues, social change, government and nonprofit organizations. The program is open to any Hunter College student, regardless of major, who has a minimum 3.0 GPA and who is within 45 credits of graduation at the beginning of the program in the fall semester. Admission of up to 24 students is competitive. Applications are accepted starting in November with a deadline of March 15th. Students accepted as Public Service Scholars receive 12 academic credits and a $6,000 stipend. Because women, minorities and immigrants have been traditionally underrepresented in public policy making and leadership positions, special efforts are taken to encourage them to apply for the program. Interested students should
contact the Public Service Scholar Program, Room 1643 Hunter West, (212) 772-5599 or email ewalsh@hunter.cuny.edu.

Programs and Courses in Urban Affairs and Planning

Programs and Courses in Urban Affairs and Planning

Administration and Faculty

Department Office:

1611 West
(212) 772-5518

Web site: http://maxweber.hunter.cuny.edu/urban/

The e-community:

Available to undergrads in urban studies courses and urban studies majors, the site contains information about events, internships, and jobs. On Blackboard look for “Urban Affairs and Planning Community.”

Chair:

Joseph P. Viteritti
1611A West
(212) 772-5515
E-mail: jviter@hunter.cuny.edu

Faculty

Urban Affairs and Planning Faculty

HEGIS Code: 2214

Urban Studies - BA

The urban studies curriculum includes courses that develop qualitative and quantitative methods. Included into the curriculum are field-work experiences, an internship and studio class, which take students into the real world to test what is learned in the classroom. Because New York City is a vast urban laboratory, it is a powerful learning tool. Urban studies faculty use it to make discussions about affordable housing, transit, and recycling come alive and useful to students.

The curriculum is enriched by its location in the Department of Urban Affairs and Planning, which also includes graduate curricula in urban planning and urban affairs. The sharing of faculty and facilities, the interchange among advanced and beginning students, and the cooperation of other social science departments at Hunter create a synergy for comprehensive examination of “urban” concerns in a major city. After graduating, urban studies alumni have pursued public or private sector careers in urban planning, social work, municipal budgeting, public administration, real estate, community economic development, law, business, and journalism.
Major (30 credits)

The Urban Studies major provides a strong background in the study of urban issues, institutions, and policies. In addition, the major includes a methodology component, an internship experience, and appropriate courses selected from closely related social science disciplines. Completion of the major gives students a fuller understanding of contemporary cities from a variety of perspectives: social, physical, political, and economic. The major consists of components A, B, C, and D as listed below. Courses not listed may be selected to complete the major, given the approval from the urban studies program adviser.

A. Urban Studies Core 12 cr

**URBS 10100 - Urban Life: Personal and Observational View (W)**

GER 2/B
Introduction to urban studies allowing students to translate personal knowledge and experience of New York City to more theoretical understanding of urbanism. Includes four projects dealing with mapping, immigration, census data analysis, and local development issues.
3 hrs3 cr.

**URBS 10200 - Structure of Urban Region (W)**

GER 2/B
Introduction to forces shaping institutions and life of contemporary American urban regions. Focus on evolving metropolitan economic, social, demographic, spatial, and political systems, and their relevance to current policy.
prereq: URBS 10100 or relevant intro course (e.g., ECO 10000 or 20100-20200; GEOG 10100, PLSC 11100, SOC 10100) or perm instr.
3 hrs3 cr.

**URBS 20100 - Urban Plans and Policies**

GER 2/B
Includes the study of the policy making process, major plans/policies (e.g. War on Poverty, urban renewal, neighborhood rezoning), “politics/power,” the role of non-profits in urban planning and policy making.
prereq: URBS 10200 or 6 cr. intro social science courses or perm instr.
3 hrs3 cr.

**URBS 31000 - Methods of Urban Research and Policy Analysis**

GER 3/B
Survey of research skills necessary for analysis of contemporary urban issues. Includes review of data sources, methods of forecasting, use of computer, and methods of information presentation.
prereq: URBS 10200 or perm instr.
3 hrs3 cr.

**URBS 31100 - Quantitative Approaches to Urban Analysis**
GER 3/B
A survey of quantitative methods used to analyze urban policy and plans. Students are taught about demography, data analysis, and benefits cost analysis.

Prereq: Open only urban studies majors who have completed the URBS 10100/10200 sequence or perm instr.
3 hrs 3 cr.

B. Urban Studies Electives 6 cr

Select two from:

**URBS 40100 - Managing Urban Physical Environment**

GER 3/B
Advanced study of the physical structure of cities which includes an analysis of zoning, land use, transportation, and the location of housing. The role of public and private agencies at local, state, and national levels in the planning and management of the physical environment is also considered.

Prereq: URBS 20100 or perm instr.
3 hrs 3 cr.

-or-

**URBS 40200 - Urban Social and Economic Development**

GER 3/B
Detailed review of social and economic concerns confronting urban communities, focusing on major problem areas: poverty, health, crime, economic development, unemployment, and racial discrimination.

Prereq: URBS 20100 or perm instr.
3 hrs 3 cr.

Additional Information

Component B can also be met by another 400-level URBS course approved by adviser.

C. Fieldwork Component 3 cr

Select one from:

D. Basic Social Science Component 6 cr

Select two from:

**AFPRL 30400 - Leaders and Movements of Black Urban Communities (W)**

GER 3/B PD/B
Personalities and movements that have influenced Black communities of U.S.; focuses mainly on 20th century.
Prereq: AFPRL 20300 or 20400 or 20500
3 hrs 3 cr.
**ASIAN 39001 - International Migration**

PD/B
This interdisciplinary course examines the origins and processes of migration and settlement, past and present. Includes a series of lectures by leading scholars from a variety of academic fields and immigrant communities. Topics include: immigration and labor, race and gender, social and cultural identity, immigration policy and political action, and the trans-nationalization of education and family life.
3 hrs 3 cr.

**ECO 33000 - Economic Development**

GER 3/B PD/A
Critical variables explaining the diversity of growth and economic and development outcomes across developing countries. Theories, case studies, measurement and policies.
prereq: ECO 20100
3 hrs 3 cr.

**GEOG 22100 - Economic Geography**

GER 2/B
An introduction to the sub-discipline of economic geography, which will include an exploration of the history of both economics and geography, and a rigorous global approach to the subjects. Students will come to understand the history of the development of economic thought, leading up to, and transformed, by today’s crisis, as well as the particularly geographical nature of economic phenomena and processes, and the immense contributions geographers have made to the understanding of economics. Course focus is on the dominant form of global economic activity today, which is capitalistic, and the way this economic structure plays out through different geographies at different historical moments in time.
Not open to freshmen
prereq: GEOG 10100 or perm instr.
3 hrs 3 cr.
Offered fall and spring

**GEOG 32100 - Transportation Geography**

GER 3/B
A geographic study and modeling of transportation routes and their influences on the location of economic activity.
prereq: GEOG 221 or perm instr.
3 hrs 3 cr.
not offered 2011

**GEOG 34100 - Urban Geography**

GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.
prereq: GEOG 101 or GEOG 150 or perm instr, Jr/Sr only
3 hrs 3 cr.

**GEOG 35700 - Geography of New York City and Vicinity**
GER 3/B
Informed immersion in NYC is the main objective of this course. Students will learn by exploration and observation more than by media. The city is the laboratory to complement readings, lectures and discussion. Students will emerge from this class with an enhanced appreciation of the entire city. Study assignments include keeping a journal of walking assignments as well as readings. Field work will focus on the five boroughs of New York City. (Students with difficulties in walking or using public transportation or who have phobias regarding unfamiliar neighborhoods should consider this before registering.)
*Open to Jr/Sr only.*
*prereq: GEOG 10100*
*3 hrs 3 cr.*
*Offered fall.*

**GEOG 37000 - Geography of Sustainable Development in Developing Countries**

GER 3/B PD/A
Reviews the theories and approaches of international development. Themes include development theory, availability and distribution of resources, population growth, food production, water supply and forestry. The course will also highlight the development and environmental problems that challenge the achievement of sustainable development such as population growth, food and world economic crises, increasing number of the poor and climate change. The course will provide students with theory, methods, problems and analysis of factors that influence sustainable development in developing countries.
*prereq: one of the following: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.*
*3 hrs 3 cr.*

**HIST 31700 - History of the American City**

GER 3/B PD/D
History of the American city from the Colonial era to the present; development of the city as physical environment, social experience, political entity and cultural symbol.
*Courses at the 300-level and above not offered to freshmen.*
*3 hrs 3 cr.*

**HIST 31800 - History of the American Working Class (W)**

GER 3/B PD/D
History of the American working class from Colonial times to the present; changing work experience, community life, organizational efforts and political activity of working people.
*Courses at the 300-level and above not offered to freshmen.*
*prereq or coreq: ENGL 12000*
*3 hrs 3 cr.*

**POLSC 21200 - Urban Politics (W)**

GER 3/B
Politics in New York City and other urban areas. Decentralization, suburbanization, race, ethnicity, reform.
*prereq: ENGL 12000 or its equivalent*
*3 hrs 3 cr.*

**SOC 21100 - Urban Sociology**
GER 3/B
The relationships of space and society, with special attention to the nature and problems of urban life.

*prereq: SOC 10100
3 hrs 3 cr.

SOC 21700 - Race and Ethnicity

GER 3/B PD/B
Dominant-subordinate relations among selected groups: Asians, Blacks, Hispanics, Jews, Indians, White ethnics.

*prereq: SOC 10100
3 hrs 3 cr.

Additional Information

Component D can also be met by another 400-level URBS course contingent on the approval of the undergrad adviser.

Departmental Honors: Eligibility Criteria

Overall GPA: 3.2 and above
Major GPA: 3.5 and above

Graduate Courses

The following graduate courses are open to senior urban studies majors. Other graduate-level courses may be taken by seniors with permission of the instructor:

URBP 701 History of Planned Urban Development
URBP 702 The Structure of the Urban Region

In addition to these two courses, there are cross-listed classes, offered each semester, that are open to undergraduate students.

Women and Gender Studies

About the Program

The Hunter College Women and Gender Studies Program is an interdisciplinary academic program that seeks to preserve, expand and share knowledge about women and gender. The Program reexamines the historical record to make visible women’s contributions to the world’s knowledge and cultures. It aims, through a focus on women’s experiences, to open fresh perspectives throughout the curriculum. The Women and Gender Studies Program seeks to create an understanding of the ways in which gender intersects with race, religion, class, ethnicity, ability and sexual orientation to shape all human experience, including the pursuit of learning.

The Women and Gender Studies Program includes a broad community of faculty, affiliated faculty, students, and staff and is administered by a director and a policy committee of elected faculty and student representatives. Most courses in the program are cross-listed in an academic department; these have been developed through the initiative of Women and Gender Studies-affiliated faculty throughout the college.
The Women and Gender Studies Program draws on the commitment and expertise of feminist scholars in more than 15 academic departments for our wide range of course offerings. The Women and Gender Studies major is useful, directly and indirectly, in all fields involving an analysis of society and social interaction. Women and Gender Studies graduates may seek employment in any field, including such areas as health care, counseling, advertising, market research, publishing, teaching, public service, advocacy or administrative work. The major is an appropriate preparation for professional schools and for postgraduate work in Women and Gender Studies or in one of the many disciplines from which the major draws its curriculum.

Programs and Courses

Programs and Courses in Women and Gender Studies

Administration and Faculty

Program Office:

1717 West
(212) 772-5680
Web site: http://www.hunter.cuny.edu/wgsprogram

Director:

Rupal Oza
1715 West
(212)-650-3035

Associate Director:

Jennifer Gaboury
1716 West
212-772-5559
jgaboury@earthlink.net

Faculty

Women and Gender Studies Faculty

HEGIS Code: 4903

Women and Gender Studies - BA

Major

The Women and Gender Studies Program offers a 24-credit major. The 24 required credits are distributed as follows:

A. 3 Credits
WGS 10000 - Introduction to Women Studies

GER 2/B PD/C
Traditional definitions of women's nature in myth and symbol, media and popular culture, theories of gender in biology and psychology; women's role in family structures; women's relations to religion, education, health, work and politics. Examples are cross-cultural, contemporary and historical.

3 hrs 3 cr.

B. 3 Credits

WGS 20100 - Classics in Feminist Thought (W)

GER 3/A or B PD/C
Study of feminist thought across a variety of historical periods and cultural contexts.

prereq: WGS 10000, ENGL 12000 or equiv.

3 hrs 3 cr.

C. Senior Seminar 3 credits

WGS 31000 - Research Seminar: Feminist Theory and Methodology

Open to Jr/Sr only. Study of the theoretical models that feminist scholars create to guide their work and application of feminist methodology to a research project. To graduate with honors in Women's Studies, majors must enroll in this seminar.

Note: Students may take WGS 31000 or 32000 to satisfy the Senior Seminar requirement in the major; students may also opt to take both courses. Since both classes are not taught every semester, students are urged to consult the program director in advance to plan their senior seminar

prereq: WGS 10000, 20100, at least one other WGS course at 200-level or higher

3 hrs 3 cr.

spring semester

WGS 32000 - Internship Seminar: Feminist Activism and Advocacy

Open to Jr/Sr only. Practical experience in one of a variety of agencies and organizations related to the needs or concerns of women. Weekly seminar devoted to discussion of feminist activism and advocacy.

Note: Students may take WGS 31000 or 32000 to satisfy the Senior Seminar requirement in the major; students may also opt to take both courses. Since both classes are not taught every semester, students are urged to consult the program director in advance to plan their senior seminar.

prereq: WGS 10000 and 20100 and at least one other WGS course at the 200-level or higher.

7-10 hrs 3-4 cr.

spring semester

Students may opt to take both the research seminar and the internship seminar or a substitute approved by the program.
D. Electives 15 Credits

Fifteen credits are chosen from the courses listed below. Majors must take at least one course in each subfield of the discipline (feminism, gender and sexuality, and women in culture and society) and must complete at least one elective course at the 300 level or above.

Independent Study

may be applied only once toward the major

WGS 39300 - Independent Research

Independent research guided by a faculty member on a subject of student's choice in the field of Women and Gender Studies.

Note: Independent Study (WGS 29800 or 39300) may be applied only once toward the major.

prereq: perm. program director
3 hrs 3 cr.

WGS 29800 - Internship

Independent Study (WGS 29800 or 39300) may be applied only once toward the major.

prereq: perm. program director
hrs TBA 1-6 cr.

Minor in Women and Gender Studies - 12 credits

A minor in Women and Gender Studies consists of 12 credits. Students who elect to minor in Women and Gender Studies must take the WGS 10000 and WGS 20100 core courses plus 6 elective credits.

Internships

Majors may satisfy the Senior Seminar requirement by interning in organizations that relate to the needs or concerns of women, and by simultaneously enrolling in WGS 32000 Internship Seminar, where their internship experiences and assigned readings will be discussed. Majors may also take the research seminar at the same time. The internship option is available to minors as well as majors. Interested students should consult with the program director before registering for the internship seminar. Students who wish to undertake an independently arranged internship outside of the formal internship seminar may enroll in WGS 29800 with the permission of the program director.

Research Seminar

Majors may satisfy the Senior Seminar requirement of the major by enrolling in the Research Seminar (WGS 31000), a capstone course in which they will apply feminist theory and methodology to a significant research project resulting in a substantial paper. Students who wish to qualify for honors in Women and Gender Studies must enroll in the research seminar.

Honors
In order to graduate with honors in Women and Gender Studies, a student must have a 3.5 GPA in the Women and Gender Studies major and a college-wide cumulative index of at least 3.0. Students should submit a 18-20 page paper written for any Women and Gender Studies 300 level class including but not limited to the Research Seminar (WGS 31000). The student must submit the paper by March 15 (for June graduation) and October 15 (for December graduation) to be considered for program honors. The papers will be read by a faculty committee to judge whether it merits honors.

School of Education

About the School of Education

All students who take the education sequence at Hunter must major in a liberal arts or sciences subject. In other words, students who take any program in education do so in addition to fulfilling both the general education requirement and the requirements for a liberal arts or sciences major.

A student who completes an undergraduate childhood education program approved by the New York State Education Department fulfills the academic requirements for New York State Initial Certification. (See section below on New York State certification for more information.)

The Office of Educational Services

This office provides support services to students enrolled in classes offered by the three teacher education departments of the School of Education. The areas of services provided include: coordination of admissions, advisement and registration; teacher certification; and various other student services such as permits, course equivalencies and leaves of absence. The Office of Educational Services maintains regular office hours, staying open until 6 pm Monday through Thursday to provide advisement for working and evening session students. Hours may vary during registration periods, during the summer months and when classes are not in session. Office hours are posted outside Room 1000 Hunter West. Student teaching and field placement applications and information are also available in Room 1000 Hunter West and on the School of Education web site www.hunter.cuny.edu/education.

New York State Certification

The undergraduate sequences in education described below have been approved by the New York State Education Department to lead to initial certification for teaching in New York State. To earn this certificate the student must successfully complete the approved program of study, obtain the BA or BA/MA degree, submit fingerprints for clearance and pass the required New York State Teacher Certification Examinations (NYSTCE) including the LAST, ATS-W and CST. The Office of Educational Services recommends the certification applications of students who complete an approved program for certification. The initial certificate permits the holder to teach for five years. At the end of that time with three years of full-time teaching in the certificate title and a master's degree, the individual will be able to obtain professional certification. New York State certification is reciprocally accepted by many other states upon application. Students with questions about certification should contact the Office of Educational Services. For more information regarding New York State Certification go to http://highered.nysed.gov/tcert.

Admission to Teacher Education Programs
Students must apply for admission to the School of Education. Applicants for adolescent education programs must demonstrate satisfactory performance in courses in the major. Undergraduate teacher education programs require a minimum cumulative GPA of 2.8. Students are advised to submit their completed application for admission in April for the fall semester and November for the spring semester. Applicants must attach a student copy of transcripts of previous college study to their application. Applicants must demonstrate satisfactory performance in a group interview and an on-site writing sample. No courses with credit/noncredit grades are accepted.

**Nondegree and Second-Degree Students**

The School of Education does not accept nondegree or second-degree students.

**Honors in Education**

Students become eligible for honors in education at graduation by successfully completing EDUC 49000 for QUEST and Adolescent Education and DAN 49000 for dance education (Honors in Educational Research). Students must have a GPA of 3.5 in education courses and a cumulative GPA of 2.8. They must be taking a full education sequence including student teaching.

*Kappa Delta Pi* Students become eligible for membership in the Iota Alpha Chapter of Kappa Delta Pi, the national honor society for education, when they meet the following criteria: 3.2 GPA, with an education index of 3.5 after 12 credits, 3.7 after 11 credits, or 4.0 after 9 credits in education. Applications are available in Room 1000 Hunter West.

**Hunter College Campus Schools**

The Campus Schools are located at Park Avenue and 94th Street in Manhattan. They serve as a laboratory for observation, demonstration, research, curriculum design and other projects involving their students, all of whom score in the range of the gifted on intelligence and achievement tests. Students are admitted to the publicly supported schools on the basis of competitive testing. Efforts continue to identify gifted children from diverse backgrounds who meet the schools’ rigorous standards for admission to kindergarten and grade 7 (the two levels at which students are admitted).

**Hunter College Elementary School**

Children must be five years of age to attend the kindergarten. Only Manhattan residents are eligible to apply. The age of an applicant is calculated according to the academic year. While some students continue on to the high school from the elementary school, high-achieving students from the five boroughs are invited to take a competitive examination in order to enter Hunter High School at the 7th grade.

**Hunter College High School**

The Hunter College High School is a 6-year junior-senior high school. The academic program stresses both acceleration and enrichment and provides students with a rigorous education. Research focuses on the development of curriculum, teaching strategies and other educational practices that maintain and advance a “state of the art” approach to the education of intellectually gifted students.

**Manhattan/Hunter College Science High School**
The Manhattan/Hunter Science High School, located on Amsterdam Avenue at 66th Street, provides instruction for grades 9 through 12. This science high school is grounded in the belief that individuals are better prepared to face life’s challenges when given the proper tools. Science offers the lens through which we may see, explore and meet the future. The New York City Department of Education and Hunter College have joined to create a school that provides an enriched, comprehensive college preparatory curriculum with a focus on science and the integration of science and the scientific method into all subject areas.

Programs and Courses in Education

Administration and Faculty

Administration

Office:

1000 Hunter West
(212) 772-4624
Web site: http://www.hunter.cuny.edu/education

Acting Dean:

Sherryl Browne Graves
(212) 772-4622

Associate Dean:

Carla Asher
(212) 772-4622

Office of Educational Services:

1000 Hunter West
(212) 772-4624

Coordinator, Adolescent Education:

Jeanne Weiler
(212) 650-3459

Coordinator Childhood Education:

Jason Riffaterre
(212) 772-4638

Directors of Clinical Experiences:

Adolescent Education and TESOL:

Kenney Robinson
(212) 772-4038

Early Childhood and Childhood Education:
Ileana Infante  
(212) 772-4667

Faculty

Faculty of the School of Education

Departments

Curriculum and Teaching

Office:

1023 West  
(212) 772-4686

Chair:

Anne Ediger  
(212)-772-4665  
anne.ediger@hunter.cuny.edu

Educational Foundations and Counseling Programs

Office:

1016 West  
(212) 772-4710

Acting Chair:

Gess LeBlanc  
(212)-772-4712  
gleblanc@hunter.cuny.edu

Special Education

Office:

909 West  
(212) 772-4701

Acting Chair:

Timothy Lackaye  
(212)-772-4777  
tlackaye@hunter.cuny.edu

SEEK

Department of SEEK (Search for Education, Elevation and Knowledge)
Adolescent Education All BA (and BA/MA Mathematics) Students

Return to: Adolescent Education, Grades 7-12

Requirements

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

*3 hrs 3 cr.*

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

*2 hrs per week plus 36 hrs fieldwork 2 cr.*

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

*prereq: SEDF 20300, 20400*

*2 hrs per week plus 36 hrs fieldwork 2 cr.*

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

*prereq: SEDF 20500, SEDC 21000*

*2 per week plus lab 2 cr.*

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**
Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards. 
3 hrs 3 cr.

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

*prereq: SEDF 20300, 20400
1 hr 1 cr.*

**Note(s)**

*Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.*

**Adolescent Education, Grades 7-12 and Dance Education, Grades Pre K-12**

**Program Overview**

Students who major in an academic subject may also wish to complete a sequence of courses in education that will enable them to pursue a career teaching students in grades 7-12. The undergraduate programs in adolescent education are designed to prepare prospective teachers to serve as high-quality educators for students in urban secondary schools.

Programs in adolescent education at Hunter College prepare prospective teachers to serve as highly effective educators in urban middle and high schools. Through rigorous course work, fieldwork and student teaching experiences in New York City schools, students learn how to provide an academically rigorous education to students of diverse backgrounds, abilities and interests.

**Content Knowledge**

Courses in the academic discipline offered by the School of Arts & Sciences will deepen teacher candidates’ subject knowledge. They will learn how to use knowledge of their subject to design and implement classroom instruction that reflects State and professional standards.

**Professional Knowledge**

Teacher candidates will learn the theory and practice of effective pedagogy in their subject area. They will gain a grounding in the history, philosophy, psychology and sociology of education that will inform their teaching. They will study research-based theories and methods of teaching their subject to students with special needs, including special education students and English language learners.

**Skills**
Teacher candidates will learn to design lessons and units of work for students and to adapt their instruction to students’ prior knowledge and level of skill. They will gain expertise in analyzing and using assessments of student achievement to guide and inform their instruction. They will master the use of technology as a tool for teaching their subject. They will learn to manage their classrooms to provide effective instruction for all students. They will practice ways to assess and reflect on their teaching practice in order to strengthen their work with students and grow as professionals.

Creating Community

Teacher candidates will learn to create humane and ethical learning communities in their classrooms and schools in which all students receive the support they need to achieve academically. They will learn to communicate effectively with parents, families, community members and other members of the school faculty and staff in order to provide this support.

Programs

The Hunter College School of Education offers the following undergraduate programs leading to initial certification in adolescent education (grades 7-12): biology, chemistry, Chinese, English, French, German, Hebrew, Italian, mathematics, physics, Russian, social studies and Spanish. Hunter also offers an undergraduate program leading to initial certification in dance (pre-K-12). In addition, BA/MA programs in biology, chemistry, earth science, mathematics, music and physics are offered. These programs lead to initial and professional certification.

The program of study for the baccalaureate degree at Hunter College requires a minimum of 120 credits. This is a daytime program that includes fieldwork in New York City public schools designated by the Hunter College School of Education. Students who wish to pursue initial certification in one of the above areas must take a specified sequence of education courses, in addition to fulfilling the college’s General Education Requirement (GER) and the requirements of their liberal arts or sciences major. All relevant departments accept the adolescent education sequence as a minor.

Required Coursework in Liberal Arts and Sciences

In addition to completing a major of at least 30 credits in the area of the teaching certificate to be pursued, applicants must complete a general education core that includes the specific course requirements listed below, which can be fulfilled as part of the college’s core requirement, graduation requirements, and the major:

1. English Composition

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
*prereq: successful completion of developmental courses, if required*
3 hrs + conf 3 cr.

2. Literature

**ENGL 22000 - Introduction to Literature**
3. Two courses selected from:

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.
*Courses at the 300-level and above not offered to freshmen.*
*prereq or coreq: ENGL 12000*
*3 hrs3 cr.*

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.
*Courses at the 300-level and above not offered to freshmen.*
*prereq or coreq: ENGL 12000*
*3 hrs3 cr.*

**GEOG 10100 - People and Their Environment**

GER 2/B
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life.
*3 hrs3 cr.*
*offered fall and spring.*

4. 12 credits in math, science or technology
   
   • one laboratory science course

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
3 hrs3 cr.

5. 12 credits of study in a language other than English (or exemption by the college on the basis of equivalency);

6. 6 credits in the arts (does not include courses in FILMP, MEDP and MEDIA);

7. A course that includes a focus on communication, which may be met through a variety of disciplines.

Generally met with courses in THEA, MEDIA and the linguistics area of anthropology, including but not limited to

AFPRL 18100 - Language and Ethnic Identity

ANTHC 15100 - Introduction to Linguistics

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.
3 hrs3 cr.

ANTHC 26000 - North American Indian Languages and Cultures

GER 3/B
Linguistic analysis and sociocultural background of North American Indian languages.
3 hrs3 cr.

ANTHC 26300 - Afro-New World Languages and Cultures

GER 3/B
Linguistic analysis, history, sociocultural background of Caribbean creole languages, other Afro-American speech forms.
3 hrs3 cr.
ANTHC 35100 - Language in Culture and Society

GER 3/B
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social and political life; language, ideology and identity.

3 hrs 3 cr.

ANTHC 35400 - Grammatical Analysis and Theory

GER 3/B
Methods of syntax and morphology in work with diverse languages; syntactic theories and their development relative to universals, semantics, pragmatics, discourse.

prereq: ANTHC 15100 or equiv.

3 hrs 3 cr.

MEDP 23900 - Entertainment Journalism (W)

Development of practical, theoretical, and rhetorical skills for writing reviews and feature stories about entertainment and the arts.

prereq: MEDP 29200

3 hrs 3 cr.

MEDP 24000 - Effective Speechmaking

Development of skills in speechmaking and media presentation.

prereq: MEDIA 18000

3 hrs 3 cr.

MEDP 29200 - Basic Reporting (W)

Workshop and discussion to provide basic skills of newspaper writing.

prereq: MEDIA 18000

3 hrs 3 cr.

MEDP 29300 - Advanced Reporting (W)

Intermediate course to advance skills in writing and reporting.

prereq: MEDP 29200

3 hrs 3 cr.

MEDP 29400 - Magazine Writing (W)

This course prepares students for publishing articles in magazines, feature sections of newspapers and online Internet publications by developing writing portfolios and studying the workings of the publishing industry.

prereq: MEDP 29200

3 hrs 3 cr.
MEDP 29500 - Online Journalism (W)

Evaluating and employing the Internet as a source of information for journalists, as a subject of journalistic coverage and as a new form of newspaper publication.

prereq: MEDP 29200
3 hrs3 cr.

Admission Requirements

Students who wish to enter the adolescent education sequence must meet all the criteria given below.

1. Minimum of 65 credits but no more than 90 credits;

2. GPA of at least 2.8. If a student has more than 6 credits of CR/NR grades, the excess of these grades will be calculated as C or F in determining whether the student meets the minimum GPA;

3. A grade of at least B in ENGL 12000 (or a 200- or 300-level writing course such as ENGL 201);

4. Formal declaration of a major in a subject area appropriate for certification: English, Languages Other than English (Chinese, French, German, Hebrew, Italian, Russian, Spanish), Mathematics, Biology, Chemistry, Physics, Social Studies (Geography Option 2), Dance; and

5. Submission of an application for admission to the sequence (the application is available in the Office of Educational Services, Room 1000 Hunter West).

Course of Study

- Adolescent Education All BA (and BA/MA Mathematics) Students
- Mathematics (BA): Additional Required Coursework and Student Teaching
- Biology, Chemistry, and Physics (BA): Additional Required Coursework and Student Teaching
- Languages Other than English: Chinese, French, German, Hebrew, Italian, Russian, Spanish (BA) Additional Coursework and Student Teaching
- English (BA): Additional Required Courses and Student Teaching
- Social Studies (BA): Additional Required Coursework and Student Teaching
- Dance Pre-K - 12
- Mathematics (BA/MA): Additional Required Coursework and Student Teaching
- Chemistry (BA/MA): Additional Required Courses and Student Teaching
- Music (BA/MA): Additional Required Coursework and Student Teaching

Transfer Students

The program will conditionally admit transfer students with 60 or more credits who have a GPA of at least 3.3 without requiring that they complete 12 credits at Hunter College. However, they must establish a minimum GPA of 2.8 at Hunter College to continue in the program after the first semester. Any transfer student who has a GPA of 2.8-3.29 must complete 12 credits at Hunter College with a cumulative GPA of at least 2.8 before being admitted to the program in adolescent education.
Admission Process

1. Students interested in applying to the Adolescent Education program should apply at the beginning of the semester prior to the semester in which they plan to enroll.

2. Students must participate in a group interview with several other students and School of Education faculty members.

3. Students must complete an on-site writing sample that the School of Education faculty will use to assess written English skills.

Progress Standards

1. Students must maintain a minimum overall GPA of 2.8 and an education sequence index of 2.8.

2. Any student who receives a grade of B-, C+, C or D in student teaching must apply to the department chairperson for permission to reregister for that course, which may be repeated only once.

3. Any student who receives a grade of D+ or D in a course in the education sequence will be required to repeat that course. Students are permitted to repeat a course only once.

4. Any student who receives a grade of F in any course in the pedagogical sequence (including student teaching) will not be permitted to continue in the program.

5. Any student who has more than two grades of IN will be permitted to register for only one course the following semester.

Students will be permitted to register for the second methods course in their subject area only after having met the following requirements:

1. Completion of 18 credits of study in the major subject area;

2. Approval of the major department adviser; and

3. Maintenance of an overall GPA of 2.8 and an education sequence index of 2.8.

Students should register to take the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examinations during their junior year. Students will not be allowed to enroll in student teaching until their scores on the LAST have been received by the School of Education. Students who do not pass the LAST at least partly because of low scores on subtest 4 and/or 5 must enroll in a college writing course before being allowed to register for any additional courses.

Liberal Arts and Sciences Major Requirements for Adolescent Education (BA and BA/MA) and Dance Education (BA)

Note: See the major department sections of the catalog for specific course requirements in these areas.

English (7-12) 30-credit major in English for adolescent education.

Languages Other than English 7-12 33-credit major in one of the following languages: Chinese, French, German, Hebrew, Italian, Russian, Spanish.

Mathematics 7-12 30-credit major in mathematics + one year of calculus (MATH 15000 and 15500, or the equivalent).
Biology 7-12 37-credit major in biology + 33.5 - 36.5 credits in additional science and math courses.

Chemistry 7-12 33- or 35-credit major in chemistry.

Physics 7-12 30-credit major in physics.

Social Studies 7-12 33-credit major in geography plus 9 credits of specified course work in history and geography as prerequisites; or a 33-credit major in history, including a course in geography, plus a course with a focus on political science and a course with a focus on economics.

Dance Pre-K 12 34-credit major in dance.

BA/MA Chemistry 7-12 minimum of 134 credits to include chemistry major (minimum of 24 credits) and associated auxiliary courses (30.5 credits) at the undergraduate level; 14 graduate credits in chemistry.

BA/MA Mathematics 7-12 minimum of 141 credits to include 46 credits in mathematics including a year of calculus (MATH MATH 15000 and MATH 15500 or equivalent), MATH 25000, MATH 26000, MATH 31100 (or the equivalent), 620, 623 or 634, 630, 661, STAT 21300 and STAT 614 (or the equivalent), plus 9 additional credits, at the 25000 level, selected with the approval of the departmental mathematics education adviser.

BA/MA Music Pre-K 12 minimum of 140 credits to include 42-credit music major equivalent to the undergraduate music major plus 22 graduate credits for a total of 64 credits in music.

Fieldwork and Student Teaching

Field experiences and student teaching will take place in sites approved by the Hunter College School of Education.

1. Any student who receives a grade of B-, C+, C or D in student teaching must officially register for and repeat that experience. Students will be permitted to repeat student teaching only once.

2. Any student who receives a grade of F in student teaching will not be permitted to continue in the program.

3. Students must submit an application during the semester before they plan to student teach.

Biology, Chemistry, and Physics (BA): Additional Required Coursework and Student Teaching

Return to: Adolescent Education, Grades 7-12

Return to: Biology, Major I or Chemistry - BA or Physics Option 1

Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool- community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn
to analyze these concepts and theories and apply them to current classroom practices.
3 hrs 3 cr.

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.
2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.
prereq: SEDF 20300, 20400
2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.
prereq: SEDF 20500, SEDC 21000
2 per week plus lab 2 cr.

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.
3 hrs 3 cr.

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.
prereq: SEDF 20300, 20400
1 hr 1 cr.

**Note**

*Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.*

**Additional Required Coursework and Student Teaching**

**SEDC 21300 - Methods I: Classroom Organization, Management and Instruction in Mathematics and Science, Grades 7-12**
Candidates will identify the impact of various classroom organization patterns, rules and routines. Candidates will be able to design, implement and evaluate lessons in the context of state and city standards for learning in grades 7-12.

prereq or coreq: SEDF 20300, 20400
3 hrs 3 cr.

SEDC 32400 - Methods II: Teaching Diverse Learners Science, Grades 7-12

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in science. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

prereq: SEDC 21300
prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork 2 cr.

And one of the following:

SEDC 45410 - Student Teaching in Biology, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified biology teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32400
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45420 - Student Teaching in Chemistry, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified chemistry teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32400
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45430 - Student Teaching in Physics, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified physics teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32400
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.
Chemistry (BA/MA): Additional Required Courses and Student Teaching

Return to: Adolescent Education, Grades 7-12

Additional Required Coursework and Student Teaching**

- SEDF 703 - Social Foundations of Adolescent Education 3 cr
- SEDF 704 - Adolescent Development, Grades 7-12 2 cr
- SEDF 705 - Educational Psychology: Applications to Adolescent Education 2 cr
- SEDF 706 - Assessment of Teaching and Learning in Adolescent Education 2 cr
- SEDC 710 - Building the Foundations of Literacy in Adolescent Education 3 cr
- SEDC 713 - Methods I: Advanced Study of Secondary Learning Environments for Teaching Mathematics and Science 3 cr
- SEDC 720 - Adolescent Health and Safety 1 cr
- SEDC 724 - Methods II: Intensive Study of Teaching Diverse Learners in Science, Grades 7-12 2 cr
- SEDC 754.02 - Student Teaching in Chemistry, Grades 7-12 5 cr

Note(s)

** See the Graduate Catalog for these graduate course descriptions

Childhood Education (QUEST) Grades 1-6 - BA

1000 Hunter West; (212) 772-4624

- QUEST Six-Semester Sequence for Students Who Enter Hunter College as First-Year Students
- QUEST Four-Semester Sequence for Transfer Students

QUEST Program Overview

The Quality Urban Elementary School Teacher (QUEST) program is an undergraduate childhood teacher education program that prepares students to become New York State certified teachers of childhood education grades 1-6. QUEST is a 30-credit program completed over either four or six semesters that includes extensive field experiences attached to courses. The six-semester sequence is designed for students who enter Hunter College as freshmen. The four-semester sequence is designed for transfer students and other students who do not apply to QUEST until they have completed 40 or more credits.

QUEST is committed to the preparation of urban elementary school teachers who can deal effectively with the wide range of diverse learning needs found among the City’s students. QUEST collaborates closely with New York City public schools to provide outstanding field experiences for students.

The program of study for the BA degree at Hunter College consists of a minimum of 120 credits. All students must major in one of the following liberal arts or sciences subjects: English language arts, English, history, geography, social studies (available as a major in the geography department), mathematics, biology or chemistry. QUEST serves as a collateral major in addition to a student's major in Hunter's School of Arts and Sciences. Students must also complete the college General Education Requirement (GER), which consists of a core and graduation requirements in writing,
pluralism and diversity and in a foreign language. Because the QUEST program requires MATH 10400, students are exempt from GER/Stage 3, Group B.

### Required Coursework in Liberal Arts and Sciences

#### Teachers in elementary schools

Teachers in elementary schools are required to teach all subject areas in the curriculum and thus need a broad liberal arts background in addition to specialized knowledge of teaching. Therefore, students will be required to complete the following liberal arts and sciences courses, or their equivalent (most of these courses can be taken within the college’s General Education Requirement):

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
*prereq: successful completion of developmental courses, if required*
3 hrs + conf 3 cr.

**ENGL 22000 - Introduction to Literature**

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students’ understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.
*prereq: ENGL 12000*
3 hrs + conf 3 cr.

**GEOG 10100 - People and Their Environment**

GER 2/B
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. Contemporary economic, political and social patterns and problems are discussed.

3 hrs 3 cr.
*offered fall and spring.*

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.
*Courses at the 300-level and above not offered to freshmen.*
*prereq or coreq: ENGL 12000*
3 hrs 3 cr.
HIST 15200 - The United States from the Civil War Era to the Present (W)

GER 1/C or 2/B  
American political, social and cultural history from the Civil War to the present.  
Courses at the 300-level and above not offered to freshmen.  
prereq or coreq: ENGL 12000  
3 hrs 3 cr.

MATH 10400 - Mathematics for Elementary Education I

GER 1/B  
Fundamental and relevant mathematics as recommended by the NCTM for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers and number theory. Required of students planning to teach in elementary schools. Not open to other students.  
prereq: grade of C or better in MATH 10100 or appropriate score on the placement exam  
3 hrs 3 cr.

MATH 10500 - Mathematics for Elementary Education II

GER 1/B  
Continuation of MATH 10400. Continuation of the content of the mathematics recommended by the NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence and similarity.  
prereq: grade of C or better in MATH 10400  
3 hrs 3 cr.

- Two semesters of science, at least one of which is a laboratory science,*  
- 6 credits in the arts (courses in ARTCR, ARTH, FILM, MUSHL, THEA),**  
- At least 6 credits in the study of a language other than English (The Hunter College GER/foreign language requirement is 12 credits or the equivalent.)

Students in the childhood education

Two additional courses that are required for students in the childhood education program are

CSCI 11500 - Computer Technology in Childhood Education

Open only to students in QUEST program. Students learn to use a number of software tools and applications that can be infused into the curriculum of the elementary school. Includes a focus on information retrieval using Internet resources and use of such application packages as Miosoft Excel, Miosoft Power Point, Inspiration and Timeliner.  
prereq or coreq: QSTA 40000  
3 hrs (1 lec, 2 lab) 2 cr.

HED 31400 - Health Education for the Classroom Teacher

The preparation of the elementary educator to assist children in grades 1-6 in making decisions for optimum health and wellness, including nutrition education and fitness; mental/emotional health and conflict resolution; drug education; stress management; safety education including fire safety; family living/sex education including HIV/AIDS education and orientation issues; personal safety and the role of the classroom teacher as a mandated reporter of child abuse and neglect; environmental health; and violence prevention.
prereq: QSTB 20200, QSTF 30100

prereq or coreq: QSTF 30200

3 hrs

3 cr.

Note(s)

* Computer Science does not count as a science course in meeting this requirement.

** Courses in FLMP, MED, MEDP do not meet the arts requirements.

Admissions Requirements

Six-semester sequence for students entering Hunter College as freshmen

1. 30 credits in liberal arts and sciences***

2. Minimum GPA of 2.8

3. Prerequisite for MATH 10400: either a score high enough on the CUNY COMPASS to be placed in MATH 104 or completion of MATH 10100

4. ENGL 12000 (or a 200- or 300-level writing course), with a grade of B or better

5. Declaration of an appropriate liberal arts and sciences major: biology, chemistry, English, English language arts, geography, history, social studies (an option within the geography major), or mathematics

Four-semester sequence for transfer students and other Hunter College students who apply after completing 40 credits

1. Transfer students may enter the program with 40 to 72 credits. (Students with more than 72 credits should complete their liberal arts and sciences major and apply to the master’s degree program in childhood education.)

2. Transfer students with 60 or more credits, a GPA of 3.3 or better and a grade of B or better in ENGL 12000 do not have to present Hunter College grades. Transfer students with GPAs between 2.75 and 3.29 will have to complete 12 credits of coursework at Hunter College with a GPA of at least 2.8 before a final decision will be made on their application to QUEST.

3. Transfer students must meet all other requirements listed above for admission as well as the progress standards that follow.

Note(s)

*** Students may apply to QUEST if the total of their completed credits plus credits in which they are currently enrolled is at least 30 credits.

Progress Standards

Students must receive grades of C or better in required coursework in liberal arts and sciences and in QUEST courses that do not include fieldwork. QUEST fieldwork courses require a grade of B or better. All QUEST courses are repeatable once by students who have received a grade of C-, D+ or D in a non-fieldwork course or a grade below B in
A fieldwork course. Students must officially reregister for these courses. Students who receive an F in any course or a D+ or D in fieldwork may not continue in the program. Students must also maintain a GPA of at least 2.8 throughout the QUEST program.

In order to register for QSTA 40600 Teaching and Learning Mathematics in the Elementary School, students must have completed MATH 10400 and MATH 10500. Transfer students may be allowed to enroll in QSTA 40600 after completing MATH 10400 and registering for MATH 10500 if their progress through the QUEST program would be delayed by the requirement for MATH 105 as a prerequisite with the approval of the program coordinator.

In order to register for QSTA 41400 Teaching Science in Elementary Schools, students must have completed two courses in science, at least one of which must be a laboratory science.

In order to register for QSTA 41200 Teaching Social Studies through Literature, the Arts and Technology in Elementary Schools, students must have completed HIST 15100 and HIST 15200, or one of these courses plus GEOG 10100.

Students should register to take the Liberal Arts and Sciences Test (LAST) and the Assessment of Teaching Skills–Written (ATS–W) of the New York State Teacher Certification Examinations during their junior year. Students will not be allowed to enroll in Student Teaching (QSTA 41500) until their scores on the LAST and ATS–W have been received by the QUEST field placement coordinator. Students who do not pass the LAST must enroll in the School’s Reading and Writing Workshop for Teachers before being allowed to register for any additional courses.

**Dance Pre-K - 12**

**Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students**

The following courses are required as part of the 23 credit Adolescent Education sequence:

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

*3 hrs 3 cr.*

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

*2 hrs per week plus 36 hrs fieldwork 2 cr.*

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

*prereq: SEDF 20300, 20400

*2 hrs per week plus 36 hrs fieldwork 2 cr.*
SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

prereq: SEDF 20500, SEDC 21000
2 per week plus lab2 cr.

SEDC 21000 - Building the Foundations of Literacy in Grades 7-12

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

3 hrs3 cr.

SEDC 22000 - Adolescent Health and Safety

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

prereq: SEDF 20300, 20400
1 hr1 cr.

Note

Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.

Certification for teaching Dance

New York State certification for teaching dance requires the 34-credit dance major plus the 22 credit education sequence, which is considered a collateral major and includes

DANED 30200 - Theory and Practice of Teaching Dance (pre-K-12)

Methods of teaching dance in grades pre-K-12 to students with diverse backgrounds and abilities in diverse learning environments; the organization of instruction and classroom management strategies; technological resources; community and family resources.

Field work required.
prereq: completed 12 cr in dance or perm dance adviser
prereq or coreq: SEDF 20400
3 hrs plus 36 hours fieldwork4 cr.

SEDC 45600 - Student Teaching in Dance, Grades Pre-K-12

Two 30-day supervised placements (one in grades pre-K-6 and one in grades 7-12) in New York City public schools selected by Hunter College. Special Conditions: Students must apply for student teaching the fall semester before enrolling in this course. Scores on the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examination must have been received by the coordinator of adolescent education prior to enrollment in student teaching.
prereq or coreq: SEDF 20600, SEDC 22000
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

Additional Information

See the School of Education for more information. Note: students must be accepted by the School of Education before they may register for education courses.

Earth Sciences (BA/MA): Additional Required Coursework and Student Teaching

Earth Sciences (BA/MA): Additional Required Coursework and Student Teaching**

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<tr>
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<th>Title</th>
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<td>Student Teaching in Earth Sciences, Grades 7-12</td>
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**See the Graduate Catalog for these graduate course descriptions

English (BA): Additional Required Courses and Student Teaching

English Department Requirements for Teaching English in Grades 7–12

Concentration in English: Preparation for Secondary School Teaching (30 cr)
Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

*3 hrs*  
*3 cr.*

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

*2 hrs per week plus 36 hrs fieldwork*  
*2 cr.*

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

*prereq: SEDF 20300, 20400*  
*2 hrs per week plus 36 hrs fieldwork*  
*2 cr.*

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

*prereq: SEDF 20500, SEDC 21000*  
*2 per week plus lab*  
*2 cr.*

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

*3 hrs*  
*3 cr.*

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

*prereq: SEDF 20300, 20400*  
*1 hr*  
*1 cr.*

Note
Additional Required Coursework and Student Teaching

**SEDC 21100 - Young Adult Literature in Our Diverse Society**

Familiarizes prospective teachers with a wide variety of literature for or about young adults. Books discussed and dramatized during each session reflect diverse cultures, varying learning styles, and special needs of young adults. The English language arts standards are addressed as delineated in city and state regulations. Literacy and comprehension skills are explored as well.

*prereq or coreq: SEDF 20300, 20400*

3 hrs 3 cr.

**SEDC 32100 - Teaching English Methods to a Diverse Population in Grades 7-12**

Methodology that facilitates the learning of English language arts for a diverse population in secondary schools. Teacher candidates will engage in ways of teaching adolescents the skills of reading, responding to literature, writing (creative and expository), listening, speaking, and applying grammar conventions. They will write lesson and unit plans and experiment with classroom management and assessment techniques as they present lessons to the class for peer and instructor criticisms. State and city teaching standards will be applied throughout the course.

*prereq: SEDC 21100*

*prereq or coreq: SEDF 20500, SEDC 21000*

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDC 45100 - Student Teaching in English, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified English teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

*prereq: SEDC 32100*

*prereq or coreq: SEDF 20600*

2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

**Languages Other than English: Chinese, French, German, Hebrew, Italian, Russian, Spanish (BA) Additional Coursework and Student Teaching**

Return to: Adolescent Education, Grades 7-12

**Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students**

The following courses are required as part of the 23 credit Adolescent Education sequence:
**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

3 hrs 3 cr.

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

prereq: SEDF 20300, 20400

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

prereq: SEDF 20500, SEDC 21000

2 per week plus lab 2 cr.

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

3 hrs 3 cr.

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

prereq: SEDF 20300, 20400

1 hr 1 cr.

**Note**

*Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.*

**Additional Required Coursework and Student Teaching**
SEDC 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

The nature of language, and language acquisition/learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.

*prereq or coreq: SEDF 20300, 20400
3 hrs 3 cr.*

SEDC 32200 - Methods II: Instructional Planning for Literacy, Language, and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

Standards that impact on the teaching of foreign/heritage languages at the secondary level. Emphasis is placed on the strategies, methods and materials used in planning instruction around the standards. Classroom observations will serve as a catalyst for discussion.

*prereq: SEDC 21200
prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork 2 cr.*

And one of the following:

SEDC 45210 - Student Teaching in Chinese, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Chinese teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

*prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.*

SEDC 45220 - Student Teaching in French, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified French teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

*prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.*

SEDC 45230 - Student Teaching in German, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified German teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.
prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.

SEDC 45250 - Student Teaching in Hebrew, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Hebrew teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.

SEDC 45260 - Student Teaching in Italian, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Italian teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.

SEDC 45270 - Student Teaching in Russian, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Russian teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.

SEDC 45280 - Student Teaching in Spanish, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Spanish teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32200
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.

Note
For the departmental requirements for teaching foreign languages consult: Classical and Oriental Studies (Chinese, Hebrew, Russian), German, and Romance Languages (French, Italian, Spanish).

**Mathematics (BA): Additional Required Coursework and Student Teaching**

Return to: Adolescent Education, Grades 7-12

Return to: Mathematics for Adolescent Education

**Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students**

The following courses are required as part of the 23 credit Adolescent Education sequence:

- **SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**
  Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool- community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.
  
  3 hrs 3 cr.

- **SEDF 20400 - Adolescent Development**
  The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.
  
  2 hrs per week plus 36 hrs fieldwork 2 cr.

- **SEDF 20500 - Educational Psychology: Applications in Grades 7-12**
  Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.
  
  *prereq: SEDF 20300, 20400*
  
  2 hrs per week plus 36 hrs fieldwork 2 cr.

- **SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**
  The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.
  
  *prereq: SEDF 20500, SEDC 21000*
  
  2 per week plus lab 2 cr.

- **SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**
Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards. 3 hrs 3 cr.

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

*prereq: SEDF 20300, 20400*

1 hr 1 cr.

**Note**

*Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.*

**Additional Required Coursework and Student Teaching**

**Parallel graduate courses in the BA/MA Mathematics program**

**SEDC 21300 - Methods I: Classroom Organization, Management and Instruction in Mathematics and Science, Grades 7-12**

Candidates will identify the impact of various classroom organization patterns, rules and routines. Candidates will be able to design, implement and evaluate lessons in the context of state and city standards for learning in grades 7-12.

*prereq or coreq: SEDF 20300, 20400*

3 hrs 3 cr.

**SEDC 32300 - Methods II: Teaching Diverse Learners in Mathematics, Grades 7-12**

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in mathematics. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

*prereq: SEDC 21300*  
*prereq or coreq: SEDF 20500, SEDC 21000*

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDC 45300 - Student Teaching in Mathematics, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified math teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

*prereq: SEDC 32300*
Mathematics (BA/MA): Additional Required Coursework and Student Teaching

Return to: Adolescent Education, Grades 7-12

Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool- community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

3 hrs 3 cr.

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

prereq: SEDF 20300, 20400

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

prereq: SEDF 20500, SEDC 21000

2 per week plus lab 2 cr.

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

3 hrs 3 cr.
SEDC 22000 - Adolescent Health and Safety

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

prereq: SEDF 20300, 20400
1 hr 1 cr.

Note

Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.

Additional Required Coursework and Student Teaching**

- SEDC 713 - Methods I: Advanced Study of Secondary Learning Environments for Teaching Mathematics and Science 3 cr
- SEDC 723 - Methods II: Intensive Study of Teaching Diverse Learners in Mathematics, Grades 7-12 2 cr
- SEDC 753 - Student Teaching in Mathematics, Grades 7-12 (60 days, 30 hrs seminar, plus workshops and conferences) 5 cr

Note(s)

** See the Graduate Catalog for these graduate course descriptions

Music (BA/MA): Additional Required Coursework and Student Teaching

Return to: Adolescent Education, Grades 7-12

Additional Required Coursework and Student Teaching**

- SEDF 703 - Social Foundations of Adolescent Education 3 cr
- SEDF 704 - Adolescent Development, Grades 7-12 2 cr
- SEDF 705 - Educational Psychology: Applications to Adolescent Education 2 cr
- SEDF 706 - Assessment of Teaching and Learning in Adolescent Education 2 cr
- SEDC 710 - Building the Foundations of Literacy in Adolescent Education 3 cr
- SEDC 720 - Adolescent Health and Safety 1 cr
- MUSED 677 - Methods of Teaching Instrumental Music in Grades Pre-K-12 2 cr
- MUSED 678 - Methods of Teaching Vocal and General Music in Grades Pre-K-12 2 cr
- SEDC 756 - Student Teaching in Music, Pre-K-12 5 cr

Note(s)

** See the Graduate Catalog for these graduate course descriptions
Physics (BA/MA): Additional Required Coursework and Student Teaching**

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***See the Graduate Catalog for these graduate course descriptions

QUEST Four-Semester Sequence for Transfer Students

Semester I

QSTA 40000 - The Art of Effective Teaching

This course is designed to orient elementary school teacher candidates to the world of urban education and their roles as quality educators. An introduction to the basic pedagogical practices of teaching, the connection between theory and practice as it relates to the role of teachers, instructional methods for teaching diverse student populations, effective classroom management practices, organizational strategies, motivation techniques and methods of assessment.

3 hrs\(3\) cr.

QSTB 20200 - Child Growth and Development

The biological, cognitive, emotional, linguistic, moral, physical and social aspects of development will be addressed with respect to their role in children's experiences in school. The critical application of developmental theories and research to diverse populations will be emphasized. Contextual influences on children's development, including family,
peers and the media will be included.

coreq: QSTA 40100, QSTAB 30000
prereq or coreq: CSCI 11500, QSTA 40000
2 hrs2 cr.

**QSTA 40100 - Developmental Reading**

Theoretical and practical aspects of literacy with particular emphasis on teaching literacy to diverse populations. In addition, the role of family and community involvement and the use of technology for literacy development will be stressed.

coreq: QSTB 20200, QSTAB 30000
prereq or coreq: QSTA 40000, CSCI 11500
2 hrs2 cr.

**QSTAB 30000 - Fieldwork I: Fieldwork for Child Development and Developmental Reading**

Supervised experiences in classroom applications of QSTA 40100: Developmental Reading and QSTB 20200: Child Growth and Development. Students will complete 6 per week of fieldwork for a minimum of 75 contact per semester. Students will develop guided observation skills, acquire practical knowledge of the design and management of instruction and the classroom environment, and work effectively with individual students and small work groups. Students receiving a grade of C in fieldwork must apply to the chairperson for permission to re-register for the course. Fieldwork may be repeated only once. Students who receive a grade lower than C may not repeat the course and may not continue in the program.

coreq: QSTA 40100, QSTB 20200
prereq or coreq: QSTA 40000, CSCI 11500
75 hrs1 cr.

**CSCI 11500 - Computer Technology in Childhood Education**

Open only to students in QUEST program. Students learn to use a number of software tools and applications that can be infused into the curriculum of the elementary school. Includes a focus on information retrieval using Internet resources and use of such application packages as Miosoft Excel, Miosoft Power Point, Inspiration and Timeliner.

prereq or coreq: QSTA 40000
3 hrs (1 lec, 2 lab)2 cr.

Total ED Credits 8

Fieldwork 75 hours

Semester II

**QSTA 41000 - Literacy Across the Content Areas**

Theoretical, methodological, practical, and technological aspects of teaching literacy to elementary school students with an emphasis on meeting the literacy needs of diverse student populations.
QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools

Teaching social studies through literature, the arts, and technology in grades 1-6. Literature selections will include original documents, essays, historical fiction, novels, diaries, journals, poetry, drama and folktales. Instructional strategies will include interdisciplinary curriculum and differentiated learning, teaching, and assessment strategies for English language learners and students with disabilities. Diverse activities will include utilizing the community, particularly museums, as a laboratory for student learning.

QSTAB 30100 - Fieldwork II: Fieldwork for Literacy Across the Content Areas and Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools

Supervised experiences in classroom applications of QSTA 41000 - Literacy Across the Content Areas and QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools. Students will complete 6 of fieldwork per week for a minimum of 75 contact per semester. Students will develop the ability to apply theoretical concepts and deliver instruction to individuals and small groups of children. Students will design or adapt curriculum that meet the needs of diverse learners, including children with special needs and English language learners.

QSTB 40300 - Social Foundations of Urban Education

Contemporary issues and themes in the social foundations of childhood education viewed from an interdisciplinary perspective. Special emphasis on the role of family and community in the educational process.

Total ED Credits 8

Fieldwork 75 hours

Semester III

QSTB 41300 - Psychology of Teaching and Learning

The critical application of psychological theories and principles to classroom instruction, including: learning styles; instructional models; effective teaching; motivation; student diversity; students with special needs; classroom management; and formal and informal assessment.
QSTA 40600 - Mathematics Teaching and Learning in Elementary School

Modern methods for teaching mathematics through understanding in the elementary grades.

Transfer students may be allowed to enroll in QSTA 40600 after completing MATH 10400 and registering for MATH 10500 if their progress through the QUEST program would be delayed by the MATH 10500 prerequisite requirement.

prereq: MATH 10400, 10500, QSTA 41000, 41200, QSTAB 30000
coreq: QSTB 41300, QSTAB 30200
2 hrs2 cr.

QSTAB 30200 - Fieldwork III: Fieldwork for Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning

Supervised experiences in classroom applications of QSTA 40600: Mathematics Teaching and Learning in Elementary School and QSTB 41300: Psychology of Teaching and Learning. Students will complete 60 of fieldwork per week for a semester minimum of 75 contact to demonstrate the ability to apply knowledge acquired in the Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning courses to effectively deliver instruction in the content areas to individual children, small work groups, and large groups of children.

prereq: QSTA 41000, 41200, QSTAB 30100
coreq: QSTA 40600, QSTB 41300
75 hrs1 cr.

QSTA 40700 - The Arts: An Interdisciplinary Learning Experience

Offered in collaboration with Lincoln Center Institute, this course is designed to introduce teacher candidates to the role of arts in learning across the curriculum. Teacher candidates will experience the creative process through hands-on study of works of art (visual arts, music, theatre, and dance) to enhance the aesthetic sensibilities of students in grades 1-6.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000
3 hrs3 cr.

HED 31400 - Health Education for the Classroom Teacher

The preparation of the elementary educator to assist children in grades 1-6 in making decisions for optimum health and wellness, including nutrition education and fitness; mental/emotional health and conflict resolution; drug education; stress management; safety education including fire safety; family living/sex education including HIV/AIDS education and orientation issues; personal safety and the role of the classroom teacher as a mandated reporter of child abuse and neglect; environmental health; and violence prevention.

prereq: QSTB 20200, QSTF 30100
prereq or coreq: QSTF 30200
3 hrs3 cr.

Total ED Credits 8

Fieldwork 75 hours
Semester IV

**QSTA 41400 - Teaching Science in Elementary Schools**

This course is inquiry-based or process-oriented. Focuses on the doing part of science more than the facts part of science. Includes analysis of local, state and national science standards, working with students from culturally diverse backgrounds, using multimedia technology effectively, and working with parents and the community. Students will be observed in science teaching activities during their corequisite student teaching in science.

*prereq: QSTA 40600, 41000, 41200, QSTAB 30100*  
*coreq: QSTA 41500*

2 hrs 2 cr.

**QSTA 41500 - Student Teaching**

Supervised student teaching experience in an elementary school setting at one grade level from grades 1-6. Requirements include four full days per week of student teaching for a minimum of 50 days, 30 hours of seminars + conferences, and attendance at professional development workshops.

*prereq: QSTA 40600, 40700, QSTB 41300, QSTAB 30200, HED 31400*  
*coreq: QSTA 41400*

2 per week of seminar plus student teaching 4 cr.

Total ED Credits 6

Fieldwork 60 days

Total Credits 30

Note(s)

*QSTA is a designation for courses offered by the Department of Curriculum and Teaching; QSTB is a designation for courses offered by the Department of Educational Foundations; QSTF is a designation for fieldwork attached to two courses.*

**QUEST Six-Semester Sequence for Students Who Enter Hunter College as First-Year Students**

**Semester I**

**QSTA 40000 - The Art of Effective Teaching**

This course is designed to orient elementary school teacher candidates to the world of urban education and their roles as quality educators. An introduction to the basic pedagogical practices of teaching, the connection between theory and practice as it relates to the role of teachers, instructional methods for teaching diverse student populations, effective classroom management practices, organizational strategies, motivation techniques and methods of assessment.

3 hrs 3 cr.
CSCI 11500 - Computer Technology in Childhood Education

Open only to students in QUEST program. Students learn to use a number of software tools and applications that can be infused into the curriculum of the elementary school. Includes a focus on information retrieval using Internet resources and use of such application packages as Microsoft Excel, Microsoft Power Point, Inspiration and Timeliner.

prereq or coreq: QSTA 40000
3 hrs (1 lec, 2 lab) 2 cr.

Total ED Credits 3

Semester II

QSTB 20200 - Child Growth and Development

The biological, cognitive, emotional, linguistic, moral, physical and social aspects of development will be addressed with respect to their role in children's experiences in school. The critical application of developmental theories and research to diverse populations will be emphasized. Contextual influences on children's development, including family, peers and the media will be included.

coreq: QSTA 40100, QSTAB 30000
prereq or coreq: CSCI 11500, QSTA 40000
2 hrs 2 cr.

QSTA 40100 - Developmental Reading

Theoretical and practical aspects of literacy with particular emphasis on teaching literacy to diverse populations. In addition, the role of family and community involvement and the use of technology for literacy development will be stressed.

coreq: QSTB 20200, QSTAB 30000
prereq or coreq: QSTA 40000, CSCI 11500
2 hrs 2 cr.

QSTAB 30000 - Fieldwork I: Fieldwork for Child Development and Developmental Reading

Supervised experiences in classroom applications of QSTA 40100: Developmental Reading and QSTB 20200: Child Growth and Development. Students will complete 6 per week of fieldwork for a minimum of 75 contact per semester. Students will develop guided observation skills, acquire practical knowledge of the design and management of instruction and the classroom environment, and work effectively with individual students and small work groups. Students receiving a grade of C in fieldwork must apply to the chairperson for permission to re register for the course. Fieldwork may be repeated only once. Students who receive a grade lower than C may not repeat the course and may not continue in the program.

coreq: QSTA 40100, QSTB 20200
prereq or coreq: QSTA 40000, CSCI 11500
75 hrs 1 cr.

Total ED Credits 5
Fieldwork 75 hours

Semester III

QSTA 41000 - Literacy Across the Content Areas

Theoretical, methodological, practical, and technological aspects of teaching literacy to elementary school students with an emphasis on meeting the literacy needs of diverse student populations.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000, CSCI 11500
coreq: QSTA 41200, QSTAB 30100
2 hrs 2 cr.

QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools

Teaching social studies through literature, the arts, and technology in grades 1-6. Literature selections will include original documents, essays, historical fiction, novels, diaries, journals, poetry, drama and folktales. Instructional strategies will include interdisciplinary curriculum and differentiated learning, teaching, and assessment strategies for English language learners and students with disabilities. Diverse activities will include utilizing the community, particularly museums, as a laboratory for student learning.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000
coreq: QSTA 41000, QSTAB 30100
2 hrs 2 cr.

QSTAB 30100 - Fieldwork II: Fieldwork for Literacy Across the Content Areas and Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools

Supervised experiences in classroom applications of QSTA 41000 - Literacy Across the Content Areas and QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools. Students will complete 6 of fieldwork per week for a minimum of 75 contact per semester. Students will develop the ability to apply theoretical concepts and deliver instruction to individuals and small groups of children. Students will design or adapt curriculum that meet the needs of diverse learners, including children with special needs and English language learners.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000
coreq: QSTA 41000, 41200
75 hrs 1 cr.

Total ED Credits 5

Fieldwork 75 hours

Semester IV

QSTB 41300 - Psychology of Teaching and Learning

The critical application of psychological theories and principles to classroom instruction, including: learning styles; instructional models; effective teaching; motivation; student diversity; students with special needs; classroom
management; and formal and informal assessment.

**QSTA 40600 - Mathematics Teaching and Learning in Elementary School**

Modern methods for teaching mathematics through understanding in the elementary grades.

*Transfer students may be allowed to enroll in QSTA 40600 after completing MATH 10400 and registering for MATH 10500 if their progress through the QUEST program would be delayed by the MATH 10500 prerequisite requirement.*

**QSTAB 30200 - Fieldwork III: Fieldwork for Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning**

Supervised experiences in classroom applications of QSTA 40600: Mathematics Teaching and Learning in Elementary School and QSTB 41300: Psychology of Teaching and Learning. Students will complete 6 of fieldwork per week for a semester minimum of 75 contact to demonstrate the ability to apply knowledge acquired in the Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning courses to effectively deliver instruction in the content areas to individual children, small work groups, and large groups of children.

**Total ED Credits 5**

**Fieldwork 75 hours**

**Semester V**

**QSTB 40300 - Social Foundations of Urban Education**

Contemporary issues and themes in the social foundations of childhood education viewed from an interdisciplinary perspective. Special emphasis on the role of family and community in the educational process.

**QSTA 40700 - The Arts: An Interdisciplinary Learning Experience**

Offered in collaboration with Lincoln Center Institute, this course is designed to introduce teacher candidates to the role of arts in learning across the curriculum. Teacher candidates will experience the creative process through hands-on study of works of art (visual arts, music, theatre, and dance) to enhance the aesthetic sensibilities of students in grades 1-6.
**HED 31400 - Health Education for the Classroom Teacher**

The preparation of the elementary educator to assist children in grades 1-6 in making decisions for optimum health and wellness, including nutrition education and fitness; mental/emotional health and conflict resolution; drug education; stress management; safety education including fire safety; family living/sex education including HIV/AIDS education and orientation issues; personal safety and the role of the classroom teacher as a mandated reporter of child abuse and neglect; environmental health; and violence prevention.

**Total ED Credits 6**

**Semester VI**

**QSTA 41400 - Teaching Science in Elementary Schools**

This course is inquiry-based or process-oriented. Focuses on the doing part of science more than the facts part of science. Includes analysis of local, state and national science standards, working with students from culturally diverse backgrounds, using multimedia technology effectively, and working with parents and the community. Students will be observed in science teaching activities during their co requisite student teaching in science.

**Total ED Credits 6**

**Fieldwork minimum of 60 days**

**Total Credits 30**

**Note(s)**

*QSTA is a designation for courses offered by the Department of Curriculum and Teaching; QSTB is a designation for courses offered by the Department of Educational Foundations; QSTF is a designation for fieldwork attached to two courses.*
Social Studies (BA): Additional Required Coursework and Student Teaching

Return to: Adolescent Education, Grades 7-12

Return to: Geography Major, Social Studies Option

Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parent-school-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

3 hrs 3 cr.

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

prereq: SEDF 20300, 20400

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

prereq: SEDF 20500, SEDC 21000

2 per week plus lab 2 cr.

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

3 hrs 3 cr.

**SEDC 22000 - Adolescent Health and Safety**
Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

prereq: SEDF 20300, 20400
1 hr1 cr.

Note

Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.

Additional Required Coursework and Student Teaching

SEDC 21500 - Methods I: Classroom Organization, Management, and Instruction in Social Studies, Grades 7-12

Rationales and methodologies for teaching social studies based on current theories of the nature of students, the social sciences and secondary schooling.

prereq or coreq: SEDF 20300, 20400
3 hrs3 cr.

SEDC 32500 - Methods II: Teaching Diverse Learners in Social Studies, Grades 7-12

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in the social studies. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

prereq: SEDC 21500
prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork2 cr.

SEDC 45500 - Student Teaching in Social Studies, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified social studies teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32500
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.

Department of SEEK (Search for Education, Elevation and Knowledge)

About SEEK
The SEEK Department and Program is located administratively in the School of Education. Students may be admitted to the program if they meet eligibility requirements specific to financial need guidelines and to academic preparation from high school. The supportive services offered include counseling (personal and academic), tutoring (individual and group), seminars on career planning and academic skills workshops/courses in writing, chemistry and anatomy and physiology. See the Admissions and Financial Aid sections of this catalog for additional information about SEEK admission and financial eligibility.

Courses

- ACSK 00300 - Pre-Anatomy and Physiology I
- ACSK 01900 - Basic Skills for Chemistry
- ACSK 06500 - Orientation for Success

Workshop

Writing Precept
Focus on grammar, sentence structure, and essay organization.

*prereq: perm dept
hrs: TBA

Faculty and Administration

Office:

1013 East
(212) 772-5725

Acting Chair/Director:

Jorge Fuentes
212 772-5760
jfuentes@hunter.cuny.edu

Faculty

SEEK Faculty

School of Health Sciences

School of Health Sciences

About the School of Health Sciences
Hunter’s Institute of Health Sciences, dedicated to the educational preparation of a range of health care professionals, opened its doors on East 106th Street in 1968. Six years later, the Institute became the School of Health Sciences and moved downtown to the Brookdale Health Science Center at East 25th Street, located in close proximity to many of New York’s major health care facilities. The Hunter College School of Health Sciences offers an undergraduate program in Medical Laboratory Sciences and a graduate program in Communication Sciences. The health professions complex provides students with fully equipped laboratories, computer and media facilities, a speech and hearing clinic and a library, as well as recreational facilities, a cafeteria and an on-site dormitory. Hunter’s School of Health Sciences prepares liberal arts educated professionals to enter and advance in health-related careers. These professionals will provide evaluation and clinical management of health-related conditions. The school’s programs of study provide unique educational, research, and clinical and community service oriented opportunities to students.

The undergraduate program offered at the Hunter College School of Health Sciences is

Medical Laboratory Sciences - BS

Program Director:

Steven Einheber
Brookdale Campus West 700A
(212) 481-4442, 4502
E-mail: seinhebe@hunter.cuny.edu
Web site: http://www.hunter.cuny.edu/schoolhp/mls/index.htm

Course Offerings for Undergraduate Students in Environmental and Occupational Health Sciences

Degrees in communication sciences and environmental and occupational health sciences are not offered at the undergraduate level. Electives may be taken in environmental and occupational health sciences. For further information on environmental and occupational health sciences, call the CUNY School of Public Health at Hunter College at (212) 481-7569.

Note: Physical therapy and audiology are now doctoral programs offering the DPT and the AudD respectively. They are administered by the Graduate Center of The City University of New York. Consult the Graduate Center Web site at http://web.gc.cuny.edu/ClinicalDoctoral/index.htm

Admission to Health Sciences Program

Students enter the School of Health Sciences after completion of a minimum of 60 college credits. All applicants, including those currently enrolled at Hunter College who wish to apply to Community Health Education and Nutrition and Food Science, BS degree in the Urban Public Health Program, must file a City University of New York (CUNY) transfer (Advanced Standing) application. The application may be obtained at Hunter’s 68th Street Campus in the college’s Welcome Center, Room 100 Hunter North, (212) 947-4490; at CUNY’s Office of Admission Services, 1114 Avenue of the Americas, New York NY 10036, (212) 927-2869, at all CUNY campuses, and online at http://www.cuny.edu. You can also apply online at www.cuny.edu; click on Prospective Students.

If you are applying by mail, the transfer application and required supporting academic records must be mailed to the University Application Processing Center, PO Box 359023, Brooklyn, NY 11235-9023 between January 1 and March 1 for the fall semester, and between September 1 and November 1 for those programs with spring admissions. Applications received after the deadline are not given priority consideration and are processed on a space-available basis.
Applicants with completed applications by the deadline date can expect to be notified no later than May 1 for the fall semester and by December 1 for the spring semester. Students who have not completed the prerequisite course requirements to be considered for admission to one of these undergraduate programs in the School of Health Sciences may wish to transfer to Hunter College as liberal arts and science students. These students should follow the same transfer admission processes detailed above.

The requirements for consideration for admission to program in the School of Health Sciences are as follows:

**Medical Laboratory Sciences** Completion of 60 credits; minimum GPA of 2.5; one year of general chemistry with lab; one year of general biology with lab. Hunter College students applying to Medical Laboratory Sciences should contact the program, preferably in the semester before they wish to enter, or earlier if they have questions. Qualified students will receive the Major/Minor form that allows them to declare Medical Laboratory Sciences as their major, usually at their first academic advisement session. Students not currently at Hunter College should file a transfer application as stated under Admissions (above).

**Course of Study** Candidates for the BS degree complete a total of 120 credits and are exempt from the college’s foreign language requirement. In addition to the special requirements of Medical Laboratory Sciences, all candidates for graduation must also complete a Hunter-wide General Education Requirement that is explained in detail in the General Education section of this catalog. We recommend that students complete most General Education Requirements before they enter any of the programs in the School of Health Sciences.

**Scholastic Requirements** Student grades are reviewed each semester to determine eligibility for remaining in programs of the School of Health Sciences. Each student must maintain an overall GPA of 2.5 for each semester and a grade of C or better in each major course. Major courses must be taken for letter grades except, at the discretion of the program director, for clinic, field or independent study. Program permission is required in order to register for most courses offered at the School of Health Sciences. Permit forms are authorized by program advisers during the pre-registration and registration periods.

**Administration and Faculty**

**Main Office:**
1010 Brookdale Campus West  
(212) 481-4324

**Student Information:**  
(212) 481-4442  
Brookdale Health Science Center  
425 East 25th Street New York, NY 10010

**School Director:**
Marilyn Iris Auerbach  
(212) 481-4234  
mauerbac@hunter.cuny.edu  
[Web site](http://www.hunter.cuny.edu/schoolhp/shs/index.htm)

**Faculty**

Faculty of the School of Health Sciences

**HEGIS Code:** 1223
Hunter-Bellevue School of Nursing

About the School

Nursing education began at Hunter in 1943, when courses for registered nurses were added to its curriculum. In 1955, a four-year collegiate program that was a pioneer for its time — the Hunter College Program in Nursing — was launched. When the Bellevue School of Nursing closed in 1969, Hunter absorbed it to create the Hunter-Bellevue School of Nursing, now located at the college’s Brookdale Health Science Center at 425 East 25th Street in Manhattan, near Bellevue Hospital.

The Hunter-Bellevue School of Nursing is one of the largest and most prestigious nursing schools in the country. Recognized by the National League for Nursing (NLN) as a Center of Excellence in Nursing Education, the school’s programs combine liberal and professional education with a humanistic and comprehensive approach to health care.

Programs

The School of Nursing offers three pathways leading to the Bachelor of Science (nursing) degree. The undergraduate program has three pathways: the Generic Pathway, for those students who do not have an RN license; the RN Pathway, for those students who have completed a nursing program and have received or are about to receive a current RN license to practice professional nursing in New York State; and the Accelerated 2nd Degree Pathway, for those students who have already achieved a baccalaureate degree in another field of study and wish to transition into a nursing profession. Information on applying to all of our programs is available on our website at http://www.hunter.cuny.edu/nursing.

In earning the bachelor of science (nursing) degree, students in all pathways complete lower division (general education) and upper division (professional education) curriculum requirements. See Pathway pages below for specific program requirements.

Pathways

Nursing Generic Pathway

Nursing Accelerated 2nd Degree Pathway

Nursing RN Pathway

Nursing Course Listing

Courses for Hunter-Bellevue School of Nursing

Admission Requirements (all Programs)
Students are considered for admission to the Generic Pathway Program and Accelerated 2nd Degree Pathway Program for the fall semester only, and only after completing lower division courses. RN Pathway students are admitted for the fall semester. An overall college GPA of 3.0 in addition to other requirements is the minimum requirement for consideration of an application. Admission to the School of Nursing is competitive. A minimum grade of “C” must be maintained for all required science, mathematics, and nursing courses. Generic Pathway and Accelerated 2nd Degree Pathway students must attend during the day on a full-time basis. Only matriculated Hunter College students can apply to the Generic Pathway Program. RN Pathway students may attend during the day or evening (depending on scheduling of courses) on a full- or a part-time basis. All undergraduate nursing students are assigned a faculty member who is their academic adviser and mentor throughout the program.

Licensing and Accreditation

The Hunter-Bellevue School of Nursing is accredited by the Commission on Collegiate Nursing Education (CCNE) through June 2020. Hunter-Bellevue graduates are prepared to give first-level professional nursing care in all areas of nursing practice. Graduates from the Generic and Accelerated 2nd Degree Pathway are eligible to take the National Council Licensing Examination. A student who has been convicted of a felony or misdemeanor will have to undergo investigation by the Office of Professional Discipline, which might result in licensure being withheld. The program also provides a foundation for graduate study at the master’s level, which is also offered at the School of Nursing.

Administration and Faculty

Location:

425 East 25th St.
New York, NY 10010
Web site: http://www.hunter.cuny.edu

Joan Hansen Grabe Dean of Nursing

Gail C. McCain
5th floor Brookdale Campus West
(212)481-7596

Director of Undergraduate Programs
Generic and RN Pathways:

Catherine D'Amico
530 Brookdale Campus West
(212) 481-7598
(212) 481-4427 (fax)

Faculty

Faculty of Hunter-Bellevue School of Nursing

HEGIS Codes: 1203 (Generic); 1203.10 (RN Pathway)

CUNY School of Public Health at Hunter College

CUNY School of Public Health at Hunter College
About CUNY School of Public Health

Hunter College is a consortial partner and the lead institution in the CUNY School of Public Health (SPH). The CUNY SPH is comprised of public health degree programs at Brooklyn College, Hunter College, Lehman College and the Graduate School and University Center (Graduate Center) of CUNY. Within the CUNY SPH, teaching, research and service are focused on four broad inter-related goals that reflect major health challenges in the current era:

1) creating healthier cities
2) promoting healthy aging through the lifespan
3) preventing chronic diseases and improving their management
4) promoting health equity

The programs at the CUNY SPH at Hunter College educate students to contribute to improved urban health by addressing such problems as HIV, substance abuse, asthma, obesity, undernutrition, violence, heart disease and cancer. Students are prepared to work with the diverse populations living in cities, and to serve in a variety of settings in government, public and private agencies, hospitals, schools, community organizations and businesses. Many students go on to enroll in graduate programs after they earn the bachelor’s degree and qualified undergraduates can take selected graduate courses in Urban Public Health in their senior year.

CUNY SPH at Hunter College offers undergraduate degrees in Community Health - BS and Nutrition and Food Science - BS, a master of public health (MPH) degree, with specializations in community health education (COMHE), environmental and occupational health sciences (EOHS-MPH), epidemiology and biostatistics (EPI-BIOS), public health policy and management (HPM) and nutrition (NUTR-MPH). It also offers a Master of Science (MS) degree, with specializations in environmental and occupational sciences (EOHS-MS) and Nutrition (NUTR-MS). The MS degree in Nutrition (NUTR-MS) is an accredited didactic program in dietetics (DPD), and is designed for individuals seeking to become eligible to sit for the national registration examination in dietetics to become credentialed as a Registered Dietitian (RD). With the Hunter-Bellevue School of Nursing, it also offers an MSN/MPH degree in community health nursing. (Please see the Graduate catalog catalog.hunter.cuny.edu/content.php).

With the Graduate Center, the CUNY SPH at Hunter College offers a doctor of public health (DPH) degree, with specializations in community society and health, epidemiology, environmental and occupational health and public health policy and management. The DPH degree program can be found at the CUNY Graduate Center website www.gc.cuny.edu/.

Community Health - BS Completion of 60 credits; combined grade point average of all postsecondary institutions attended of 2.5; one semester of biology with lab; one semester of statistics.

Nutrition and Food Science - BS Completion of 60 credits, including the following prerequisites: two semesters of anatomy and physiology with lab; one semester of general chemistry with lab; one semester of organic chemistry with lab; one semester of microbiology with lab; one semester of introductory food science; one semester of introductory nutrition. The introductory food science and nutrition courses may be completed in the summer session preceding entrance to the program. A grade of C or better must be earned in all prerequisites. The introductory food science and nutrition courses may be completed in the summer session preceding entrance to the program. An overall GPA of 2.8 is required for consideration. Owing to the competitive nature of the program, however, the actual GPA required for admission may be higher. Students who have completed 30 credits at Hunter College or at another City University institution at the time of the application will be given priority in the selection process. Students can attend on a full- or part-time basis during the day.

Administrative Office:
Diane Brows  
CUNY School of Public Health at Hunter College  
2180 3rd Ave, Room 308  
212-396-7721  
cuny sph@hunter.cuny.edu  
Website: http://www.hunter.cuny.edu/uph

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Kenneth Olden  
2180 3rd Ave, Room 502  
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Acting University Associate  
Dean for Academic Affairs:

Susan Klitzman  
2180 3rd Ave, Room 508  
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Programs and Courses

Programs and Courses in Urban Public Health

Faculty

Faculty of the CUNY School of Public Health

Faculty

Faculty of the School of Arts and Sciences  
Faculty of Hunter-Bellevue School of Nursing 
Faculty of the School of Health Sciences  
Faculty of the CUNY School of Public Health 
Faculty of the School of Education

Archived Catalogs

Archived Undergraduate Catalogs

Follow the following links to view the archived versions of the Undergraduate Catalog:
Using Archived Catalogs

These archived catalogs are stored in pdf format. To view these documents you will need the Adobe Acrobat Reader software installed. To obtain this free software please visit http://get.adobe.com/reader/.

Programs, Progress Standards, and Courses in Education

School of Education

Undergraduate Programs

Abbreviations

Return to General Information

APT  Advanced Placement test
APTS  Aid for Part-time Study
BA  Bachelor of Arts
BFA  Bachelor of Fine Arts
BMus  Bachelor of Music
BS  Bachelor of Science
CR/NC  Credit/No credit
CLEP  College-Level Examination Program
HW Hunter West Building
HEGIS Higher Education General Information Survey
hr(s) hours
IN incomplete
instr Instructor
JD Doctor of Jurisprudence
Jr Junior
K-12 Kindergarten through 12th Grade
lab laboratory
lec lecture
MA Master of Arts
MARC Minority Access to Research Careers
MBRS Minority Biomedical Research Support
MFA Master of Fine Arts
MHC CUNY Macaulay Honors College
MMUF Mellon-Mays Undergraduate Fellowship Program
MPH Master of Public Health
MPT Master of Physical Therapy
MS Master of Science
MSEd Master of Science in Education
MSW Master of Social Work
MUP Master of Urban Planning
PD Pluralism and Diversity
perm permission
PhD Doctor of Philosophy
PLUS Parent Loans for Undergraduate Students
Pre-K-12 Pre-kindergarten through 12th grade
prereq prerequisite
QUEST Quality Urban Elementary School Teachers
rec recommendation
recit recitation
SAT Scholastic Aptitude Test
SEEK Search for Education, Elevation and Knowledge
sem semester
So sophomore
Sp Spring
Sr Senior
Su Summer
TAP Tuition Assistance Program
TEP Teacher Education Program
TBA to be arranged
TH Thomas Hunter Hall
TOEFL Test of English as a Foreign Language
U Undergraduate
W student withdrawal without penalty
WA administrative withdrawal without penalty
WU unofficial withdrawal (failure
yr year

Aid for Part-Time Study
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Credit/No Credit
College-Level Examination Program
conference
Academic Programs and Policies

The Academic Program

The Bachelor of Arts (BA) encompasses sciences, humanities and the arts and the social sciences. It prepares students for positions in profit, nonprofit and government organizations or for graduate programs.

The Bachelor of Science (BS) provides training for a particular career and is therefore considered a professional degree. Hunter offers BS degrees in 5 fields.

The Bachelor of Fine Arts (BFA) is a program concentrating in art for highly qualified students. This program is described in detail in the section devoted to the Art Department.

The Bachelor of Music (BMus) is a program designed for students who intend to perform professionally or to teach the performance of music. This program is described in detail in the section devoted to the Music Department.

The Bachelors/Masters programs are designed for highly qualified students in particular areas of study; they enable full-time students to complete both the bachelor’s and master’s degrees in 4-5 years. Students in combined programs will pay undergraduate tuition rates up to the number of credits required to earn a baccalaureate degree in their major [generally 120 credits]. Any credits taken toward the combined degree after the credits required to earn their bachelor's degree are charged at the graduate tuition rate. Some programs offer teacher certification at the master’s level. Fifteen programs are available. See below for a list of programs.

The CUNY (City University of New York) Baccalaureate degree is a university-wide program. This degree, awarded by CUNY rather than by a specific undergraduate CUNY college, may be a BS or BA degree and is intended for students who have well formulated individual academic and career goals. Students who are accepted work out their programs with a faculty committee of their choice that is willing to support the student’s plan of study. Students pursue their studies at one or more colleges in CUNY, according to their interests. Students must complete at least 15 but not more than 90 credits to be considered for admission to this program. Further information can be obtained from the CUNY/BA adviser in the Office of Student Services.

Policy on Remediation

Beginning January 2000, students enrolling at Hunter College must prove their proficiency in reading, writing and mathematics through SAT scores, Regents scores or assessment tests prior to registration. Remedial courses are no longer offered by the college. ESL and non-proficient SEEK students are exempt from this policy, but must adhere to the following guidelines (see the Admissions section of this catalog for information about ESL and SEEK designations): SEEK students must enroll in the appropriate basic skills workshop(s) prior to enrolling in their first semester at Hunter. SEEK students who do not gain proficiency in the pre-first semester workshops must take additional basic skills workshops during the semester. SEEK students must demonstrate proficiency within one year of enrollment at Hunter. SEEK students needing basic skills coursework must consult with the director of the SEEK Program for course access and availability. ESL students are placed in an appropriate developmental reading and/or writing course during their first semester and may continue taking developmental courses in their second semester, if needed. ESL students must demonstrate proficiency by the end of their fourth consecutive semester at Hunter. ESL students should see the ESL adviser in the English Department, Room 1212 Hunter West, for details about basic skills proficiency requirements.

College Preparatory Initiative
Students who graduated from high school in spring 1993 or later are required to satisfy a set of prescribed educational competencies known as the College Preparatory Initiative (CPI). Students who do not satisfy the Initiative through coursework taken while in high school take appropriate college-level courses to meet the requirement. See the Admissions section of this catalog for CPI requirements.

**General Education Requirement**

Students must fulfill the General Education Requirement, which consists of a Core Requirement made up of three sequential stages of liberal arts courses, as well as three graduation requirements: Writing, Foreign Language and Pluralism and Diversity. See section on General Education Requirement below.

*Note: Returning students must see an adviser to determine the requirements they must meet.*

**Major Field of Study**

Students must choose a major field of study for a Bachelor's degree at Hunter College (a major for a BA usually consists of 24 to 30 credits, a major for a BS is approximately 60 credits). See Major Field of Study below.

**Elective Courses**

Elective courses are courses chosen by the student, provided the prerequisites are met, to complete the total credits required for the degree. See Elective (or Optional) Credits below.

**The General Education Requirement**

**Introduction**

All undergraduate students who matriculated at Hunter College in fall 2001 and later must fulfill the General Education Requirement (GER), a set of competencies, knowledge areas and perspectives that Hunter College considers essential to the intellectual development of its undergraduates. Students are strongly urged to complete most of the GER before going into their major and minor. Without the necessary background found in the GER, you may find yourself at a disadvantage in your major courses. However, students in highly structured programs, such as the sciences, mathematics, foreign languages and BFA, BMus and BS degree should begin their major and minor courses and their Core requirements concurrently.

The General Education Requirement is composed of the Core Requirement, consisting of designated courses at various academic levels and three graduation requirements: the Writing Requirement, the Foreign Language Requirement and the Pluralism and Diversity Requirement. Transfer students who have earned an AA/AS degree from a CUNY college and who matriculated in fall 2003 and after are exempt from the Core requirements of the GER, but must fulfill the three graduation requirements of Writing, Pluralism and Diversity and Foreign Language. Transfer students who have earned an AA/AS degree from a CUNY college and who matriculated between fall 2001 and summer 2003 are exempt from the Core Requirement and the Writing Requirement. Evaluated transfer credits sometimes can be used to fulfill the GER requirements. All transfer students should carefully check their evaluated courses against the GER. Students transferring from a CUNY school without an AA or AS degree should seek an adviser to help determine which courses they may use to satisfy Core requirements. For overlaps and restrictions on these different requirements and their relation to major and minor requirements, see the section below on Regulations for Core Requirement.
Summary

The Core Requirement, composed of designated courses, is divided into three sequential Stages: 1-Academic Foundations; 2-Broad Exposure; and 3-Focused Exposure.

Stage 1 – Academic Foundations (Students should complete this stage within their first 30 credits.) The Academic Foundations Stage includes courses in mathematics, composition and history that provide students with the analytic, interpretive, communication and historical competencies and perspectives critical to academic success.

Stage 2 – Broad Exposure (Students should complete this stage within their first 45 credits.) The Broad Exposure Stage continues with courses in the social sciences, humanities, arts and natural sciences to introduce students to a broad range of disciplinary perspectives and areas of knowledge.

Stage 3 – Focused Exposure (Students should complete this stage within their first 60 credits.) This Stage requires students to select advanced courses outside their major (students with more than one major should see the Regulations for Core Requirement, below).

The Focused Exposure Stage includes courses in areas that the student has selected to study in greater depth, in the expectation that more advanced students should do more analysis and research.

Graduation Requirements:

Comprise the Writing Requirement, the Foreign Language Requirement and the Pluralism and Diversity Requirement.

1. Writing Requirement The Writing Requirement ensures that all students have significant writing experiences. It is recommended that students fulfill the Writing Requirement early in their academic career in order to prepare effectively for advanced coursework. Courses that can be taken to fulfill the Writing Requirement carry the designation “W” in this catalog. The maximum number of writing intensive, W-designated courses a student must take is 3 (see the section below on Writing Requirement). All W courses must be taken at Hunter. The W-designated courses (or specific sections thereof) are indicated in the Schedule of Classes each semester.

Note: Not all sections of a course are necessarily offered with significant writing. To satisfy the Writing Requirement a section designated as W in the “Schedule of Classes” must be taken.

2. Foreign Language Requirement The goal of this requirement is to provide facility in a language other than English and to enable students to access non-English literatures. In learning a foreign language and studying its literature and cultures, students acquire new perspectives on how people think, view the world, express themselves and communicate with one another. Language learning expands one’s ability to create and discover new meaning in one’s own language and culture. An awareness of contrasting cultural concepts sensitizes students to the differences between their own culture and others — increasingly important, as the communities of the world have become so interconnected and interdependent. This is a graduation requirement. The requirement of four semesters of language courses or an equivalent combination of college and high school courses is fulfilled only if all four semesters are completed in the same language.

All BA, BFA and BMus students must fulfill a graduation requirement of intermediate (fourth semester) foreign language proficiency. It is recommended that students begin the first two semesters of foreign language proficiency within their first 30 credits at Hunter. Although intermediate foreign language proficiency is required only by the time a student graduates, gaps in language instruction are very undesirable and it is strongly recommended that students complete all their foreign language requirements in consecutive semesters. Students in BS programs should check the requirements for their specific program. Students who
change from a BS to a BA program must meet the foreign language requirement for the BA degree.

3. **Pluralism and Diversity Requirement** This requirement is composed of designated courses in four groups (A, B, C, D). A course can satisfy only one of these four groups, though it may also satisfy a requirement in the Core and in the minor and major.

The General Education Requirement is composed of a Core Requirement and Graduation Requirements in: Writing, Foreign Language, and Pluralism & Diversity. Any number of courses from a major or minor may be used to satisfy the Pluralism and Diversity Requirement and the Writing Requirement.

*Note: The list of courses satisfying the requirements is often updated. For the most recent list, please check the Registrar’s Web site at: http://registrar.hunter.cuny.edu*

**Regulations for Core Requirement:**

1. A course may be used to satisfy only one Core Requirement.

2. No more than two courses per department or program may be applied to satisfy Core requirements.

   Exceptions to this are courses in Stage 1: Academic Foundations.*

3. All courses satisfying Core, Stage 2 Groups A through D must be from different departments or programs.*

4. Students may apply up to two courses from their major to satisfy Stage 1 and Stage 2 of the Core; only one of these is permitted to fulfill a Stage 1 requirement, and only one a Stage 2 requirement.

   *Note: Students who have declared two or more majors can use up to two courses from one of those majors to satisfy Stage 1 and Stage 2 of the Core. Only one of these is permitted to fulfill a Stage 1 requirement, and only one a Stage 2 requirement. Courses from minors and any additional majors can be used without limit to satisfy Stages 1, 2, and 3 of the Core.*

5. *All CUNY Macaulay Honors College (MHC) courses designated for the Core Requirement may be applied toward the Core Requirement.*

**Core Requirement**

**Stage 1: Academic Foundations**

List of Approved Courses for GER Core Stage 1: Academic Foundations

This Stage involves basic academic skills needed for success in the liberal arts and sciences. Accordingly students should complete this Stage as early as possible, preferably within their first 30 credits at Hunter. Exemption may be granted on the basis of placement exams or other criteria as determined by the Hunter College Senate. Such exemptions do not yield credit unless they are based on the successful completion of college courses.

<table>
<thead>
<tr>
<th>Group</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
</table>
| A     | 3       | **English Composition**

This requirement introduces expository writing and academic discourse. Through reading, writing, and rewriting, students learn to generate, explore, and refine their own ideas, analyze and evaluate intellectual arguments, take positions and support
them persuasively, and write with sound grammar, varied sentence structure, logic, and coherence.

**B 3  Quantitative Reasoning**
The goal of this requirement is to develop competence in mathematical and quantitative reasoning, including the use of numerical and graphical data in making judgments on personal, professional, and public issues. Students who place out of MATH 125 are exempt from this requirement.

**C 3  US History**
This requirement introduces portions of the history of the United States covering periods of time sufficiently long to reveal the historical dynamic and bring understanding of the historical contexts that have created our social and political institutions. It emphasizes the importance of the historical perspective and method, an understanding of how, where, and why change has occurred over time, and an awareness that the world we live in has been influenced by the past. HIST 151W, 152W, PLSC 110W

**Stage 2: Broad Exposure**

List of Approved Courses for GER Core Stage 2: Broad Exposure

These courses should be completed within a student’s first three semesters (full-time) or 45 credits (part-time) at Hunter.

<table>
<thead>
<tr>
<th>Group</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3</td>
<td><strong>Survey of Literature Written in English</strong>&lt;br&gt;This requirement is meant to increase students’ understanding and appreciation of literature written in English. Courses emphasize close readings of representative texts chosen to familiarize student with various authors, periods, and genres - fiction, drama, and poetry - and to provide a firm foundation for further literary study. Written assignments include quizzes, papers, and a midterm and final exam.</td>
</tr>
<tr>
<td>B</td>
<td>6</td>
<td><strong>Social Science: People and their Societies</strong>&lt;br&gt;The goal of this requirement is to introduce students to the understanding of individual and collective human behavior. Students should be aware of the geographic, political, social, economic, historical, and psychological effects on the human environment. By studying human relations and the human experience students should learn the methodologies as well as the nature, scope, and limits of specific disciplines in the social sciences.</td>
</tr>
<tr>
<td>C</td>
<td>3</td>
<td><strong>Humanities: Cultures and Ideas: Literature, Philosophy, Classics</strong>&lt;br&gt;This requirement is meant to introduce students to the human intellectual heritage, the wisdom, and the vision expected of well-educated members of the global human community. The study of texts, thoughts, cultures, and human values should nourish the mind and the spirit, inspiring an enduring love of learning. The humanities are strongly linked to other fields of higher education and are vital to the health of society.</td>
</tr>
</tbody>
</table>
Visual and Performing Arts: Media, Art, Dance, Film, Music, Theater
This requirement is meant to introduce students to significant works of the creative imagination, familiarize them with a medium of creative expression, and enable them to actively participate in individual aesthetic and creative experiences. Through critical analysis, research, and direct involvement in creative work in a particular medium, students should develop an appreciation of the interrelations of intellectual and emotional responses to the arts and letters.

Natural Science: Two courses are required, one of which must include a laboratory component. These may be in the same discipline.
The goal of this requirement is to introduce students to the concepts and ways of thinking of the natural sciences. The sciences have intrinsic intellectual value, pursuing basic questions about the workings of the universe and the world around us. Students should be conversant with the rapid pace of scientific advances and able to make informed decisions about scientific matters in the public domain.

Stage 3: Focused Exposure
List of Approved Courses for GER Core Stage 3: Focused Exposure
These courses are intended to give students the opportunity to study selected subjects outside their major department or program in greater depth than in Stage 2. Usually, these courses will be beyond the 100 level. Accordingly, it is strongly recommended that students take a first course in the same discipline. A student must take one course from Group A and one course from Group B in Stage 3.

<table>
<thead>
<tr>
<th>Group</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3</td>
<td>Humanities or Visual and Performing Arts One course beyond the introductory level is required, chosen from humanities or the visual or performing arts.</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
<td>Social Sciences or Natural Sciences/Mathematics One course beyond the introductory level is required, chosen from social sciences or natural sciences/mathematics.</td>
</tr>
</tbody>
</table>

Graduation Requirements

Writing Requirement
List of Approved Courses for the GER Writing Requirement
Students matriculating with fewer than 31 credits must take three courses in significant writing — “W” designated courses — at Hunter College. Transfer students matriculating with 31 to 59 credits must take at least two “W” designated courses at Hunter College. Transfer students matriculating with 60 to 90 credits must take at least one “W” designated course at Hunter College. (ENGL 120 does not count as “W” designated course.)
Note: Specific sections of courses containing significant writing are listed with a W designation in the Schedule of Classes. Please note that not all sections of a course are necessarily offered with significant writing. To satisfy the Writing Requirement a section designated as W must be taken.

Foreign Language Requirement

List of Courses for the GER Foreign Language Requirement

Hunter College currently offers the following programs to meet the foreign language requirement:

Chinese (CHIN), French (FREN), German (GRMN), Greek (GRK), Hebrew (HEBR), Italian (ITAL), Japanese (JPN), Latin (LAT), Polish (POL), Russian (RUSS), Spanish (SPAN), Swahili (SWA), Ukrainian (UKR), Yoruba (YOR).

Course of Study:

All students must demonstrate foreign language proficiency at the 12-credit level or its equivalent. In each language a required course sequence (12 credits) is offered: Elementary I and II (2 three-credit courses or 1 six-credit intensive course) and Intermediate I and II (2 three-credit courses or 1 six-credit intensive course). The Elementary three-credit courses are usually numbered 101 and 102 and the Intermediate three-credit courses are usually 201 and 202 (except that the Spanish for Native Speakers sequence is SPAN 105, 106, 207, and 208; intermediate Greek is GRK 110 and GRK 202 or 203; intermediate Latin is LAT 110 and LAT 201, 202, 203, or 204). The intensive six-credit courses are usually numbered 103 and 203 (except for: CHIN 107 and 207; GRK 107; and LAT 107). Intensive courses are not offered in all languages. The first semester of a four-course sequence will not be credited without successful completion of the second semester.

Exemption: Students may be exempted from part or all of the foreign language requirement by virtue of:

1. Successful completion of high school courses. Each year of language study completed in high school is equivalent to one semester (3 cr) of the same language in college. The requirement of 4 semesters of language courses or an equivalent combination of college and high school courses is fulfilled only if all 4 semesters are completed in the same language. Students who have completed 4 years of one foreign language in high school should apply for an exemption with the Coordinator of Academic Appeals; an official high school transcript is required. Students who have passed a language Advanced Placement Test of the College Board with a grade of 5, 4, or 3 should contact the Office of Admissions.

2. Passing at least one advanced college foreign language or literature course that has a 4th semester level prerequisite in that language.

3. Competency demonstrated through proficiency examinations. To arrange for an examination contact the appropriate department office; if the language in question is not taught at Hunter College contact the dean of the School of Arts & Sciences.

4. Presentation of foreign secondary school documentation. Students who have graduated from a high school outside the United States in which the language of instruction was other than English may be exempted from the foreign language requirement upon presentation of a high school or secondary (equivalent) transcript.

5. Presentation of foreign university documentation. Students who present appropriate evidence that they have completed one or more semesters of full-time study at a college or university outside of the United States in which the language of instruction was other than English may be exempted from the foreign language requirement. Native speakers of English who participated in a study-abroad program or a program specifically designed for foreigners may be exempted from the foreign language requirement if they provide sufficient evidence of their proficiency in the foreign language.
Note: an exemption from a language requirement does not yield any credit unless the exemption is based on successful completion of college courses.

Placement: Students may begin a foreign language at Hunter College. Students who are not exempt from the foreign language requirement as described above should choose their language course as follows:

1. Students who have satisfactorily completed 3 years of study of one language in high school or have completed the college equivalent of the 3rd level in a foreign language sequence should take the 4th course in the required sequence.

2. Students who have satisfactorily completed 2 years of study of one language in high school or have completed the college equivalent of the second level in a foreign language sequence should take the 3rd and 4th courses in the required sequence.

3. Students who have satisfactorily completed 1 year of study of a language in high school or have completed the college equivalent of the 1st level in a foreign language sequence should take the 2nd, 3rd and 4th courses in the required sequence.

4. Students who are beginning the study of a foreign language should take all 12 credits of a course sequence.

Pluralism And Diversity Requirement

List of Approved Courses for the GER Pluralism and Diversity Requirement

The growing interdependence of the world’s political, economic, and cultural relations, along with the increasingly diverse character of the American citizenry in general and the students of Hunter College in particular, make it imperative that Hunter undergraduates be exposed to a wide range of intellectual traditions, perspectives, and concerns arising from all corners of the globe. The emergence of sizable bodies of scholarship in recent decades reflecting that intellectual array makes it important for Hunter to present them as an integral part of the education of its undergraduates.

Accordingly, all students, including transfer students, who entered Hunter College in the fall 1993 semester or later are required to complete 12 credits in designated courses that address issues of pluralism and diversity before graduating from Hunter College. Students choose three credits from each of the four groups below. Work done at other colleges may be counted towards the pluralism and diversity requirement. When a student is given course equivalence for a course that counts towards pluralism and diversity, that student will also be deemed to have met the corresponding pluralism and diversity requirement except that, for BIOL 100/102 and BIOL 100/160, students must see the department to receive pluralism and diversity credit. All courses used to satisfy Pluralism and Diversity requirements may simultaneously meet a student’s Core Requirement or the courses necessary for a major or minor area of study.

Note: While some courses may be listed in more than one group of the requirement, students will be able to apply such course to only one of the four areas.

<table>
<thead>
<tr>
<th>Group</th>
<th>Credits</th>
<th>Group or Societal Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3</td>
<td>A course focusing on scholarship about major practical or theoretical issues (e.g., artistic, economic, geographic, literary, political, scientific, or social) that emerge from, are reflected in, or are principally derived from the historical conditions, perspectives, and/or intellectual traditions of non-European societies, particularly those of Africa, Asia, Latin America, or those indigenous to the Americas.</td>
</tr>
</tbody>
</table>
A course focusing on scholarship about major practical or theoretical issues (e.g., artistic, economic, geographic, literary, political, scientific, or social) that emerge from, are reflected in, or are principally derived from the historical conditions, perspectives, immigrant experiences, and/or intellectual traditions of one or more of the following groups in the United States of America: African Americans, Asian Americans, Latino Americans, and Native Americans.

A course focusing on scholarship about major practical or theoretical issues (e.g., artistic, economic, geographic, literary, political, scientific, or social) that emerge from, are reflected in, or are principally derived from the historical conditions, perspectives, and/or intellectual traditions of women and/or issues of gender or sexual orientation.

A course focusing on scholarship about major practical or theoretical issues (e.g., artistic, economic, geographic, literary, political, scientific, or social) that emerge from, are reflected in, or are principally derived from the historical conditions, perspectives, and/or intellectual traditions of Europe, including the ways in which pluralism and diversity have been addressed.

* Groups designated by letters A, B, C, and D substitute for Groups originally called 1, 2, 3, and 4, respectively.

Note: SOC 101 has been withdrawn from Group A. This change has gone into effect for all students entering Hunter in fall 2001.

Major Field of Study (Major and Minor)

The total number of credits for the Bachelor’s degree is 120. In order to earn a Bachelor’s degree at Hunter College, a student must fulfill not only General Education Requirements (GER) but also must select a major field of study (major). A major is a concentration of courses in a particular subject area. A major for a BA usually consists of 24 to 30 credits, a major for a BS is approximately 60 credits.

All majors offered by Hunter College have been authorized by the New York State Education Department. See Degree and Certificate Programs above.

Requirements for a Major

All matriculated students must declare a major no later than the semester in which the combination of credits earned and credits for which they are currently registered totals 60 or greater. Transfer students entering with 60 credits or more must declare their major before the end of their first semester of attendance at Hunter. Students may find that some courses and career opportunities are available to them only if they have declared a major. In addition, under New York State guidelines, students who have not yet declared a major by the 60-credit point, or changed their major/program, by the end of the drop/add period of the semester are ineligible for TAP financial aid. To declare or change a major, a student should get a major declaration form from the OASIS, Room 217 Hunter North and confer with an adviser in the major department.

For students who are nearing the 60-credit point and remain undecided about their choice of major, there are a number of avenues of assistance. Designated faculty in each academic department advise prospective majors about the undergraduate programs and related career possibilities. Also, the counselors in the Office of Student Services and Career Development Services offer assistance in choosing a major. The college is concerned that students select their major with careful consideration and with good knowledge of the range of options.
To earn a Hunter degree, students must complete at least half of their major credits at Hunter.

**Double Major**

It is possible to have a double major in the BA degree. The student must complete all of the General Education Requirement, satisfy the sequence of study for both majors and file a major declaration form for each approved major. The double major must consist of courses taken in liberal arts departments or programs.

**The Minor**

A minor is a secondary concentration usually related to the student’s educational or career goals. A minor program consists of a set of courses that are defined as a minor by an academic department or program. A minor encompasses at least 12 and at most 18 credits. Fulfilling the requirements for a minor is an option for students who want to document abilities in an academic field in addition to their major. It is left to the decision of individual departments or programs whether they offer a set of courses leading to a minor. Interdisciplinary minors may be established between two or more departments.

A student has the option of declaring up to two minors.

To declare or change a minor, a student should get a minor form from the OASIS, Room 217 Hunter North, and confer with an adviser in the minor department.

In order to graduate with a minor in a specific field, a student must maintain a grade point average of at least 2.0 in the courses taken in that field.

Minors require that at least one half of the credits be taken at Hunter College; there may be exceptions to this within specific departments; please refer to departmental guidelines.

Courses from the minor can be used without limit to satisfy Stages 1, 2 and 3 of the Core, the Writing requirement and the Pluralism & Diversity Requirement. Although this does not lessen the number of credits required for the degree, it frees those credits to be used in an elective area.

**Adolescent Education**

Students who want to become teachers in secondary schools must complete the adolescent education sequence of 23 credits and may also have to take some liberal arts courses beyond those required for the General Education Requirement. In order to be admitted to this program, students must apply to the School of Education. See the School of Education section for the admission process. The adolescent education program leads to initial NYS certification.

**The Major and the GER**

Students may apply up to two courses from their major to satisfy Stage 1 and Stage 2 of the Core; only one of these is permitted to fulfill a Stage 1 requirement and only one a Stage 2 requirement.

Note: Students who have declared two or more majors can use up to two courses from one of those majors to satisfy Stage 1 and Stage 2 of the Core. Only one of these is permitted to fulfill a Stage 1 requirement and only one a Stage 2 requirement. Courses from the minors and any additional majors can be used without limit to satisfy Stages 1, 2 and 3 of the Core, the Writing Requirement and the Pluralism & Diversity Requirement.
Departmental Majors

BA Degree These are majors concentrated within one department. The major for a BA usually consists of 24 to 30 credits. In order to graduate, a student must have a minimum GPA of 2.0 in the courses designated for the major. Major departments may have higher requirements. Each student should consult the major department for details and also check the department’s description of the major in the catalog.

The following are departments and/or programs that offer majors leading to the BA degree.

<table>
<thead>
<tr>
<th>Africana and Puerto Rican/Latino Studies</th>
<th>History</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>Italian</td>
</tr>
<tr>
<td>Art</td>
<td>Latin</td>
</tr>
<tr>
<td>Biology</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Music</td>
</tr>
<tr>
<td>Chinese</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Classical Studies</td>
<td>Physics and Astronomy</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Political Science</td>
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<tr>
<td>Dance</td>
<td>Psychology</td>
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<tr>
<td>Economics</td>
<td>Romance Languages</td>
</tr>
<tr>
<td>Film and Media Studies</td>
<td>Russian</td>
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<tr>
<td>French</td>
<td>Sociology</td>
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<tr>
<td>Geography</td>
<td>Spanish</td>
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<tr>
<td>German</td>
<td>Statistics</td>
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<tr>
<td>Greek</td>
<td>Theatre</td>
</tr>
<tr>
<td>Hebrew</td>
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</tbody>
</table>

Interdepartmental Majors

BA Degree The following programs leading to the BA degree involve courses in more than one department. For details and names of advisers, see the listing in the departmental section of this catalog. In addition to the interdepartmental fields of study, the college also offers individual interdisciplinary courses in the humanities, social sciences, sciences and mathematics and health sciences.
<table>
<thead>
<tr>
<th>Archaeology</th>
<th>Latin American and Caribbean Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparative Literature</td>
<td>Religion</td>
</tr>
<tr>
<td>English Language Arts</td>
<td>Urban Studies</td>
</tr>
<tr>
<td>Jewish Social Studies</td>
<td>Women and Gender Studies</td>
</tr>
</tbody>
</table>

**Fields of Specialization or Professional Studies**

**BS, BFA and BMus Degrees** These programs, each requiring approximately 60 credits in the area of specialization, lead to the BS, BFA or BMus degree. No minor is required for these programs. The following programs are available. For details and names of advisers, see the listing in the departmental section of this catalog.

<table>
<thead>
<tr>
<th>Accounting BS (Economics Department)</th>
<th>Studio Art BFA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community Health Education BS</td>
<td>Music BMus</td>
</tr>
<tr>
<td>Medical Laboratory Sciences BS</td>
<td>Nursing BS</td>
</tr>
</tbody>
</table>

| Nutrition and Food Science BS        |                                       |

**Accelerated Bachelor’s/Master’s Degrees**

These programs enable highly qualified students to earn the bachelor’s and master’s degrees in a shorter period of time than is required for taking the degrees separately. The following programs are available.

<table>
<thead>
<tr>
<th>Anthropology (BA/MA)</th>
<th>Mathematics Teaching 7-12 (BA/MA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Sciences/Environmental and Medical Laboratory Sciences/Biological Sciences with Specialization in Medical Laboratory Sciences/Biological Sciences with specialization in Biotechnology (BS/MA) Biotechnology (BA/MA)</td>
<td></td>
</tr>
<tr>
<td>Occupational Health Science (BA/MS)</td>
<td>Sociology/Social Research (BA/MA)</td>
</tr>
<tr>
<td>Economics (BA/MA)</td>
<td>Physics (BA/MA)</td>
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<tr>
<td>English (BA/MA)</td>
<td>Statistics/Statistics and Applied</td>
</tr>
<tr>
<td>Mathematics (BA/MA)</td>
<td>Mathematics (BA/MA)</td>
</tr>
<tr>
<td>Mathematics/Statistics and Applied</td>
<td></td>
</tr>
</tbody>
</table>
Departmental Advising

Each department has advisers to help students with such matters as course content, when a course is expected to be given, how a course is conducted (lecture, discussion) and the textbook(s) to be used. Students may want to discuss majoring in a subject before they make their official decision or to inquire about graduate schools. Majors should see the department advisers frequently to discuss their interests.

Elective (or Optional) Credits

These are credits needed to complete the degree beyond those taken to fulfill the General Education Requirement and the major and minor. Students may choose as electives any courses for which they have the necessary prerequisites. They may take more courses in their major or minor, study another foreign language they will need for graduate work or explore new horizons. The choice is the student’s. No course may be repeated unless it is so stated in the course description in the catalog.

Undergraduates Taking Graduate Courses

Upon the recommendation of the student’s undergraduate major or program adviser and with the approval of the adviser of the graduate program offering the course, highly qualified undergraduate degree students may take graduate courses for credit toward the bachelor’s degree. Both the undergraduate and graduate degree adviser must sign the approval form, which may be obtained by the student at the OASIS. If it is determined that the courses were not used for the bachelor’s degree and the graduate transfer is acceptable, then the student will be charged the difference between the undergraduate and graduate tuition rates at the time the student took the course. No course may be applied to both the undergraduate degree and the graduate degree.

Special Academic Programs

Hunter College offers many special programs to enhance the academic experience for students. These programs help first-year students make a successful transition to college, enrich the coursework of high-achieving students and prepare upper-division students for admission to professional schools and careers in specialized fields. Some programs also provide the opportunity at other educational institutions in the U.S. and abroad.

Honors Programs

Hunter College provides a range of honors programs for students with strong academic records and the desire for stimulating courses and a host of special opportunities.

Macaulay Honors College at Hunter College

Graduating high school seniors and others who have not yet attended college may apply to the Macaulay Honors College at Hunter College. Students accepted to this highly competitive program take a series of small, interdisciplinary seminars, work closely with Macaulay Honors College advisers, and receive free tuition, a laptop computer, funds to study abroad or pursue unpaid internships, and a Cultural Passport providing entry to museums and cultural events in New York. For further information, call the Macaulay Honors College office at (212) 650-3556 or "See the website: [http://www.hunter.cuny.edu/honorscollege](http://www.hunter.cuny.edu/honorscollege)."
**Thomas Hunter Honors Program** (Special Honors Curriculum) This program provides superior students who are pursuing a Hunter BA degree with a course of study suited to their individual needs and interests. Open to students who have demonstrated academic excellence and an interest in interdisciplinary studies and who desire to be intellectually challenged, it permits them to replace some of the College’s GER requirements with a special curriculum under the supervision of the Council on Honors. The Program also offers its participants the chance to study with faculty members committed to working with outstanding undergraduates who wish to pursue interdisciplinary studies. For details, see the Thomas Hunter Honors Program description in the Arts and Sciences section of the catalog.

**Specialized Honors Programs in the Upper Division Minority Access to Research Careers (MARC) Program**
The Hunter College MARC Program is a scholarship program funded through the National Institute of General Medical Sciences to increase participation of minorities underrepresented in the sciences. The program focuses on preparing undergraduates for entry and success in Ph.D. programs and subsequent research careers. The program sponsors research internships in one of Hunter’s research laboratories and opportunities for students to travel and present at national scientific meetings. The program provides a monthly stipend of approximately $1,000 and pays full tuition and health insurance premium costs. African-American, Hispanic, Native American (American Indian, Eskimo) and Pacific Islanders are particularly encouraged to apply. Members of other ethnic groups underrepresented in the sciences are also encouraged to apply. Other requirements include citizenship or permanent residency, 60 or more completed credits, grade point average of 3.0 or higher, a declared major in the sciences, computer science or math, an expressed interest in a biomedical research career and a commitment of at least one year.

**RISE Program** – The Minority Biomedical Research Support Program (MBRS) from the National Institutes of Health’s Division of General Medicine provides an opportunity for qualified minority students at Hunter College, from sophomore through PhD students, to gain experience in a research laboratory and receive mentoring. Salary for part-time research ranges as follows: doctoral students receive $24,000 per year, masters’ candidates receive $15,000 and undergraduates receive $10,800 per year. Graduate students receive a full tuition scholarship and undergraduates receive a full tuition waiver. The goal of the RISE Program is to increase the number of underrepresented minority students who obtain PhD s in the Biomedical sciences. Hunter College faculty members from the departments of biological sciences, chemistry, physics and psychology serve as mentors, and the program provides professional development expertise, research money, and enables students to attend a national scientific meeting for students (undergraduate) or a national research meeting (graduate students). Applications for RISE are available in Room 314 Hunter North or contact the MBRS Office at (212) 772-5431.

**Hunter/HHMI (Howard Hughes Medical Institute)** offers six economically disadvantaged undergraduate biology majors the opportunity to work in a faculty members research lab at Hunter College as Hunter/HHMI Undergraduate Scholars. The Scholars program is a two year commitment for undergraduates in excellent academic standing. Scholars work a minimum of twenty hours/week in the lab and receive a monthly stipend.

Hunter/HHMI offers two summer research internships for undergraduate biology majors. Four biology majors are selected during their sophomore year to spend ten weeks at the Marine Biological Laboratory in Woods Hole, MA. One biology major is selected during her/his junior year to spend ten weeks at the Cold Spring Harbor Laboratory on Long Island.

For more information please contact Dan Kleinman at kleinman@genectr.hunter.cuny.edu and/or visit http://www.hunterhhmi.com

**Ronald E. McNair Postbaccalaureate Achievement Program**
The Ronald E. McNair Postbaccalaureate Achievement Program (McNair Scholars Program), funded by the U.S. Department of Education, provides eligible Hunter College students with various opportunities designed to prepare selected participants for graduate study leading to doctoral degrees. The program is open to lower juniors with a cumulative Hunter College grade point average (GPA) of 3.00 or higher. Those students selected for the program will have approximately two years remaining until graduation. Students engage in research, seminars, and other scholarly and educational activities. Services to students include graduate application assistance, faculty mentoring, academic counseling, college visits, and exposure to cultural events. Eligible students, as defined by federal regulations, must be either be a) low income and first-generation college attendees or b) from underrepresented groups (Black [non-
Mellon-Mays Undergraduate Fellowship Program (MMUF) The Andrew W. Mellon Foundation established the MMUF Program with the original purpose of rectifying the under representation of Black, Latino and Native American faculty within America’s colleges and universities. The program has since evolved to include students of other ancestries who demonstrate a strong commitment to racial equality.

In cooperation with faculty members, MMUF at Hunter identifies and selects academically talented students from these backgrounds. During their undergraduate careers, MMUF Fellows are provided with a distinct and carefully guided college experience, both inside and outside the classroom. This includes: one-on-one mentoring with a Hunter faculty member; collaborating with a mentor on research projects, teaching and curriculum development; attending professional conferences; and opportunities to study or conduct research at other universities in the United States and abroad.

Students must be nominated by a Hunter faculty member and have the following qualifications: upper sophomore to lower senior status; a cumulative GPA of 3.0 or better; a strong interest in pursuing a doctoral degree within specified fields of study; and a demonstrated commitment to increasing minority faculty representation in higher education. Once selected as a nominee, students will have to meet additional entrance requirements. Students who enter the program must maintain matriculated status and an overall GPA of 3.5 or better. Fellows receive an annual stipend, a tuition waiver and are eligible for loan repayments. For further information, contact the MMUF office, Room 1512 Hunter North, (212) 650-3142.

The Block Program First-year students entering in the fall semester have the opportunity to begin their college careers by enrolling in a specially designed block of courses. Freshman Blocks are clusters of introductory-level courses designed to help students explore possible areas of interest within a community of 22 students. Each block section or course cluster has a general theme, and each course within the block section satisfies one or more college requirements. Since each course cluster provides a solid foundation for any major at the college, participation in any of the blocks does not limit a student’s future area of study. For more information on the Block Program, visit http://www.hunter.cuny.edu/studentservices/fao/blockprogram

Pre-Health Professions Students preparing for a career in medicine or other health professions (osteopathy, dentistry, optometry, podiatry, pharmacy, physical therapy, physician assistant programs and veterinary medicine) may major or minor in any area (Biology, English, Urban Affairs, etc) and should consult the premedical advisor about their curriculum as soon as possible. It is important that students maintain a close relationship with the premedical advising office from the time they become interested in such a career. Admission to professional schools is highly competitive so exceptional academic preparation is key, as is strong experience in leadership, research and community service. There are several premedical clubs on campus and students are encouraged to join one as soon as they enter Hunter.

In addition to our undergraduate program, the college offers a Certificate in Health Careers Preparation for students who already have a bachelor’s degree (in any field) and wish to prepare for admission to a health professions school on a full-time or part-time basis. Post-Baccalaureate students who have little or no science background are welcome as well as those who need to enhance their credentials.

The Pre-Health Professions Advising offices are located on the 8th floor of the East building and advisors can best be reached by e-mailing Kelly Gentry at kgentry@hunter.cuny.edu or Dr. Karen Phillips at kphil@hunter.cuny.edu. All Students are encouraged to review the invaluable information on the pre-health website at www.hunter.cuny.edu/pre-health and to join the pre-health listserv. Come in during Walk-in advising hours (see the pre-health website for hours) to meet with an adviser.

Prelaw There are no specific courses or a specific major required for entry to law school. Students applying to law school come from a variety of majors including those in the humanities, sciences, and social sciences. Legal educators agree that a broad and rigorous liberal arts education is the best preparation for admission to and success in law school.
Students planning to attend law school should take courses that develop writing skills and the ability to think critically and creatively; they should discuss with the Pre-Law Advisor and with academic advisers which courses will best advance their educational and career goals. There are some areas of legal practice for which a specific undergraduate major or coursework in a particular area is required or helpful. In order to be admitted to the Patent Bar, for example, an undergraduate degree or other training in science, computer science or engineering is required. More information regarding course selection is available at Hunter’s Pre-Law Website: http://www.hunter.cuny.edu/prelaw/preparing-for-law-school/course-selection. Students interested in law are encouraged to meet with the Pre-Law Advisor as early as possible to learn about opportunities to explore legal careers and to discuss preparation for applying to law school. To schedule an appointment with the Pre-Law Advisory Office, please phone (212) 772-4882. For quick questions, contact Hunter’s Pre-Law Advisor, Elise Jaffe, at prelaw@hunter.cuny.edu. To keep up with Pre-Law events and opportunities on campus, students are also encouraged to subscribe to the Pre-Law Listserv by following the instructions that appear on the homepage of the Pre-Law Website.

Pre-engineering The pre-engineering program is organized for students who plan to transfer to an engineering school of another college after two years at Hunter. The courses for pre-engineering outlined in the Physics Department section of this catalog satisfy requirements for the first two years of the City College engineering degree. Students planning to go to an engineering school should contact the Physics Department to work out a program suitable to their needs.

Preparation for Social Work A major in one of the social or behavioral sciences is preferred for students planning to enter the field of social work. Specific entrance requirements vary for the different graduate schools of social work. Most schools recommend a minimum of 24 credits in the social sciences. A major in sociology or psychology is desirable for those interested in casework or group work; a major in sociology, political science, economics or urban affairs is desirable for those interested in community organization. In addition, field placement courses that provide internships in social work agencies are highly recommended. Students planning to go to a graduate school of social work are encouraged to speak with an adviser in the Office of Student Services.

Teacher Education The Hunter College School of Education (HCSOE) offers 55 teacher and allied professional certifications at undergraduate and graduate levels. At the undergraduate level, students are prepared for careers in elementary and secondary education. Most teacher preparation programs have received national recognition. All teacher education programs meet certification and licensing requirements for New York City. For details, see the School of Education section of this catalog.

Public Service Scholars The Public Service Scholar Program seeks to improve our cities and the lives of people by preparing talented students particularly women, minorities and immigrants for public service careers through internships with elected officials, government, and nonprofit organizations. The program runs for a full academic year and combines internship placements in the offices of senior officials and administrators with intensive seminars on public policy issues, social change, government and nonprofit organizations. The program is open to any Hunter College student, regardless of major, who has a minimum 3.0 GPA and who is within 45 credits of graduation at the beginning of the program in the fall semester. Admission of up to 24 students is competitive. Applications are accepted starting in November with a deadline of March 7th. Students accepted as Public Service Scholars receive 12 academic credits and a generous stipend. Because women, minorities and immigrants have been traditionally underrepresented in public policy making and leadership positions, special efforts are taken to encourage them to apply for the program. Interested students should contact the Public Service Scholar Program, Room 1643 Hunter West, (212) 772-5599 or email ewalsh@hunter.cuny.edu.

Seminar/Internship Program in New York City Government/Politics This university-wide program bridges the gap between academic study and the practical world of New York politics. Students are advised to have taken prior coursework in American politics and to have at least a 3.0 GPA prior to being admitted to the program. For details, see the description in the Political Science section of the catalog.

Opportunities for Air Force ROTC Instruction Air Force ROTC (AFROTC) is a college class that teaches students about the Air Force and its way of life. AFROTC for Hunter College students, AFROTC Detachment 560, is located on Manhattan College’s campus in the Riverdale section of the Bronx. Any freshman and sophomore student may enroll into AFROTC. However only qualified students will be provided with uniforms and be eligible for scholarships and/or
a subsistence allowance. Hunter College will grant elective credit, when applicable, toward graduation for the successful completion of courses offered by the Department of Aerospace Studies at Manhattan College. For further information, please call AFROTC Det 560 at (718) 862-7201 or email afrotc@manhattan.edu.

**Education Abroad Programs**

Opportunities exist for study abroad in summer, winter intersession and during the academic year. There are a variety of countries, subject matters and languages to choose from. Current summer offerings include programs in: Germany, Ireland, Italy, Peru and Spain. Winter intersession typically offers programs in Argentina, Brazil, Italy and Hawaii. During the academic semester or year, Hunter students can participate in exchanges with Queen Mary College of the University of London as well as with the three main campuses (Melbourne, Geelong and Warnabul) of Deakin University in Australia. Additional information about Hunter programs is available on the Education Abroad website http://www.hunter.cuny.edu/educationabroad.

Besides the programs organized by Hunter College, students can participate in the study abroad programs of other CUNY colleges, as well as CUNY-wide exchanges. More information about these programs can be found at www.cuny.edu/studyabroad.

Hunter students also have the option of participating in programs offered by SUNY colleges. More information is available at www.studyabroad.com/suny.

Finally, Hunter College belongs to the University Studies Abroad Consortium (USAC) and all USAC programs are open to Hunter students. For more information go to http://usac.unr.edu/.

**Continuing Education**

Continuing Education at Hunter College offers non-credit courses for adults in a variety of disciplines. Classes in academic skill development, test preparation (for GED, GRE, GMAT, LSAT), personal finance, nursing, foreign languages, creative writing, social dance, fitness, computers, business and professional development. A variety of Professional Certificate Programs—such as Interpretation/Translation, Legal Studies, Medical Coding and Billing, and Graphic Design—are also offered. Whether students are new to the workforce, looking for a career change or simply looking to learn a new skill, our continuing education programs are designed to enhance professional development and personal enrichment. For more information about the classes offered, call (212) 650-3850 or visit the Continuing Education Web site at http://www.hunter.cuny.edu/continuinged.

The International English Language Institute (IELI) is a noncredit, continuing-education program offering courses in English as a second language to students from all over the world. Students at the IELI actively learn and use new skills to develop their fluency, accuracy and confidence in the English language. Classes for beginner through advanced levels are taught in the morning, afternoon, evening and on weekends. Students may register for full- or part-time programs. Preparation classes for the CUNY Assessment Tests and TOEFL are available to advanced-level students. Students who present proof of successfully completing the most advanced levels of the IELI program are not required to submit TOEFL scores as a part of their admission process to Hunter and other CUNY colleges. For more information call (212) 772-4292 or visit the Continuing Education Web site at http://www.hunter.cuny.edu/ieli.

The English Language Training Institute at Hunter college (ELT Institute) offers a wide variety of courses and services designed to train teachers of English as a second language. Through the use of multimedia, the internet, Hunter's computer labs and library, and New York City's cultural resources, instructors are trained to prepare students for their future academic, social and professional lives. For more information about the classes offered, call (212) 650-3850 or visit the continuing Education Web site at http://www.hunter.cuny.edu/eltinstitute.

The Writing Center through Continuing Education at Hunter College offers an exciting cultural showcase of writing workshops, special topic courses, and literary events since joining the CUNY Hunter community in September.
2010. With specified classes for each literary genre, students at The Writing Center are educated on the literary field of their choice by successfully published authors from that same genre. In addition to helping students gain knowledge in classes, The Writing Center pushes to educate students outside of the typical classroom environment by offering free literary events throughout the semester where students have the unique opportunity to listen to their favorite authors speak and partake in a question and answer session with the audience.

For more information about the classes offered, call (212) 772-4294 or visit the Writing Center Web site at http://www.hunter.cuny.edu/ce/the-writing-center

**Parliamo Italiano:** Hunter College has developed a relationship with Parliamo Italiano, an Italian language school. For more than 30 years, Parliamo Italiano has offered Italian Language courses using a proven method developed by the founding director, Francis Lally. Parliamo Italiano offers courses for all levels—days, evenings, and Saturdays. For more information about the classes offered, call (212) 774-4793 or visit the web site at http://www.parliamo.com

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**Policy for Online Courses**

Courses taken Online shall be treated the same as other courses, as follows: online courses originating at Hunter College shall require no special permission; online courses originating from another branch of CUNY shall be treated as permit courses; and online courses originating from all other institutions shall be treated as transfer courses. In the case of permit and transfer courses, students are responsible for obtaining any required permission from Hunter College in advance of taking the courses, to ensure the transferability of course credit.

**Distance and Hybrid Learning Courses**

For the educational enrichment and conveniences of its students, Hunter offers several distance learning courses, some via videoconferencing and others using Internet resources. Videoconferencing enables students in one location to participate fully in a class that takes place at another site, expanding the possibilities for class offerings. Internet courses offer students the flexibility of 24-hour access to course materials, as well as increased opportunities to interact with other students and the professor. Such courses are either totally on the Internet or a hybrid of internet and in-class activity. Special facilities equipped for distance learning are located at the main campus and at the new Silberman Building.

**Academic Honors**

**Dean’s List** At the end of each fall and spring semester the Dean of Students recognizes matriculated students with excellent academic records. The criteria for inclusion on the Dean’s List are: a grade point average of 3.5 or higher with traditional letter grades (A, B or C) in courses other than ESL basic skills courses in reading and writing. If ESL basic skills courses are taken, those grades will be excluded. No grades of D, F, NC, IN or WU are allowed in any course completed or attempted. Full-time students must complete 12 credits or more in one semester; part-time students must complete 6-11½ credits in two consecutive semesters.

**Graduation with General College Honors** A student who has completed 60 credits of traditional letter grades at Hunter College may be considered for graduation honors. Students with a cumulative GPA of 3.900 or higher will be graduated Summa Cum Laude. Students with a GPA from 3.750 to 3.899 will be graduated Magna Cum Laude. Students with a GPA from 3.500 to 3.749 will be graduated Cum Laude.

**Graduation with Departmental Honors** On recommendation of any department or interdepartmental field, students with at least 24 credits in the department or field may be graduated “With Honors” in that department or field, provided they graduate in the term for which they file for honors. Of these credits, 21 (or, in exceptional cases, 18) must be taken at Hunter. Students who participate in the Study Abroad Program or the Exchange Program within the United States
may be considered for departmental honors even if they have earned fewer than 18 credits at Hunter in courses approved for the major. Students are eligible for departmental honors if their GPA in the major or field is not less than 3.5. The student must also elect at least 2 credits (but no more than 6 credits) in honors courses offered in that department and present to the department’s Committee on Honors a piece of independent work. Honors courses include seminar, laboratory, reading and tutorial courses and independent study projects established for the instruction of honors students.

Honor Societies

Two kinds of honor societies are recognized at Hunter College: academic and professional. In general the requirements for nomination are: for academic societies, a cumulative GPA of 3.0 and a departmental GPA prescribed by the department concerned, although in no case less than 3.0; for professional societies, a cumulative GPA of 2.8 and a departmental GPA and professional qualifications that meet departmental requirements. All honor societies except Phi Beta Kappa and Sigma Xi are subject to the rules and regulations established by a committee of the Hunter College Senate. Students may qualify for the following honor societies:

- Alpha Kappa Delta - Sociology
- Dobro Slovo - Slavic Language and Literature
- Eta Beta Rho - Hebrew
- Gamma Kappa Alpha - Italian
- Gamma Theta Upsilon - Geography
- Kappa Delta Pi - Education
- Kappa Pi - Art
- Kappa Omicron Nu - Food Science
- and Human Nutrition
- Omicron Delta Epsilon - Economics
- Phi Alpha Theta - History
- Pi Mu Epsilon - Mathematics
- Pi Sigma Alpha - Political Science
- Psi Chi - Psychology
- Sigma Delta Pi - Spanish
- Sigma Epsilon Phi - German
- Sigma Pi Sigma - Physics
- Sigma Theta Tau - Nursing

**Phi Beta Kappa** is the oldest undergraduate honors organization in the United States. Students do not apply for membership; they are elected on the basis of academic excellence. Eligibility is calculated on the basis of liberal arts courses under Phi Beta Kappa rules, which differ from those used in awarding other honors at Hunter College.

**Sigma Xi** The Scientific Research Society honors those who have made noteworthy contributions in research. Its purpose is “to encourage original investigation in science, to foster companionship and cooperation among scientists, and to maintain honor, integrity and honesty in all scientific activities.” It has nearly 65,000 active members, scientists and engineers, whose goal is to improve the human condition. The Hunter College Chapter was installed in 1969.

Academic Policies and Regulations

Students are expected to be familiar with the various requirements and procedures as given in this catalog and to follow them.

The Hunter College Senate, with authority granted to it by the CUNY Board of Trustees, determines all academic rules and regulations and approves all curricula. The Senate publishes the Senate News Bulletin to announce changes in rules
and regulations. Students should also consult the Office of the Registrar’s Web site for any changes in regulations at http://registrar.hunter.cuny.edu. Students who believe that their individual circumstances warrant a variance from the rules and regulations listed in this catalog must proceed to obtain permission from the appropriate college authority. Only through the procedures listed below are such variations permitted.

Students should obtain written documentation for any such variations. Students should be wary of informal advice or undocumented claims that they can be exempt from any college rules.

1. Inquiries concerning college regulations in general should be directed to the Office of Student Services. Appeals for administrative exceptions to academic rules and regulations (for example, exceptions to approved academic program loads) are heard in the Office of Student Services.

2. Inquiries concerning the major should be directed to the departmental adviser in the major department or program and inquiries concerning a minor should be directed to the adviser in the minor department or program.

3. Inquiries concerning the GER Core Requirement and the Foreign Language Requirement should be addressed to the appropriate departmental adviser or an adviser in the Office of Student Services. (Note: Students who matriculated prior to fall 2001 and follow the regulations for the Distribution Requirement should also see a departmental adviser or an adviser in the Office of Student Services.)

4. Authorization for substitutions for specific Pluralism & Diversity course requirements must be made by the Senate’s GER Appeals Committee. Students should consult the procedure for appeals outlined below and go to the Office of the Hunter College Senate, Room 1018E, to obtain the proper forms for filing an appeal.

5. The procedure for Grade Appeals appears below. Every student is obliged to determine that all requirements for the degree have been met before the date of graduation. No changes may be made to the student record transcript after the graduation date. Any “STOPS” not cleared by the graduation date will result in the withholding of diploma and transcripts. Incomplete (IN) grades received in the final semester must be completed by the graduation date. If not, an application to graduate for the following semester must be filed with the Graduation Audit Unit of the Registrar’s Office.

Students who are uncertain about the interpretation of any matter may learn under whose authority the matter rests by inquiring in the Office of Student Services. This catalog covers the general academic requirements consonant with earning a degree at Hunter College when this catalog went to press in 2007. Students are responsible for knowing all current regulations.

**Grading System**

Students are to be graded in courses according to the traditional system of letter grades (A, B, C, D and F).

**Retention Standards** The Board of Trustees has mandated uniform student retention standards for all the colleges that are part of the City University system. Under these standards, decisions about whether or not students may continue in a CUNY college are made on the basis of the grade point average (GPA). In order to make these decisions, course grades are assigned quality points (which count toward the GPA), as shown in the following table:

<table>
<thead>
<tr>
<th>Quality Points</th>
<th>Grade Definition</th>
<th>(GPA Index)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>97.5 - 100%</td>
<td>4.0</td>
</tr>
<tr>
<td>A</td>
<td>92.5 - 97.4%</td>
<td>4.0</td>
</tr>
<tr>
<td>A-</td>
<td>90.0 - 92.4%</td>
<td>3.7</td>
</tr>
<tr>
<td>Grade</td>
<td>Percentage Range</td>
<td>GPA</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------</td>
<td>-----</td>
</tr>
<tr>
<td>B+</td>
<td>87.5 - 89.9%</td>
<td>3.3</td>
</tr>
<tr>
<td>B</td>
<td>82.5 - 87.4%</td>
<td>3.0</td>
</tr>
<tr>
<td>B-</td>
<td>80.0 - 82.4%</td>
<td>2.7</td>
</tr>
<tr>
<td>C+</td>
<td>77.5 - 79.9%</td>
<td>2.3</td>
</tr>
<tr>
<td>C</td>
<td>70.0 - 77.4%</td>
<td>2.0</td>
</tr>
<tr>
<td>D</td>
<td>60.0 - 69.9%</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>0.0 - 59.9%</td>
<td>0.0</td>
</tr>
</tbody>
</table>

**CR**
Credit earned (equivalent to A, B, C)

**NC**
No credit granted

**W**
Official withdrawal (cannot be assigned by instructor)

**WU**
Unofficial withdrawal

**INC**
Term’s work incomplete. This may include absence from final examination.

**FIN**
F from incomplete; an administrative grade used when INC reverts to F; this occurs if grade is not made up by the end of the following semester.

**#F, #FIN, #WU**
failing grade course repeated

**WN**
(equivalent to F) for fall 2008, spring 2009 and summer 2009 ONLY

***WN**
Unofficial withdrawal (Student never attended) - Not counted towards GPA

**Y**
Year’s course of study - must complete entire year of study

**AUD**
Auditor - No Credit

**Z**
No grade submitted by instructor (an administrative grade which cannot be assigned by the instructor)

**&**
(preceding a letter grade): authorized course was repeated

*****
(preceding a letter grade): unauthorized course was repeated
Credit/No Credit A system based on the non-letter grades of Credit/No Credit, where Credit is the equivalent of A, B or C and No Credit is the equivalent of D or F. Credit/No Credit grades are not averaged into the GPA; course requirements are the same as in the traditional grading system.

ALERT/NOTE: OTHER COLLEGES, GRADUATE SCHOOLS, PROFESSIONAL SCHOOLS, SERVICES AND EMPLOYERS MAY LOOK WITH DISFAVOR UPON THE USE OF THE CREDIT/NO CREDIT GRADING OPTION AND MAY EVEN CONVERT CREDIT TO C AND NO CREDIT TO F FOR THEIR PURPOSES.

ALERT/NOTE: ELIGIBILITY FOR SOME FINANCIAL AID GRANTS MAY BE AFFECTED BY THE CHOICE OF CREDIT/NO CREDIT GRADES. THIS MUST BE CHECKED BY STUDENTS BEFORE THE OPTION OF CREDIT/NO CREDIT GRADES IS TAKEN.

There are certain restrictions about how and when the student may choose the Credit/No Credit system:

a. A maximum of four courses (including repeated courses) at Hunter College may be taken on a Credit/No Credit basis excluding remedial/developmental courses and any courses with mandatory CR/NC grading.

b. Credit/No Credit grades are not allowed for students on probation.

c. When a student chooses the Credit/No Credit option and earns a D as the final grade, the student may choose to receive either the D or a grade of No Credit.

d. If (as a result of a student’s request) a Credit/No Credit is given where it is not an allowed grade according to existing regulations, it will be converted to a letter grade by the Registrar’s Office. Credit grades will be changed to C; No Credit grades will be changed to F.

e. With approval of the Senate, departments may prohibit the use of Credit/No Credit grades in major courses, especially in those areas in which outside certification is required. Credit/No Credit grades are not permitted in education, nursing, pre-engineering, premedical, health sciences, nutrition and food science and prelaw. All students should check with their departmental advisers for specific policies.

The Credit/No Credit system may be elected by students up until the beginning of the final exam (or the due date for handing in the last term paper, if there is no final exam). Credit/No Credit forms are available on the Office of the Registrar web page at http://registrar.hunter.cuny.edu. Full instructions are included on the form. Credit/No Credit is an agreement between a student and the student's instructor or professor. When departmental policies allow, request forms must be accepted by the instructor. Students requesting grading according to this system must satisfy whatever attendance requirement has been set by the instructor, complete all the assignments and take the final examination. It should be noted that the grade of No Credit shall be used only to replace the academic grades of D and F. It shall not be used to replace the grades of WU or IN. A No Credit grade may not override the FIN grade.

Courses at Other Accredited Institutions (Permit)

Currently enrolled degree students may take courses at other accredited institutions (CUNY or other) provided the appropriate procedures are followed. A department may refuse to authorize a permit if, in its judgment, it is inappropriate to do so.

Students wishing to apply for courses at another CUNY campus may apply to do so by registering for an E-permit through the CUNY portal available at www.cuny.edu. At the CUNY portal home page, you must log in to begin the process. Students wishing to register for courses at non-CUNY institutions must complete a permit form to attend another college. The form is available in the OASIS.

In all cases, permits are authorized by the appropriate department and administered by the Office of the Registrar.
It is the responsibility of students who study at other institutions to have official transcripts of their work sent to the Office of the Registrar. Effective fall 2004, grades for courses taken on permit at CUNY schools are posted to the student’s record and are computed in the GPA.

*Note: Hunter students may not take courses on permit during their final semester prior to graduation.*

**Graduation-in-Absentia**

Undergraduate students who need 15 credits or fewer to fulfill their degree requirements and who have completed the General Education Requirement (including pluralism and diversity, writing and foreign language requirements) and the major requirements and have fulfilled all college requirements for graduation, may apply for graduation-in-absentia if they must leave the city before completing their studies. They may attend an accredited college in the United States or abroad. The degree audit division of the Registrar’s office has further information. Students who must leave before these criteria are met should apply for transfer to another college. Students should contact Advising Services, Room 1119 East http://www.hunter.cuny.edu/studentservices/advising for more information.

**Retention on the Basis of Grade Point Average**

General scholarship is indicated by a college GPA (also referred to as the “cumulative index” or “index”). Each student is expected to know how to figure the GPA and is expected to compute it each semester. Students admitted with advanced standing or transfer credits cannot use previous grades earned at other colleges in the computation of the GPA, but the number of their transfer credits will be added to the total Hunter College credits to determine retention. This means that students must have achieved a given GPA by the time they have completed a certain number of credits or they will be placed on probation and if insufficient improvement is made within a specified period, they will be subject to dismissal for poor scholarship. The standards guiding these decisions are as follows:

**Retention and Probation-Undergraduate** The grade point average earned over the total period of a student’s attendance indicates the adequacy of each student’s scholarship. Below you will find minimum standards for retention and probation. Students who fail to achieve the required academic standards will be placed on academic probation. During this probationary period students who make satisfactory academic progress will continue to maintain their academic standing with the college and their concurrent eligibility for financial aid. Students who fail to achieve the required academic standards while on probation will be dismissed from Hunter College and the university system. Reminder: Academic requirements are the student’s responsibility. A student is automatically on probation when he/she fails to achieve the required standards, whether he/she has received notification of such probation from the college or not. Therefore, always be aware of your cumulative GPA. Students on academic probation should visit the Center for Student Achievement, Room C001 Hunter North.

The following table shows the minimum grade point average which each undergraduate student must meet:

<table>
<thead>
<tr>
<th>Total Credits Computed for the GPA</th>
<th>Cumulative GPA (Index)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A+ through F, WU, and FIN)</td>
<td></td>
</tr>
<tr>
<td>0-12</td>
<td>1.5</td>
</tr>
<tr>
<td>13-24</td>
<td>1.75</td>
</tr>
<tr>
<td>25+</td>
<td>2.0</td>
</tr>
</tbody>
</table>

The academic probation status remains on students’ record for the entire semester on which the code was placed. Change of grades will only affect students’ probation status at the end of the semester in which the change of grade is
posted. For example if a change of grade is submitted mid-semester resulting in the student’s GPA being raised to the required GPA the probation code will not be removed. Conversely, if the change of grade results the student’s grade point average dropping below the required GPA the student will not be place on probation mid-semester. The probation code is removed at the end of the semester if the student’s GPA reaches the required GPA.

Summer sessions are considered part of the following fall semester, therefore, grades earned during the Summer sessions will impact students’ probation status at the end of the following fall semester.

Hunter’s normal probation appeals procedure will continue to consider individual cases and to make such exception to these policies as circumstances may warrant.

Students dropped from the college may not be readmitted until they have been separated from the university for at least one semester or equivalent calendar time. Students must obtain an application for readmission at the Office of Undergraduate Admissions, Room 203 Hunter North. Students who are separated from the college may not enroll for credit-bearing courses in any unit of the university in any status.

**Dismissal from the College and the City University**

Students who fail to achieve the required academic standards will be placed on academic probation. Students who fail to achieve the required academic standards while on probation will be dismissed from Hunter College and the CUNY system.

Students may appeal an academic dismissal and should discuss the preparation of such an appeal with an academic adviser in the Office of Student Services, Room 1119 Hunter East. The Senate Committee on Student Standing reviews all appeals and makes the final determinations.

Tuition and fees will be refunded to a student who is dismissed for failure to meet the required academic standards after having registered.

Students who withdraw from the college when their GPA is below the required academic standards will be automatically dismissed from the university. Students who have been dismissed or who have withdrawn when their GPA is below required academic standards may not be readmitted until they have been separated from the university system for at least one fall or spring semester. Students who wish to apply for readmission after separation of one or more semesters must file an application at the Office of Admissions, Room 203 Hunter North. Applications must be filed at least three months prior to the beginning of the semester in which the student plans to re-enter.

Until such time as they are eligible to apply for readmission, students who are separated from the university may not enroll for credit-bearing courses in any unit of the university in any status.

**Incomplete Work in Course** When a student for valid reason does not complete the work assigned in a course (including the final exam, papers, etc.) and in the view of the instructor still has a reasonable chance to pass the course, the student shall be given the grade INC (incomplete). The student must explain the reason to the instructor or, in the absence of the instructor, to the department chair and arrange a schedule for making up the missing coursework. These steps must be taken as soon as possible and no later than the end of the second week of the following semester. The student shall then be given the opportunity to complete the course without penalty beyond previously established penalties for lateness.

The length of time permitted for completing missing coursework remains at the discretion of the instructor and shall be indicated in writing to the student, but shall not extend beyond the end of the semester following the one in which the course was taken. Unless the student submits the work by the date specified by the instructor, the grade will automatically become FIN on the student’s permanent record. (Under certain circumstances, where the student must repeat class sessions or laboratories in a course not given during the following semester, the FIN grade may later be converted to the appropriate letter grade.)
Instructors and departments may choose to have make-up final examinations administered by the college. Such examinations will be given before Monday of the seventh week of the following semester. It is the responsibility of the student who must take an absentee examination to determine from the instructor or department whether it will be administered by the college, to file the appropriate form and to pay any required fee by the deadline specified by the college.

If the faculty member wishes to extend the deadline for the student to complete the coursework beyond one semester, the faculty member and the student must enter into a written contract clearly specifying the deadline. This contract must be written during the semester following the one in which the course was taken. The student must be aware that the INC grade will change to a FIN grade until the work is completed. The written contract must accompany the change of grade form. If a student has not filed a contract with the faculty member but still wishes to complete the work and have a FIN grade changed, the student can appeal to the Senate Grade Appeals Committee. The appeal must include the reason for failing to complete the work and must be accompanied by a supporting letter from the faculty member who issued the INC grade or, if the faculty member is no longer at the college, from the department chair. Appeals with no endorsement will be denied.

**Repeating Courses**

1. Students shall not be permitted to repeat a course in which they have received a grade of A, B, C or CR unless that course has been designated as repeatable in the course description of the college catalog.

2. Students may repeat a course in which a D was received. The credit for that course will be applied toward the degree once, but both the grade of D and the second grade earned are calculated in the grade point average. If the course is part of a sequence, it should be repeated before continuing the sequence.

3. A student who has received a grade of D or NC twice (or any combination of these grades) in the same course may re register for the course only with the permission of the department offering the course. This rule does not apply to ENGL 1200.

4. If a student receives a failing grade (F, WU, FIN) in a course and then retakes that course and receives a grade of A, B, C or CR, the initial failing grade will remain on his/her academic record, but will no longer be computed into the grade point average. A “Failing Grade Course Repeat Form” must be filed in the OASIS, Room 217 Hunter North.

   - The original course in which the failing grade was received must have been taken after September 1, 1984 and repeated after September 1, 1990.
   - No more than 16 credits may be deleted from the calculation of the cumulative grade point average.
   - If two or more failing grades have been received for the same course and a grade of C, CR or better is subsequently earned, all of the failing grades for that course will be deleted from the grade point average, subject to the 16-credit limit.
   - The 16-credit limit applies cumulatively to courses taken at all CUNY colleges.
   - The repeated course must be taken at the same college as the initially failed course.

**School of Nursing**

In order to be allowed to continue in the nursing major, students must receive minimum grades of C in all required nursing courses. One required nursing course (Generic Pathway: NURS 200, 310, 312, 331, 332, 380, 410, 412, 419,
RN Pathway: NURS 379, 380, 381, 384, 480, 482) is repeatable once by students who have received a failing grade. Students who fail a second required nursing course in the sequence may not repeat that course and may not continue in the nursing major. This policy applies even though a grade appeal is in progress.

Note: Other colleges, graduate schools, professional schools, services and employers may calculate a grade point average inclusive of the failing grades. For questions regarding this policy, check with the Office of Student Services.

Other Academic Regulations

Absence of Instructor If a class finds that the instructor is still absent after 10 minutes of the period has elapsed, a representative should be sent to the appropriate department office for instructions. The class should remain until the representative returns.

Academic Calendar and Sessions The fall semester starts approximately August 26, the spring semester starts approximately January 27 and two summer sessions of six weeks begin in June and mid-July. Consult the Schedule of Classes or the Registrar’s Web site at http://registrar.hunter.cuny.edu for specific starting dates.

Courses are offered from early morning to late evening each semester and in the summer. Students are expected to attend both the fall and spring semesters; students who do not must apply for readmission.

Attendance in the summer program is optional. Students who receive financial aid under the New York State Tuition Assistance Program (TAP) should realize that these awards are available for no more than a total of eight semesters (10 for SEEK). TAP assistance for a summer session will count as one-half a semester; the other half may be used only in a subsequent summer session.

Academic Honesty – Plagiarism Any deliberate borrowing of the ideas, terms, statements or knowledge of others without clear and specific acknowledgment of the source is plagiarism. It is, in fact, intellectual theft. Serious students, scholars and teachers agree that they cannot tolerate plagiarism. It is not, of course, plagiarism to borrow the ideas, terms, statements or knowledge of others if the source is clearly and specifically acknowledged. Any conscientious student will, from time to time, consult critical material and may wish to include some of the insights, terms or statements encountered. When this happens, the source must be given full credit. This means listing the source in a footnote and/or appended bibliography and footnoting all quotations or close paraphrasing, including the page number of the passage in the source.

Plagiarism will result in disciplinary proceedings. A more detailed explanation of plagiarism and the accepted procedures for acknowledging sources is available from the department of English or the office of the Hunter College Senate.

Academic Honesty – Purchase of Written Assignments and “Cheating” Sale of term papers, student essays, reports and other written assignments for use in credit courses is a misdemeanor under section 213-b of the Education Law. This law is interpreted to include material advertised to be used for “research purposes.” The use of material (whether or not purchased) prepared by another and submitted by students as their own will result in disciplinary proceedings. Similarly, copying or otherwise obtaining another’s answers to questions on examinations or assignments (commonly called “cheating”) will result in disciplinary proceedings.

Note: See the Appendix F Hunter College Policy on Academic Integrity: Procedures for Academic Dishonesty.

Appeals – Rules and Regulations Appeals for administrative exceptions to academic rules and regulations — including such matters as exceptions to approved program loads, variation of the General Education Requirements: Core Requirement and the Foreign Language Requirement and other academic situations involving classwork — are heard in the Office of Student Services; appeals of the GER: Pluralism and Diversity Requirement are heard by the Senate Offices.
**Appeals – General Education Requirement** Any student wishing to formulate an appeal for substitutions or exemptions from a specific General Education Requirement (i.e., Core Requirement, Foreign Language Requirement or Pluralism and Diversity Requirement) as described below should do so through the General Education Requirement Appeals Committee of the Hunter College Senate, Room 1018E. (Note: Students who matriculated prior to fall 2001 and follow the regulations for the Distribution Requirement may also appeal to this committee.) The student must present clear evidence that:

a. it is impossible for him/her to complete the requirement as specified in the catalog and

b. he/she can offer an adequate substitute that meets the academic objectives of the requirement; such as:

1. The student must demonstrate that a “special topics” course he/she has taken fulfills the academic objectives of the requirement, though it has not yet been approved by the Hunter College Senate as fulfilling the requirement;

   – or –

2. The student must demonstrate that a course transferred from another college or university adequately fulfills the academic objectives of the requirement.

**Appeals – Grades** When a student considers a final course grade unsatisfactory, the student should first confer with the instructor regarding the accuracy of the grade received. This conference should be held within the first three weeks of the semester following receipt of the grade. At this time, errors may be corrected. If the grade is not an error, the student and instructor must together review all class material pertinent to the grade. If the student is not satisfied or if the instructor does not confer with the student within the first three weeks of the semester, the student should promptly contact the department chair by submitting a written appeal, consisting of a statement giving the factual reasons and basis for the complaint. The student has the right to request in writing that the chair appoint a student as a member of the department/school Grade Appeals Committee. This appeal at the department/school level must be submitted within the first five weeks of the semester following receipt of the grade, in accordance with the “College-wide Grade Appeals Procedures” adopted by the Senate in fall 1985. Copies of this procedure may be obtained in the Senate Office, the Office of Student Services or departmental offices.

Students appealing grades to the School of Nursing or the School of Health Sciences should direct their appeal to the director of the school. Students appealing grades to the School of Social Work should direct the appeal to the dean of the school, who shall carry out the responsibilities of the department chair.

**Auditing**

- Currently enrolled degree and non-degree students: Students register for the course online at their CUNY Portal account and then provide a letter on letterhead stationery, signed by the Chairperson of the academic department offering the course and approving the audit. This letter must be delivered to the OASIS before the last day of the first week of classes during posted office hours. This option is only available through the first week of classes for each semester or session. Audit status will not be posted for students after the last day of the first week of classes. Audit grade status cannot be reversed once posted.

- Senior Citizens: Students classified as Senior Citizens by the college may register as auditors only.

- Newly admitted and/or readmitted degree and non-degree students: Consult with the Office of Advising Services, Room 1119 East.

- Auditors pay required tuition and fees. No credit or grade will be given for audited classes.

**Class Attendance** All students must report to classes during the first week of classes. Students will lose their place in some classes if they do not attend the first class meeting. (See, for example, the “Notes” for biology and chemistry in the Schedule of Classes.)
The instructor has the right to set attendance requirements for the course, to keep attendance records, and to consider attendance in the calculation of final grades. Such attendance policies will be listed in the course syllabus. Students may not use absence from class as an excuse for not fulfilling all course requirements.

Students who have earned fewer than 15 credits of college-level work are limited in the number of cuts they may take in a course without risking a lower grade, as follows:

- 1-cr course - 2 hrs of cuts
- 2-cr course - 4 hrs of cuts
- 3-cr course - 6 hrs of cuts
- 4-cr course - 6 hrs of cuts (equal to 1 lab period and 1 lecture)

**College Calendar: Schedule of Final Examinations**

A final examination is required in each course at the college during the examination period scheduled by the registrar, except in those courses in which the department has ruled that no examination shall be given. Since the final examination week is part of the semester hour requirement as mandated by the State Education Department, the period scheduled for final examinations should be used either for the final examination in the course or as an instructional period.

Students in an examination room may not have in their possession or within their reach any books or papers except those permitted by the instructor for use in the examination. Notes normally carried in pockets or handbags should be placed completely out of reach.

Students taking a drawing examination should bring their own implements. Students are not to possess an examination book at any time except during the examination period. Students should carefully fill out all information asked for on the front cover of every examination book used. If scratch paper is needed, students should use the back pages of the examination book; no other paper of any kind is to be used. All matter that is not intended to be read and marked by the examiner should be crossed out (but not torn out) before the examination book is handed in. No pages are to be torn from examination books.

The student is responsible for making sure that the instructor receives the examination book. Students may leave the examination room as soon as they finish. Quiet should be maintained in passing through the halls.

Students obliged to withdraw from an examination because of illness will be counted as absent from the examination and are permitted to take an absentee examination, as explained in the section on Incomplete Work in Course, above.

For information on absence from final examination for other reasons, see section on Incomplete Work in Course, above.

**Suspension of Classes**

Announcements concerning emergency suspension of classes will be made on the following radio stations:

- WFAS 1230 AM and 104 FM
- WINS 1010 AM
- WADO 1280 AM (Spanish-speaking)
- WCBS 880 AM and 101.1 FM
- WBLS 107.5 FM
Additionally, announcements will be posted on the Hunter College Web site at http://www.hunter.cuny.edu.

**Access to College Files** The Federal Education Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include the right to inspect the student’s education records; the right to request the amendment of the student’s education records that the student believes are inaccurate or misleading; the right to consent to disclosure of personally identifiable information contained in the student’s education records; and the right to request that certain information not be released without his or her prior written consent by filing a letter with the Office of the Registrar. (see: Hunter College Students’ Rights Concerning Education Records)

**Withdrawal from Part of Program** The Board of Trustees has ruled that students have until the end of the third week of classes (or during the summer session, the end of the first week of classes) to drop a course without penalty. This period coincides with the refund period. The course will not appear on the student’s record. A student may withdraw officially, with a grade of “W,” between the end of the third week of classes and the first day of the tenth week of classes. (During the summer session a student may withdraw officially between the second week of classes and the first day of the fifth week of classes.) To do so, a student should obtain a withdrawal form from the OASIS. After the deadline, official withdrawals will be considered for approval by the Office of Student Services. Approval will be granted only when it is clear that the student has good and sufficient reason for withdrawing. Students should be aware that withdrawal from classes may have an impact on their financial aid. A student should make an appointment with an adviser in the Office of Student Services, Room 1119 Hunter East, before proceeding with the withdrawal process. The problem often has other solutions.

**Unofficial Withdrawal** When a student ceases to participate in a course but has not withdrawn officially, the student shall be deemed to have withdrawn unofficially. Evidence of unofficial withdrawal shall include all of the following: failure to attend class for at least four weeks consecutively (or during the summer session, two weeks consecutively) through the end of the semester (the last day of classes); failure to attend the final exam; and failure over this period to meet any other course requirements (e.g., to submit paper assignments and take examinations). The unofficial withdrawal (“WU”) by university regulations is equivalent to a grade of F. Cessation of attendance or unofficial withdrawal may also have negative financial aid consequences.

**Withdrawal from College** Students who become ill or who experience personal difficulties or a lack of interest that prevents their concentrating on college work, are encouraged to withdraw completely from college. Failure under such conditions can only make an eventual return to college more difficult. Deadlines for such withdrawals are the same as for withdrawals from part of the program (see above).

Such students should make an appointment to see a counselor in the Office of Student Services. Students must return books to the library and all college equipment to the department to which it belongs. Students who are unable to return to Hunter to withdraw in person should write or have someone else write to the Office of Student Services. The letter should contain (1) the name under which the student is registered at Hunter; (2) the Social Security number; (3) the return address and telephone number; (4) the reason for withdrawal, with appropriate documentation (medical, psychological or employee) and the last date of attendance; and (5) a copy of the Bursar’s receipt.

Students who stop attending without following the above procedures are considered to have withdrawn unofficially and will receive WUs, which are equivalent to Fs in computing the GPA.

Students whose GPA at the time of withdrawal is below the minimum required for continued matriculation shall be considered as having been dropped for poor scholarship. Students who have withdrawn from the college, officially or unofficially, must apply for readmission in the Office of Admissions, Room 203 Hunter North, at least three months prior to the semester in which they wish to re-enter.

**Admission to the College**
Finding Out About Hunter

The Admissions Office at Hunter College encourages all prospective students to meet with an admissions counselor to discuss their educational goals and opportunities at Hunter. Prospective students are also invited to visit the campus. Campus tours originate from the College Welcome Center, room 100 Hunter North. Please visit our Web site (www.hunter.cuny.edu and click on prospective students) or call (212) 772-4490 for tour information.

Students who apply to Hunter College must file the CUNY undergraduate application, which is available online at www.cuny.edu. Applicants are notified by CUNY’s University Application Processing Center (UAPC) if additional information is necessary for the college to make an admission decision.

Freshmen and transfer students are encouraged to apply by February 1 for the fall semester and September 15 for the spring semester. There is no official closing deadline for applications. Applications are accepted and qualified applicants are offered admission throughout the year, space permitting. However, applicants who have had all or part of their education outside the United States should have a completed application on file by the aforementioned deadlines. All students should apply as early as possible to guarantee full consideration for admission and scholarship aid.

Application Fees

$65 freshman
$70 transfer
$125 graduate

Additional information is available on the prospective students Web site: http://www.hunter.cuny.edu.

Inquiries and questions can be addressed to:

Hunter College Welcome Center
Room 100 Hunter North
695 Park Avenue, New York, NY 10065

Freshman Admission

Freshman admission to Hunter College is competitive. Applicants are considered for admission on the basis of the overall strength of their academic preparation, which includes SAT/ACT scores, high school academic average, the number of academic subjects and the distribution of those courses. A diploma from an accredited high school, an equivalency diploma or a United States Armed Forces diploma is also required for entrance to the college. Neither a high school certificate nor an IEP diploma is acceptable.

Academic Preparation

The best preparation for success at Hunter College is a full program of college-preparatory courses. The college recommends four years of English, four years of social studies, three years of mathematics, two years of foreign language, two years of laboratory science and one year of performing or visual arts.

In addition to providing a strong foundation for college-level coursework, the program recommended above fulfills the 16 units of high school work in academic courses required for admission to a CUNY senior college under the College Preparatory Initiative (CPI). High school students should check with guidance counselors to determine which courses
are considered to be academic within the English, mathematics, science, social science, foreign language and fine and performing arts curricula.

**Advanced Placement and College-Level Courses**

Students who have had an Advanced Placement (AP) course in secondary school and who pass the Advanced Placement Tests of the College Entrance Examination Board with grades of 5 or 4 (high honors or honors) are in most cases exempt from taking a corresponding course or equivalent requirement at Hunter. Those who are similarly prepared but whose scores are 3 (creditable) may also be exempt from a corresponding course at Hunter, provided the appropriate Hunter department so recommends.

A maximum of 30 credits can be awarded by examination through the following programs: College Entrance Examination Board Advanced Placement (AP), College-level Examination Program (CLEP) and Regents College Examinations (RCE). Certain academic departments may have restrictions on the award of credits by examination. Check with the department and see the Office of Admissions Web site for additional information.

Students who have completed college-level coursework offered by an accredited senior or community college while in high school will receive credit for courses in which grades of C or better are earned. Official college transcripts must be submitted to the Office of Admissions for credit to be awarded.

**Special Admissions Programs and Categories for Freshman**

**CUNY Macaulay Honors College at Hunter College**

The Hunter Honors College attracts students with outstanding academic records who seek intellectual challenges in a supportive environment. Using the undergraduate online application available through the CUNY Web site (www.cuny.edu), students select the Honors College and then indicate Hunter College as their desired campus.

A student must enter the Honors College as a first semester freshman and may seek admission through either Early Decision (application by November 1) or regular decision (application by December 1). For more information on the Hunter Honors College, see Special Academic Programs of this catalog or inquire at the Honors College Office, Room 140 Hunter North, (212) 650-3556.

**Early Admission**

Students with superior high school records may apply for admission to the college upon completion of the third year of high school. An interview with the Admissions Committee is required, as well as a high school average of at least 90%, minimum SAT scores of 600 verbal and 600 math and three high school recommendations. Students are admitted only in the fall semester. Applications must be filed directly with the Hunter Admissions Office before April 1.

**ESL (English as a Second Language) Designation**

Students whose secondary school education includes at least one year in a high school where a language other than English is the primary language of instruction are designated as ESL students. ESL students who are admitted to Hunter may be permitted to register even if they received failing scores on the CUNY skills assessment tests in reading and/or writing. (A passing score on the CUNY Math Assessment Test (CMAT) is required for ESL designation.)
These students are tested for placement in appropriate developmental courses and receive special advisement regarding program planning. ESL students may take developmental English courses for two semesters and are permitted to enroll at Hunter for an additional two semesters before being required to pass. Additional information about placement and program planning for ESL students is available at the Office of Student Services.

**SEEK Program (Search for Education, Elevation and Knowledge)**

The SEEK Program admits a limited number of educationally and economically disadvantaged students who do not meet the standard admission criteria. This program provides intensive academic services and a stipend for educational expenses to those students who exhibit extreme need. Students apply for entry to the SEEK Program through the standard freshman admission process. See the Financial Aid section for additional information on requirements for admission to the SEEK Program.

*Note: For information about admission to special academic programs for continuing students, including programs in the Schools of the Health Professions, QUEST (School of Education) and the Thomas Hunter Honors program, see the appropriate school and department/program listing in this catalog.*

**Transfer (Advanced Standing) Admission**

Students who attended a regionally accredited college or university after graduation from high school must file a CUNY Transfer (Advanced Standing) application. Transfer applicants are considered for admission with advanced standing if they meet the following minimum criteria (with the exception of the School of Nursing and the School of Health Sciences):

<table>
<thead>
<tr>
<th>Number of Credits Earned</th>
<th>Admission Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i.e., credits completed at time of application)</td>
<td></td>
</tr>
<tr>
<td>0 - 13.9</td>
<td>Applicants must satisfy freshman admission criteria and present a cumulative college grade point average of at least 2.5</td>
</tr>
<tr>
<td>14 - 23.9</td>
<td>Applicants must satisfy freshman admission criteria and present a cumulative college grade point average of at least 2.5,</td>
</tr>
<tr>
<td>24 or more credits</td>
<td>A cumulative grade point average of at least 2.5</td>
</tr>
</tbody>
</table>

Nondegree students who are in attendance at Hunter College as well as those who were previously enrolled, in addition to meeting the above stated criteria, must have had a minimum grade point average of 2.0 in their Hunter coursework.

Transfer admissions decisions and determinations of advanced standing are made by the Hunter College Admissions Office on the basis of work done as a matriculated student at regionally accredited two- and four-year colleges and universities. Only courses in which a student has earned a grade of C or better (D from CUNY colleges) can be accepted for transfer. Transfer credit will not be granted for any remedial, developmental or ESL courses.

Graduate courses are not transferrable as undergraduate courses.

Transfer students from CUNY community colleges who have earned an AA or AS degree are admitted to the college, awarded junior status and considered to have satisfied core course requirements. However, depending upon the major
selected at Hunter, some students may need more than 60 additional credits in order to complete Hunter’s bachelor’s degree requirements. Transfer students from CUNY colleges who have not earned a two-year AA or AS degree and transfer students from non-CUNY colleges are awarded credit for previous work on a course-by-course basis. All transfer students, including those entering with CUNY AA and AS degrees, must fulfill the college’s foreign language and Pluralism and Diversity, and Writing requirements.

The maximum total number of credits that may be transferred from other accredited four-year institutions to Hunter College is 90. There is a 70-credit limit on the number of credits that may be transferred from two-year institutions.

Applicants are required to report and provide transcripts for all previous college coursework including coursework that was in progress at the time of application. Failure to do so may result in the denial of all transfer credit and suspension from Hunter.

International Students

Admission of international students is based on three factors: academic record, English proficiency and the guarantee of sufficient financial resources to meet the cost of attendance. For purposes of admission, an international student is defined as an applicant who currently holds a student (F-1) or exchange visitor (J-1) visa or seeks such visa status upon enrollment. The United States Immigration and Naturalization Service requires documentation of financial support before approving the issuance of a visa.

International applicants whose primary language is not English must demonstrate a firm command of the English language by scoring a minimum of 500 on the TOEFL. No provisional admission is offered whereby a student may come to the college and spend a semester or year learning English.

Applicants are responsible for the payment of all tuition and fees at the time of registration. Hunter College does not provide financial assistance to international students; they must be in a position to finance tuition, fees, room and board, insurance, books and incidental expenses. The estimated cost is $25,000 per year and is subject to change. Hunter College does not make housing arrangements for students; it is essential that students be prepared to make their own housing arrangements upon arrival.

For more information, contact the International Students Office, Hunter College, 695 Park Avenue, Room 1109 Hunter East, New York, NY 10065; telephone: (212) 772-4864; e-mail: intlss@hunter.cuny.edu. Policies governing the Office of Admissions and the International Students Office are based on policies and practices recommended by NAFSA, AACRAO and other educational organizations.

Part-Time Students

Each semester nearly 6,700 part-time undergraduate students attend Hunter College. These students vary widely in age, interests, background and educational goals. Part-time students can enroll in most degree programs offered. Certain programs, however, require daytime attendance or periods of full-time attendance, such as those involving internships, student teaching and work outside the college. Part-time students can be either degree candidates or nondegree students. To enroll as a part-time student contact the Hunter College Welcome Center for an appropriate application. The CUNY Undergraduate Degree Application must be filed by those seeking degree status, while those seeking nondegree status need to file the Hunter College Application for Nondegree Admission.

Nondegree Students

Students who are not interested in earning a degree but wish to enroll in college credit bearing courses relating to career advancement, preparation for graduate school or other special interests may be admitted as nondegree students. All
students wishing to enroll at Hunter in a nondegree status must obtain an application for nondegree admission from the prospective student website or the College Welcome Center, Room 100 Hunter North. This application, along with verification of at least a high school diploma or 24 earned college credits, must be submitted to the Office of Admissions. Neither a high school certification nor an IEP diploma is acceptable (see back of the nondegree application for further information.) A nondegree admission fee of $65 will be charged at the student’s first registration. See fee schedule in section 2. Nondegree students may register for any course for which space is available at the time of registration, provided they have met the prerequisites and have taken and passed applicable placement exams. (Check with the appropriate departments for more information concerning prerequisites and placement exams.) Such students: (1) are permitted to attempt up to 12 credit hours before they are required to take the CUNY Skills Assessment Test(s) and, providing they pass all parts of the test(s), must (2) either matriculate or leave the college when they have attempted 24 credits. Courses in which the student receives a grade of “W” do not count toward the 12- or 24-credit limitations. Students are permitted to take the CUNY Skills Assessment Test(s) at any time before the 12-credit limit. Generally, all parts of the Skills Assessment Test(s) must be taken, with the understanding that failing any part of the test(s) means the student cannot register for any further courses at Hunter College until all parts are successfully completed. (For student options in this case, see below.)

Baccalaureate, master’s or doctoral degree holders (from a college or university accredited by a regional U.S. accrediting association) are exempt from testing and the 24-credit limit, provided proof of the degree is submitted along with their application for admission.

For students who have failed any part of the CUNY Skills Assessment Tests and consequently cannot enroll at Hunter in a nondegree or matriculated status, remediation is available at CUNY community colleges. Generally, students must matriculate at these colleges before they can take the appropriate remedial courses. Upon completing the relevant courses, students may apply for readmission to Hunter.

Credits earned at Hunter College as a non-degree student are automatically transferred into a degree program upon matriculation at Hunter. Those credits earned at Hunter will be accepted as residency credits.

Applications for all categories of nondegree students must be filed by April 1st for summer, May 1st or fall and November 1st for spring.

Visiting Students

Students currently in attendance at other than CUNY colleges who wish to take courses at Hunter College may enroll as visiting students. Visiting students attend Hunter in a nondegree classification and are subject to the same rules and regulations. Along with the Application for Nondegree Admission, visiting students must present to the Office of Admissions a college transcript indicating the completion of at least 24 academic credits.

E-permit Students

CUNY college students in degree attendance at other CUNY colleges who wish to take courses “on permit” at Hunter College may enroll as nondegree visiting students. An approved permit must be obtained from the registrar of the home college and submitted to the Hunter College (host college) registrar in the OASIS, Room 217 Hunter North.

High School Students

Students at New York City public high schools may acquaint themselves with undergraduate life by participating in Hunter College Now. Activities range from workshops for sharpening writing or mathematics skills to college-level courses across the arts and sciences. Each summer, Hunter College Now focuses on the sciences and mathematics by hosting high-performing students at the Summer Institute for accelerated coursework that is complemented by tutoring,
college guidance and co-curricular activities. Admission to college-level courses offered through College Now is competitive. To qualify for college-level coursework, including the Summer Institute, a student must demonstrate mastery of basic mathematics and/or verbal skills, depending on the discipline, as measured by the SAT, PSAT and English language arts and mathematics Regents exams. College Now offerings, including credit-bearing courses, are provided at no cost.

Apart from College Now, high school students from non-public and public high schools in New York City and elsewhere may register as nondegree students under Hunter’s current tuition and fee schedule with the written approval of a high school principal. High school students must meet CUNY proficiency standards in basic skills. Interested high school students are encouraged to speak with a pre-admissions counselor in the Welcome Center, Room 100 Hunter North.

Senior Citizens

New York State residents 60 years of age or older may audit undergraduate courses at Hunter College on a tuition-free, space-available basis. Auditors receive neither grades nor academic credit for their courses. Individuals enrolling under this program pay fees totaling approximately $85 each semester. Along with verification of having attained the age of 60 and New York State residency, applicants must file the undergraduate nondegree application to be considered for this program. Individuals over the age of 60 who do not wish to audit their courses may receive academic credit provided the appropriate tuition is paid.

Readmission

Students who have previously attended Hunter College may apply for readmission to their former status. These applicants should apply for readmission to the college well in advance of the semester for which they wish to return. Priority consideration will be given to applications filed prior to November 1 for spring admission and April 1 for summer and May 1 for fall admission. Applications filed after these dates will be considered on a space-available basis.

All students who are readmitted to Hunter College after an absence of 10 or more years must adhere to the undergraduate Catalog requirements in effect at the time of their readmission to Hunter College, and they are required to fulfill their major department’s current course/degree requirements.

Applications for degree and nondegree readmission are available on the prospective student Web site at the Hunter College Welcome Center. Students in good academic standing are generally readmitted to the college, whereas students who were dismissed for academic reasons or who left with a grade point average below 2.0 may be considered for readmission on a probationary basis. Readmission on probation is predicated on the expectation that the student will raise his/her grade point average above 2.0 within a reasonable amount of time.

SEEK students who have not been in attendance for four or more semesters and/or have been in the program for 10 semesters will not be readmitted to SEEK. Students who do not wish to return to SEEK must receive a release from the director of the SEEK program.

Enrollment Requirements

Health Requirements

Prior to registration, the following health requirements must be met:
Immunizations for Measles, Mumps and Rubella Public Health Law 2165 requires college students to present a complete record of two live immunizations against measles and a single immunization against mumps and rubella. Students born on or after January 1, 1957 must submit a complete immunization record signed by a health practitioner. Further information regarding health standards may be found in the Student Rights and Regulations section of this catalog.

Meningococcal Disease Public Health Law 2167 requires institutions, including colleges and universities, to distribute information about meningococcal disease and vaccination to all students meeting the enrollment criteria, whether they live on or off campus. Hunter College of the City University of New York is required to maintain a record of the following for each student: a) response to receipt of meningococcal disease and vaccine information signed by the student; b) record of meningococcal meningitis immunization within the past 10 years; or c) acknowledgment of meningococcal disease risks and refusal of meningococcal meningitis immunization signed by the student.

Please note that students will not be allowed to continue at Hunter if they are not compliant (have not handed in their Response Form) within 30 days from the first scheduled day of classes. To learn more about meningitis and the vaccine, please consult your physician. You can also find information about the disease at http://www.cdc.gov.

For more information and to download/print the Immunization Requirement Form please visit the forms and documents section of the Hunter College registrar’s web page at http://registrar.hunter.cuny.edu. The form must be returned to the Office of Health Services, Room 307 Hunter North. For updated office hours call (212) 772-4800.

Testing Requirements

Basic Skills Assessment Tests

Degree Students

Students admitted to Hunter College with fewer than 45 credits must demonstrate mastery in the basic skills of reading, writing and mathematics. Students may demonstrate basic skills mastery by meeting the score criteria indicated below:

<table>
<thead>
<tr>
<th>Reading and Writing Test</th>
<th>Minimum Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAT (Verbal)</td>
<td>480</td>
</tr>
<tr>
<td>– or – English (ELA) Regents</td>
<td>75</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mathematics Test</th>
<th>Minimum Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAT (Mathematics)</td>
<td>480</td>
</tr>
<tr>
<td>– or – Math Regents (Sequential 2, 3 or A)</td>
<td>75</td>
</tr>
</tbody>
</table>

Students who cannot demonstrate mastery by meeting the above criteria must take and pass the appropriate skills assessment test(s) before registering for their first semester of coursework.

Nondegree Students
Nondegree students may attempt up to 12 credits without taking the CUNY Skills Assessment Tests, unless a placement test is required for a particular course. However, the test is required once 12 credits have been attempted, unless a student is exempt based on the same score criteria set forth above for degree students. Students who fail to demonstrate basic skills mastery will not be permitted to register for coursework beyond 12 credits. Nondegree students who take and fail any part of the CUNY Skills Assessment Tests before reaching the 12-credit limit will not be permitted to enroll in additional courses at Hunter until they have met proficiency requirements at a CUNY community college.

Mathematics Placement Test

The mathematics placement exam assesses a student’s knowledge of algebra, trigonometry and pre-calculus. All students, whether or not they have demonstrated minimum proficiency in math, must take a math placement test before they may register at Hunter. Test results will be used to place students appropriately in coursework at the college. Although it is mandatory, the exam does not affect acceptance. Students will automatically be scheduled for this examination and may change a scheduled appointment by contacting the Testing Center, Room 150 Hunter North or by calling (212) 772-4898. Sample questions may be viewed on the Testing Center Web site: http://admissions.hunter.cuny.edu/testing.htm.

Africana and Puerto Rican/Latino Studies

Return to the Faculty of the School of Arts and Sciences

Anthony Browne, Associate Professor, Africana and Puerto Rican/Latino Studies; BA Cornell, MA California (Los Angeles), MA, PhD Columbia

Milagros Denis-Rosario, Assistant Professor, Africana and Puerto Rican/Latino Studies; BA University of Puerto Rico, M.P.S. Cornell, Ph.D. Howard University

Joanne Edey-Rhodes, Lecturer, Africana and Puerto Rican/Latino Studies; BA LIU, MA, MPhil Columbia

Veronica M. Gregg, Associate Professor, Africana and Puerto Rican/Latino Studies; BA West Indies, MA Queens (Canada), PhD Kent (UK)

Ehiedu Iweriebor, Professor and Chair, Africana and Puerto Rican/Latino Studies; BA, MA Ibadan (Nigeria), PhD Columbia

Pedro Lopez-Adorno, Professor, Africana and Puerto Rican/Latino Studies; BA, MA City College, PhD NYU

Elgardo L. Meléndez, Professor, Africana and Puerto Rican/Latino Studies; BA University of Puerto Rico, M.Phil City University of New York, Ph.D. City University of New York

Felix Matos-Rodriguez, Associate Professor, Africana and Puerto Rican/Latino Studies; BA Yale, MA, PhD Columbia
Arlene Torres, Associate Professor, Africana and Puerto Rican/Latino Studies; BA Colgate University, MA University of Illinois, Ph.D. University of Illinois

Victor M. Torres-Vélez, Assistant Professor, Africana and Puerto Rican/Latino Studies; BA University of Puerto Rico, MA Michigan State University, Ph.D. Michigan State University

Return to the Department of Africana and Puerto Rican/Latino Studies

Anthropology

Return to the Faculty of the School of Arts and Sciences

Jacqueline Nassy Brown, Associate Professor, Anthropology; BA Hunter, PhD Stanford

Ruchi Chaturvedi, Assistant Professor, Anthropology, BA MA Delhi, PhD Columbia

Ignasi Clemente, Assistant Professor, Anthropology, BA Barcelona, MA PhD UCLA

Gerald Creed, Professor, Anthropology; BA Duke, MA, PhD CUNY

Marc Edelman, Professor, Anthropology; BA, MA, PhD Columbia

Judith Friedlander, Professor, Anthropology; PhD Chicago

Christopher Gilbert, Assistant Professor, Anthropology, BA Duke, MA PhD Stony Brook

Robert Greenberg, Professor, Anthropology, Acting Dean of Arts and Sciences, PhD Yale

David Julian Hodges, Professor, Anthropology; BA Morris Brown, MA, PhD NYU

Gregory A. Johnson, Professor and Chair, Anthropology; AB, AM, PhD Michigan (Dearborn)

Yukiko Koga, Assistant Professor, Anthropology, BA Keio, MA Syracuse, PhD Columbia

Thomas H. McGovern, Professor, Anthropology; BA, MA, PhD Columbia
Two minors are offered by the Arabic Language, Literature, and Culture Division of the Department of Classical and Oriental Studies: Arabic and Arabic Studies.

Minor in Arabic

The minor in Arabic requires the successful completion of

**ARB 20100 - Intermediate Arabic I**

Emphasis placed on reading materials from Arabic media, and expanding vocabulary and grammar skills.  
*prereq: ARB 10200 or equiv.*  
3 hrs3 cr.

**ARB 20200 - Intermediate Arabic II**

Continuation of ARB 20100.  
*prereq: ARB 20100 or equiv.*  
3 hrs3 cr.

**ARB 30100 - Advanced Arabic I**
Emphasis on increased proficiency in reading, speaking and writing Arabic
prereq: ARB 20200 or equiv.
3 hrs3 cr.

ARB 30200 - Advanced Arabic II

Continuation of ARB 30100
prereq: ARB 30100 or equiv.
3 hrs3 cr.

or their equivalent as determined by the Arabic Program Head.

ARB 14900 - Spoken Egyptian Arabic

The goal of this course is to teach students oral communication in the Egyptian dialect, as well as to impart cultural knowledge relevant to a student living in or visiting Egypt. This course is closed to native speakers of Arabic.
prereq: ARB 10200 and permission of instructor
3 hours3 credits

can be taken in lieu of ARB 30200
The prerequisite for the minor is successful completion of ARB 10100 and 10200 (8 credits).

Arabic Studies Minor

The Arabic Studies Minor requires the successful completion of 4 ARB courses on cultural or literary topics taught in English or in Arabic. Up to 2 Arabic language courses may be used to fulfill the minor requirements in lieu of two culture or literature courses.

The prerequisite for the minor is successful completion of ARB 10100 and ARB 10200 (8 credits).

Arabic Courses

ARB 10100 - Beginning Arabic I

Introduction to reading, speaking, listening, writing both formal and informal Arabic.

10100 not credited without 10200. This class is not for native speakers.
4 hrs4 cr.

ARB 10200 - Beginning Arabic II

Continuation of ARB 10100.
This class is not for native speakers.
prereq: ARB 10100 or equiv.
4 hrs4 cr.

ARB 14900 - Spoken Egyptian Arabic

The goal of this course is to teach students oral communication in the Egyptian dialect, as well as to impart cultural knowledge relevant to a student living in or visiting Egypt. This course is closed to native speakers of Arabic.
prereq: ARB 10200 and permission of instructor
3 hours 3 credits

ARB 20000 - Topics in Arabic Literature and Culture

This course will focus on a variety of topics related to the literatures and cultures of the Arab World. Readings in translation. Specific information on a particular semester's offerings can be found on the on-line class schedule.
prereq: ENGL 12000 or equivalent
3 hours 3 credits

ARB 20100 - Intermediate Arabic I

Emphasis placed on reading materials from Arabic media, and expanding vocabulary and grammar skills.
prereq: ARB 10200 or equiv.
3 hrs 3 cr.

ARB 20200 - Intermediate Arabic II

Continuation of ARB 20100.
prereq: ARB 20100 or equiv.
3 hrs 3 cr.

ARB 25000 - The Arab Novel (in translation) (W)

GER 2C, PD/A
A consideration of Arab novels as a source for understanding issues such as urbanization, war, imperialism, nationalism, gender, as well as the politics of translation.
prereq: ENG 22000 or equiv.
3 hrs 3 cr.

ARB 25100 - Arab Cinema (in translation)

GER 2/D, PD/A
This course will introduce students to the history of Arab Cinema through readings and weekly screenings of films from all over the Arab World.
prereq: ENGL 12000 or equivalent
3 hrs 3 credits

ARB 25200 - Literatures from the Islamic World (W)

GER 2C, PD/A
A survey of literary genres and themes from the Islamic World from the 7th to the 15th century.
prereq: ENGL 12000 or equivalent
3 hrs 3 credits

ARB 25300 - Literatures and Cultures of Muslim Spain (W)

GER 2C, PD/A
A survey of the literary and cultural history of Muslim Spain, 8th - 15th century C.E.
prereq: ENGL 12000 or equivalent
3 hrs3 credits

**ARB 25400 - The Arabian Nights East and West (W)**

GER 2C, PD/A
The course studies not only the stories of the Arabian Nights (1001 Nights), but also the history of the translation and adaptation of the Nights into European languages.

prereq or coreq: ENGL 12000 or equivalent
3 hours3 credits

**ARB 30000 - Problems in Arabic Literature and Culture**

This course will focus on a specific area related to the literatures and topics of the Arab World. As a 300-level course, it will cover a narrow spectrum of texts. Readings in translation. Specific information on a particular semester's offerings can be found on the on-line class schedule.

prereq or coreq: ENGL 12000 and one of the following or permission of the instructor: ANTHC 20100, ARB 20000, ARB 25000W, ARB 25100, ARB 25200W, ARB 25400W, ARTH 26000W, ASIA 22004, ASIA 39013, ASIA 45051, GEOG 27400, HEBR 21500W, HIST 27650, HIST 27651, POLSC 26300W, POLSC 26900W, REL 32200W, REL 33700W OR SOC 36200W.
3 hours3 credits

**ARB 30100 - Advanced Arabic I**

Emphasis on increased proficiency in reading, speaking and writing Arabic

prereq: ARB 20200 or equiv.
3 hrs3 cr.

**ARB 30200 - Advanced Arabic II**

Continuation of ARB 30100

prereq: ARB 30100 or equiv.
3 hrs3 cr.

**Art**

Return to the Faculty of the School of Arts and Sciences

**William Agee**, Evelyn Kranes Kossak Professor, Art; BA Princeton, MA Yale

**Ulku Bates**, Professor, Art; Licentiate Istanbul (Turkey), MA, PhD Michigan (Flint)

**Andrea Blum**, Professor, Art; BFA Boston Museum School of Fine Arts, MFA Art Institute of Chicago

**Emily Braun**, Distinguished Professor, Art; BA Victoria College, Toronto (Canada), MA, PhD NYU
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Constance DeJong, Distinguished Lecturer, Art; MA Hunter

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Gabriele Evertz, Associate Professor, Art; BA, MFA Hunter

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Valerie Jaudon, Professor, Art

Paul Ramirez Jonas, Assistant Professor, Art; MFA Rhode Island School of Design

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Maria Antonella Pelizzari, Associate Professor, Art; Laurea Degree University of Genova, PhD New Mexico
Joachim Pissarro, Bershad Professor of Art History and Director of the Hunter College Galleries; MA Courtauld Institute, London, PhD Texas (Austin)

Elinor Richter, Associate Professor, Art; MA NYU, MA, PhD Columbia

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Richard Stapleford, Professor, Art; BA Duke, MA, PhD NYU

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Sanford Wurmfeld, Phyllis and Joseph Caroff Professor of Fine Arts, Art; BA Dartmouth

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John Mason, Professor, Studio Art
Douglas Ohlson, Professor, Studio Art; BA Minnesota

Susan Peterson, Professor, Studio Art; MFA Alfred

Wendy Ramirez, Assistant to Chair, Art; BA Hunter

Tara Zanardi, Assistant Professor, BA Delaware, MA, PhD Virginia

Return to the Department of Art

Asian American Studies

Return to the Faculty of the School of Arts and Sciences

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Return to Asian American Studies Program

Biological Sciences

Return to the Faculty of the School of Arts and Sciences

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Thomas Schmidt-Glenewinkel, Associate Professor; BSc, PhD University of Frankfurt

Ezra Shahn, Professor; BA, Bard, PhD Penn

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Return to the Department of Biological Sciences

Bylaws of the Board of Trustees

Article XV - Students
Section 15.0 Preamble

Academic institutions exist for the transmission of knowledge, the pursuit of truth, the development of students, and the general well-being of society. Student participation, responsibility, academic freedom, and due process are essential to the operation of the academic enterprise. As members of the academic community, students should be encouraged to develop the capacity for critical judgment and to engage in a sustained and independent search for truth.

Freedom to learn and to explore major social, political, and economic issues are necessary adjuncts to student academic freedom, as is freedom from discrimination based on racial, ethnic, religious, sex, political, and economic differentiations.

Freedom to learn and freedom to teach are inseparable facets of academic freedom. The concomitant of this freedom is responsibility. If members of the academic community are to develop positively in their freedom; if these rights are to be secure, then students should exercise their freedom with responsibility.

Section 15.1 Conduct Standard Defined

Each student enrolled or in attendance in any college, school or unit under the control of the board and every student organization, association, publication, club or chapter shall obey the laws of the city, state and nation, and the bylaws and resolutions of the board, and the policies, regulations, and orders of the college.

The faculty and student body at each college shall share equally the responsibility and the power to establish, subject to the approval of the board, more detailed rules of conduct and regulations in conformity with the general requirement of this article.

This regulatory power is limited by the right of students to the freedoms of speech, press, assembly and petition as applied to others in the academic community and to citizens generally.

Section 15.2. Student Organizations

a. Any group of students may form an organization, association, club or chapter by filing with the duly elected student government organization of the college or school at which they are enrolled or in attendance and with an officer to be designated by the faculty of the college or school at which they are enrolled or in attendance, (1) the name and purposes of the organization, association, club or chapter, (2) the names and addresses of its president and secretary or other officers corresponding in function to president and secretary.

However, no group, organization or student publication with a program against the religion, race, ethnic origin or identification or sex of a particular group or which makes systematic attacks against the religion, race, ethnic origin or sex of a particular group shall receive support from any fees collected by the college or be permitted to organize or continue at any college or school. No organizations, military or semi-military in character, not connected with established college or school courses, shall be permitted without the authorization of the faculty and the duly elected student government and the board.

b. Extra-curricular activities at each college or school shall be regulated by the duly elected student government organization to insure the effective conduct of such college or school as an institution of higher learning and for the prevention of activities which are hereafter proscribed or which violate the standards of conduct of the character set forth in bylaw 15.1. Such powers shall include:

1. The power to charter or otherwise authorize teams (excluding intercollegiate athletics), publications, organizations, associations, clubs or chapters, and, when appropriate in the exercise of such regulatory power, the power to refuse, suspend or revoke any charter or other authorization for
cause after hearing on notice.

2. The power to delegate responsibility for the effective implementation of its regulatory functions hereunder to any officer or committee which it may appoint. Any aggrieved student or group whose charter or other authorization has been refused, suspended or revoked may appeal such adverse action by such officer or committee of student government to the duly elected student government. On appeal an aggrieved student or group shall be entitled to a hearing following the due process procedures as set forth in section 15.3. Following such hearing the duly elected student government shall have the authority to set aside, decrease or confirm the adverse action.

c. Any person or organization affiliated with the college may file charges with an office of the dean of students alleging that a student publication has systematically attacked the religion, race, ethnic origin or sex of a particular group, or has otherwise contravened the laws of the city, state or nation, or any bylaw or resolution of the board, or any policy, regulation or order of the college, within a reasonable period of time after such occurrence. If the dean of students determines, after making such inquiries as he/she may deem appropriate, that the charges are substantial, he/she shall attempt to resolve the dispute, failing which he/she shall promptly submit the charges to the faculty-student disciplinary committee for disposition in accordance with the due process procedures of section 15.3 thereof. If the committee sustains the charges or any part thereof against the student publication, the committee shall be empowered to (1) reprimand the publication, or (2) recommend to the appropriate funding bodies the withdrawal of budget funds. The funding body shall have the authority to implement fully, modify or overrule the recommendations.

d. Each college shall establish a student elections review committee in consultation with the various student governments. The student elections review committee shall approve the election procedures and certify the results of elections for student governments, and student body referenda.

e. Student government elections shall be scheduled and conducted, and newly elected student governments shall take office, in accordance with policies of the board, and implementing regulations.

Section 15.3. Student Disciplinary Procedures

Complaint Procedures:

a. Any charge, accusation, or allegation which is to be presented against a student, and, which if proved, may subject a student to disciplinary action, must be submitted in writing in complete detail to the office of the dean of students promptly by the individual, organization or department making the charge.

b. The chief student affairs officer of the college or his or her designee will conduct a preliminary investigation in order to determine whether disciplinary charges should be preferred. The chief student affairs officer or his or her designee will advise the student of the charge(s) against him or her, consult with other parties who may be involved or who have information regarding the incident, and review other relevant evidence. Following this preliminary investigation, which shall be concluded within thirty (30) calendar days of the filing of the complaint, the chief student affairs officer or designee shall take one of the following actions:

   i. Dismiss the matter if there is no basis for the allegation(s) or the allegation(s) does not warrant disciplinary actions. The individuals involved shall be notified that the complaint has been dismissed;

   ii. Refer the matter to conciliation. If a matter is referred to conciliation the accused student shall receive a copy of the notice required pursuant to section 15.3.e. of this bylaw; or
iii. Prefer formal disciplinary charges.

**Conciliation Conference:**

c. The conciliation conference shall be conducted by the counselor in the office of the dean of students or a qualified staff or faculty member designated by the chief student affairs officer. The following procedures shall be in effect at this conference:

1. An effort will be made to resolve the matter by mutual agreement.

2. If an agreement is reached, the counselor shall report his/her recommendation to the chief student affairs officer for approval and, if approved, the complainant shall be notified.

3. If no agreement is reached, or if the student fails to appear, the counselor shall refer the matter back to the chief student affairs officer who will prefer disciplinary charges.

4. The counselor is precluded from testifying in a college hearing regarding information received during the conciliation conference.

**Notice of Hearing and Charges:**

d. Notice of the charge(s) and of the time and place of the hearing shall be personally delivered or sent by the chief student affairs officer of the college to the student at the address appearing on the records of the college, by registered or certified mail and by regular mail. The hearing shall be scheduled within a reasonable time following the filing of the charges or the conciliation conference. Notice of at least five business days shall be given to the student in advance of the hearing unless the student consents to an earlier hearing.

e. The notice shall contain the following:

1. A complete and itemized statement of the charge(s) being brought against the student including the rule, bylaw or regulation he/she is charged with violating, and the possible penalties for such violation.

2. A statement that the student has the following rights:
   i. to present his/her side of the story;
   ii. to present witnesses and evidence on his/her behalf;
   iii. to cross-examine witnesses presenting evidence against the student;
   iv. to remain silent without assumption of guilt; and
   v. to be represented by legal counsel or an adviser at the student’s expense.

3. A warning that anything the student says may be used against him/her at a non-college hearing.

**Faculty-Student Disciplinary Committee Procedures:**

f. The following procedures shall apply at the hearing before the faculty-student disciplinary committee:
1. The chairperson shall preside at the hearing. The chairperson shall inform the student of the charges, the hearing procedures and his or her rights.

2. After informing the student of the charges, the hearing procedures, and his or her rights, the chairperson shall ask the student charged to plead guilty or not guilty. If the student pleads guilty, the student shall be given an opportunity to explain his/her actions before the committee. If the student pleads not guilty, the college shall present its case. At the conclusion of the college’s case, the student may move to dismiss the charges. If the motion is denied by the committee the student shall be given an opportunity to present his or her defense.

3. Prior to accepting testimony at the hearing, the chairperson shall rule on any motions questioning the impartiality of any committee member or the adequacy of the notice of the charge(s). Subsequent thereto, the chairperson may only rule on the sufficiency of the evidence and may exclude irrelevant, immaterial or unduly repetitive evidence. However, if either party wishes to question the impartiality of a committee member on the basis of evidence which was not previously available at the inception of the hearing, the chairperson may rule on such a motion. The chairperson shall exclude all persons who are to appear as witnesses, except the accused student.

4. The college shall make a record of each fact-finding hearing by some means such as a stenographic transcript, a tape recording or the equivalent. A disciplined student is entitled upon request to a copy of such a transcript, tape or equivalent without cost.

5. The student is entitled to a closed hearing but has the right to request an open public hearing. However, the chairperson has the right to hold a closed hearing when an open public hearing would adversely affect and be disruptive of the committee’s normal operations.

6. The college bears the burden of proving the charge(s) by a preponderance of the evidence.

7. The role of the faculty-student disciplinary committee is to listen to the testimony, ask questions of the witnesses, review the testimony and evidence presented at the hearing and the papers filed by the parties and render a determination as to guilt or innocence. In the event the student is found guilty, the committee shall then determine the penalty to be imposed.

8. At the end of the fact-finding phase of the hearing, the student may introduce additional records, such as character references. The college may introduce a copy of the student’s previous disciplinary record, where applicable, provided the student was shown a copy of the record prior to the commencement of the hearing. The disciplinary record shall be submitted to the committee in a sealed envelope and shall not be opened until after the committee has made its findings of fact. In the event the student has been determined to be guilty of the charge or charges the records and documents introduced by the student and the college shall be opened and used by the committee for dispositional purposes, i.e., to determine an appropriate penalty if the charges are sustained.

9. The committee shall deliberate in closed session. The committee’s decision shall be based solely on the testimony and evidence presented at the hearing and the papers filed by the parties.

10. The student shall be sent a copy of the faculty-student disciplinary committee’s decision within five days of the conclusion of the hearing. The decision shall be final subject to the student’s right of appeal.

11. Where a student is represented by legal counsel the president of the college may request that a lawyer from the general counsel’s office appear at the hearing to present the college’s case.

Section 15.4 Appeals
An appeal from the decision of the faculty-student disciplinary committee may be made to the president who may confirm or decrease the penalty but not increase it. His/her decision shall be final except in the case of dismissals or suspension for more than one term. An appeal from a decision of dismissal or suspension for more than one term may be made to the appropriate committee of the board. Any appeal under this section shall be made in writing within fifteen days after the delivery of the decision appealed from. This requirement may be waived in a particular case for good cause by the president or board committees as the case may be. If the president is a party to the dispute, his/her functions with respect to an appeal shall be discharged by an official of the university to be appointed by the chancellor.

Section 15.5 Committee Structure

a. Each faculty-student disciplinary committee shall consist of two faculty members and two student members and a chairperson. A quorum shall consist of the chair and any two members. Hearings shall be scheduled at a convenient time and efforts shall be made to insure full student and faculty representation.

b. The president shall select in consultation with the head of the appropriate campus governance body or where the president is the head of the governance body, its executive committee, three (3) members of the instructional staff of that college to receive training and to serve in rotation as chair of the disciplinary committee. If none of the chairpersons appointed from the campus can serve, the president, at his/her discretion, may request that a chairperson be selected by lottery from the entire group of chairpersons appointed by other colleges. The chairperson shall preside at all meetings of the faculty-student disciplinary meetings and decide and make all rulings for the committee. He/she shall not be a voting member of the committee but shall vote in the event of a tie.

c. The faculty members shall be selected by lot from a panel of six elected annually by the appropriate faculty body from among the persons having faculty rank or faculty status. The student members shall be selected by lot from a panel of six elected annually in an election in which all students registered at the college shall be eligible to vote. In the event that the student or faculty panel or both are not elected, or if more panel members are needed, the president shall have the duty to select the panel or panels which have not been elected. No individuals on the panel shall serve on the panel for more than two consecutive years.

d. In the event that the chairperson cannot continue, the president shall appoint another chairperson. In the event that a student or faculty seat becomes vacant and it is necessary to fill the seat to continue the hearing, the seat shall be filled from the faculty or student panel by lottery.

e. Persons who are to be participants in the hearings as witnesses or have been involved in preferring the charges or who may participate in the appeals procedures or any other person having a direct interest in the outcome of the hearing shall be disqualified from serving on the committee.

Section 15.6 Suspension to Dismissal

The board reserves full power to dismiss or suspend a student, or suspend a student organization for conduct which impedes, obstructs, or interferes with the orderly and continuous administration and operation of any college, school, or unit of the university in the use of its facilities or in the achievement of its purposes as an educational institution.

The chancellor or chancellor’s designee, a president or any dean may in emergency or extraordinary circumstances, temporarily suspend a student, or temporarily suspend the privileges of a student organization or group for cause, pending an early hearing as provided in bylaw section 15.3. to take place within not more than seven (7) school days. Prior to the commencement of a temporary suspension of a student, the college shall give such student oral or written notice of the charges against him/her and, if he/she denies them, the college shall forthwith give such student an informal oral explanation of the evidence supporting the charges and the student may present informally his/her explanation or theory of the matter. When a student’s presence poses a continuing danger to person or property or an
ongoing threat of disrupting the academic process, notice and opportunity for denial and explanation may follow suspension, but shall be given as soon as feasible thereafter.

Section 15.7 The University Student Senate

There shall be a university student senate responsible, subject to the board, for the formulation of university-wide student policy relating to the academic status, role, rights and freedoms of the student. The authority and duties of the university student senate shall not extend to areas of interest which fall exclusively within the domain of the student governments of the constituent units of the university. Consistent with the authority of the board of trustees in accordance with the education law and the bylaws of the board of trustees, the university student senate shall make its own bylaws providing for the election of its own officers, the establishment of its own rules and procedures, for its internal administration and for such other matters as is necessary for its existence. The university student senate shall have the full rights and responsibilities accorded student organizations as provided in these bylaws. The delegates and alternate delegates to the university student senate shall be elected by their respective constituencies, or by their student governments from the elected members of the respective student governments.

Section 15.8 College Governance Plans

The provisions in a duly adopted college governance plan shall not be inconsistent with the provisions contained in this article.

Article XVI - Student Activity Fees and Auxiliary Enterprises

Section 16.1 Student Activity Fee

The student activity fee is the total of the fees for student government and other student activities. Student activity fees, including student government fees collected by a college of the university shall be deposited in a college central depository and, except where earmarked by the board, allocated by a college association budget committee subject to review by the college association as required in these bylaws.

Section 16.2 Student Activity Fees Use — Expenditure Categories

Student activity fee funds shall be allocated and expended only for the following purposes:

1. Extracurricular educational programs;
2. Cultural and social activities;
3. Recreational and athletic programs;
4. Student government;

5. Publications and other media;

6. Assistance to registered student organizations;

7. Community service programs;

8. Enhancement of the college and university environment;

9. Transportation, administration and insurance related to the implementation of these activities;

10. Student services to supplement or add to those provided by the university;

11. Stipends to student leaders.

**Section 16.3 Student Government Fee**

The student government fee is that portion of the student activity fee levied by resolution of the board which has been established for the support of student government activities. The existing student government fees now in effect shall continue until changed. Student government fees shall be allocated by the duly elected student government, or each student government where more than one duly elected student government exists, for its own use and for the use of student organizations, as specified in section 15.2. of these bylaws, provided, however, that the allocation is based on a budget approved by the duly elected student government after notice and hearing, subject to the review of the college association.

Where more than one duly elected student government exists, the college association shall apportion the student government fees to each student government in direct proportion to the amount collected from members of each student government.

**Section 16.4 Student Government Activity Denied**

A student government activity is any activity operated by and for the students enrolled at any unit of the university provided, (1) such activity is for the direct benefit of students enrolled at the college, (2) that participation in the activity and the benefit thereof is available to all students enrolled in the unit or student government thereof, and (3) that the activity does not contravene the laws of the city, state or nation, or the published rules, regulations, and orders of the university or the duly established college authorities.

**Section 16.5. College Association**

a. The college association shall have responsibility for the supervision and review over college student activity fee supported budgets. All budgets of college student activity fees, except where earmarked by the board to be allocated by another body, should be developed by a college association budget committee and recommended to the college association for review by the college association prior to expenditure. The college association shall review all college student activity fee, including student government fee allocations and expenditures for conformance with the expenditure categories defined in Section 16.2. of this article and the college association shall disapprove any allocation or expenditure it finds does not so conform, or is inappropriate, improper, or inequitable.
b. A college association shall be considered approved for purposes of this article if it consists of thirteen (13) members, its governing documents are approved by the college president and the following requirements are met:

1. The governing board of the college association is composed of:
   
i. The college president or his/her designee as chair.
   
   ii. Three administrative members appointed by the college president.
   
   iii. Three faculty members appointed by the college president from a panel whose size is twice the number of seats to be filled and the panel is elected by the appropriate college faculty governance body.
   
   iv. Six student members comprised of the student government president(s) and other elected students with the student seats allocated on a basis which will provide representation to each government, where more than one exists, as nearly as practicable in proportion to the student activity fees provided by the students from the respective constituencies.

2. The college association structure provides a budget committee composed of members of the governing board, at least a majority of whom are students selected in accordance with section 16.5.(b) (1)(iv) of these bylaws. The budget committee shall be empowered to receive and review student activity fee budget requests and to develop a budget subject to the review of the college association. The college association may choose to not approve the budget or portions of the budget if in their opinion such items are inappropriate, improper, or inequitable. The budget shall be returned to the budget committee with the specific concerns of the college association noted for further deliberation by the budget committee and subsequent resubmittal to the college association. If the budget is not approved within thirty (30) days those portions of the budget voted upon and approved by the college association board will be allocated. The remainder shall be held until the college association and the budget committee agree.

3. The governing documents of the college association have been reviewed by the board’s general counsel and approved by the board.

Section 16.6 Management and Disbursement of Funds

The college and all student activity fee allocating bodies shall employ generally accepted accounting and investment procedures in the management of all funds. All funds for the support of student activities are to be disbursed only in accordance with approved budgets and be based on written documentation. A requisition for disbursement of funds must contain two signatures; one, the signature of a person with responsibility for the program; the other, the signature of an approved representative of the allocating body.

Section 16.7 Revenues

All revenues generated by student activities funded through student activity fees shall be placed in a college central depository subject to the control of the allocating body. The application of such revenues to the account of the income generating organization shall require the specific authorization of the allocating body.

Section 16.8 Fiscal Accountability Handbook
The chancellor or his/her designee shall promulgate regulations in a fiscal accountability handbook, to regulate all aspects of the collection, deposit, financial disclosure, accounting procedures, financial payments, documentation, contracts, travel vouchers, investments and surpluses of student activity fees and all other procedural and documentary aspects necessary, as determined by the chancellor or his/her designee to protect the integrity and accountability of all student activity fee funds.

Section 16.9 College Purposes Fund

A college purposes fund may be established at each college and shall be allocated by the college president. This fund may have up to twenty-five (25) percent of the unearmarked portion of the student activity fee earmarked to it by resolution of the board, upon the presentation to the board of a list of activities that may be properly funded by student activity fees that are deemed essential by the college president.

Expenditures from the college purposes fund shall be subject to full disclosure under section 16.13. of these bylaws.

Referenda of the student body with respect to the use and amount of the college purposes fund shall be permitted under the procedures and requirements of section 16.12. of these bylaws.

Section 16.10 Auxiliary Enterprise Board

a. The auxiliary enterprise board shall have responsibility for the oversight, supervision and review over college auxiliary enterprises. All budgets of auxiliary enterprise funds and all contracts for auxiliary enterprises shall be developed by the auxiliary enterprise budget and contract committee and reviewed by the auxiliary enterprise board prior to expenditure or execution.

b. The auxiliary enterprise board shall be considered approved for the purposes of this article if it consists of at least eleven (11) members, its governing documents are approved by the college president and the following requirements are met:

1. The governing board is composed of the college president or his/her designee as chair, plus an equal number of students and the combined total of faculty and administrative members.

2. The administrative members are appointed by the college president.

3. The faculty members are appointed by the college president from a panel whose size is twice the number of seats to be filled and the panel is elected by the appropriate college faculty governance body.

4. The student members are the student government president(s) and other elected students and the student seats are allocated on a basis which will provide representation to each government, where more than one exists, as nearly as practicable, in proportion to the student enrollment by headcount from the respective constituencies.

5. The auxiliary enterprise board structure provides for a budget and contract committee composed of a combined total of faculty and administrative members that is one more than the number of student members. The budget and contract committee shall be empowered to develop all contract and budget allocation proposals subject to the review and approval of the auxiliary enterprise board.

6. The governing documents of the auxiliary enterprise board have been reviewed by the board’s general counsel and approved by the board.
Section 16.11 The Review Authority of College Presidents Overt Student Activity Fee Allocating Bodies and Auxiliary Enterprise Boards

a. The president of the college shall have the authority to disapprove any student activity fee, including student government fee, or auxiliary enterprise allocation or expenditure, which in his or her opinion contravenes the laws of the city, state, or nation or any bylaw or policy of the university or any policy, regulation, or order of the college. If the college president chooses to disapprove an allocation or expenditure, he or she shall consult with the general counsel and vice chancellor for legal affairs and thereafter communicate his/her decision to the allocating body or auxiliary enterprise board.

b. The president of the college shall have the authority to suspend and send back for further review any student activity fee, including student government fee, allocation or expenditure which in his or her opinion is not within the expenditure categories defined in section 16.2. of this article. The college association shall, within ten (10) days of receiving a proposed allocation or expenditure for further review, study it and make a recommendation to the president with respect to it. The college president shall thereafter consider the recommendation, shall consult with the general counsel and vice chancellor for legal affairs, and thereafter communicate his/her final decision to the allocating body as to whether the allocation or expenditure is disapproved.

c. The chancellor or his/her designee shall have the same review authority with respect to university student activity fees that the college president has with respect to college student activity fees.

d. All disapprovals exercised under this section shall be filed with the general counsel and vice chancellor for legal affairs.

e. Recipients of extramural student activity fees shall present an annual report to the chancellor for the appropriate board committee detailing the activities, benefits and finances of the extramural body as they pertain to the colleges where students are paying an extramural fee.

Section 16.12 Referenda

A referendum proposing changes in the student activity fee shall be initiated by a petition of at least ten (10) percent of the appropriate student body and voted upon in conjunction with student government elections.

a. Where a referendum seeks to earmark student activity fees for a specific purpose or organization without changing the total student activity fee, the results of the referendum shall be sent to the college association for implementation.

b. Where a referendum seeks to earmark student activity fees for a specific purpose or organization by changing the total student activity fee, the results of such referendum shall be sent to the board by the president of the college together with his/her recommendation.

c. At the initiation of a petition of at least ten (10) percent of the appropriate student body, the college president may schedule a student referendum at a convenient time other than in conjunction with student government elections.

d. Where the referendum seeks to affect the use or amount of student activity fees in the college purposes fund, the results of the referendum shall be sent to the board by the college president together with his/her recommendation.
Section 16.13 Disclosure

a. The college president shall be responsible for the full disclosure to each of the student governments of the college of all financial information with respect to student activity fees.

b. The student governments shall be responsible for the full disclosure to their constituents of all financial information with respect to student government fees.

c. The student activity fee allocating bodies shall be responsible for the full disclosure of all financial information to its membership, to the college and to the student governments with respect to all of its activities.

d. The auxiliary enterprise board shall be responsible for the full disclosure of all financial information to its membership, to the college and to the student governments with respect to auxiliary enterprises.

e. For purposes of the foregoing paragraphs, full disclosure shall mean the presentation each semester of written financial statements which shall include, but need not be limited to, the source of all fee income by constituency, income from other sources creditable to student activity fee accounts, disbursements, transfers, past reserves, surplus accounts, contingency and stabilization funds. Certified independent audits performed by a public auditing firm shall be conducted at least once each year.

Section 16.14 Stipends.

The payment of stipends to student leaders is permitted only within those time limits and amounts authorized by the board.

Centers, Institutes, Theatres, and Galleries

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- Research Centers and Institutes
- Performing and Fine Arts Venues

Research Centers and Institutes

Brookdale Health Science Center

425 East 25th Street, New York, NY 10010

Brookdale Center on Healthy Aging and Longevity

13th Floor North
http://www.brookdale.org/index.htm
(212) 481-3780
Executive Director: Marianne C. Fahs
mfahs@hunter.cuny.edu
The Brookdale Center on Healthy Aging and Longevity, established in 1974, is the largest multidisciplinary academic gerontology center in the tri-state area. The center has an operating budget of $3 million and is supported by funding from Hunter College, grants from philanthropic and corporate foundations, grants and contracts from federal, state and local governments and contributions from the general public.

The work of the center addresses the needs of all older people, with particular attention to lower-income, minority or frail aged persons. Current projects address legal rights of older people, support for people with Alzheimer’s disease, issues of grandparents caring for young children and various policy issues affecting older populations.

**Center on Community and Urban Health**

8th Floor  
http://www.hunter.cuny.edu/schoolhp/centers/comm_urb/index.htm  
(212) 481-7672  
Executive Director: Beatrice J. Krauss  
bkrauss@hunter.cuny.edu

The Center on Community and Urban Health seeks to help New York City community organizations and human service agencies to develop effective programs for health-related issues affecting urban communities such as HIV/AIDS, substance abuse, tuberculosis, violence, asthma and related threats to health. By providing training, helping in program development and conducting research and evaluation, the center enables communities that have been most adversely affected by these intersecting epidemics to mobilize for health. Current projects are based in city jails, public high schools, community organizations and after-school programs. The center is funded by several private foundations and grants from city, state and federal governments.

**Center for Occupational and Environmental Health**

7th Floor  
http://www.hunter.cuny.edu/health/coeh/  
(212) 481-8790  
Co-Directors: Andrew Burgie  
andrew.burgie@hunter.cuny.edu,  
David Kotelschuck  
dkotelsch@hunter.cuny.edu

The Hunter College Center for Occupational and Environmental Health was established in 1986 to improve workplace and environmental health by assisting worker and community efforts to understand and ameliorate hazardous conditions. The center conducts training classes to assist labor unions, government agencies and other groups to strengthen their capacity to respond to workplace hazards; assists communities in addressing urban environmental concerns; and sponsors graduate student internships in occupational and environmental health.

Current areas of interest and study include asbestos, lead poisoning, hazardous waste and materials, asthma, air pollution, ergonomics and public health policy. The Center for Occupational and Environmental Health is funded by federal and state grants, labor unions and private foundations.

**The Center for Study of Gene Structure and Function**

315 Hunter North; http://genecenter.hunter.cuny.edu/  
(212) 650-3957
The Center for Study of Gene Structure and Function (Gene Center) was established in 1985. The Center is comprised of 46 research faculty who are biologists, biological anthropologists, chemists, biophysicists and biopsychologists. Their work ranges from the structure and interactions of biomolecules to the regulation of genomes by stimulatory molecules. The Gene Center is supported by a major grant from the Research Centers in Minority Institutions Program of the National Center for Research Resources, an agency of the National Institutes of Health. The City University of New York and Hunter College are co-funders of the Center.

Areas of investigation at the Gene Center include:

- Bioinformatics
- Biological anthropology
- Biomolecular theory and computer graphics
- Biophysics
- Biopsychology
- Drug design and synthesis
- Drug protein interaction with nucleic acids
- Gene expression and signal transduction
- Genomics
- Molecular immunology
- Nanotechnology
- Neurobiology
- Psychology
- Public health policy and interdisciplinary urban health research
- Structural biology

The Gene Center supports state-of-the-art core research facilities, including:

- Animal Care
- Digital Bioimaging with Confocal Microscopy
- Fluorescence Activated Cell Sorting
- Genomics
- Internet2
- Nuclear Magnetic Resonance
- X-ray Diffraction

The Gene Center has made significant contributions to research in diseases that disproportionately affect minority populations - such as stroke, drug addiction, cancer and AIDS. Gene Center scientists have been recognized for their outstanding research in these areas, receiving distinguished awards such as the Ameritec Prize for Paralysis Research and the Presidential Early Career Awards for Scientists and Engineers. The Gene Center is also committed to recruiting outstanding faculty, postdoctoral fellows and pre-doctoral graduate students, with special efforts to identify underrepresented minority scientists.

**The Center for Puerto Rican Studies**

(Centro de Estudios Puertorriqueños)
Administrative Office: 1429 Hunter East; (212) 772-5688
Interim Director: Dr. Anthony De Jesús
http://www.centropr.org

The Centro de Estudios Puertorriqueños/Center for Puerto Rican Studies (Centro) is a university-based research institute whose mission consists of two components. One is to collect, preserve and provide access to archival and library resources documenting the history and culture of Puerto Ricans. The other is to produce, facilitate and disseminate interdisciplinary research about the diasporic experiences of Puerto Ricans and to link this scholarly inquiry to social action and policy debates.
Founded in 1973 by a coalition of faculty, students and community leaders, Centro seeks to achieve its mission by working closely with a network of education, research, archival, advocacy and community-based partners. Centro has been housed at Hunter College since 1983; however, it is a CUNY-wide research center. Centro staff guide and mentor Latino and other students, assist and advise community organizations and other research institutions and serve on local, national and international committees concerned with issues of social, economic, educational and cultural policy. In addition, CUNY faculty and staff with interests in Puerto Rican and Latino studies are invited to affiliate with Centro, where they utilize its extensive resources. Centro has been a founding member of the Inter-University Program for Latino Research (IUPLR) since 1989. The IUPLR, currently composed of 23 affiliate centers, is the most extensive consortium of Latino research centers in the United States. As a university-based Puerto Rican research center, Centro staff and researchers are interested in a comprehensive understanding of the Puerto Rican diasporic experience in the U.S. and in relevant socioeconomic and historical aspects regarding Puerto Rico. Given its history and role within CUNY, the Centro is particularly interested in New York’s Puerto Rican and ethnic communities. The following are research areas of current interest and attention in the Centro: history and political economy, migration, race, class, gender and sexuality, education, community development, political and human rights, public policy and political participation and cultural and literary studies. This list reflects the current combination of staff strengths and expertise, as well as the academic, community and policy networks the Centro has developed. Given the changing needs in Puerto Rican communities, in academia and in the Centro’s staff, the areas of current interest are reviewed periodically.

**Library and Archives** The Centro Library and Archives is devoted to collecting, preserving and providing access to resources documenting the history and culture of Puerto Ricans. The collections include books, newspapers, periodicals, audio and video tapes, manuscripts, photographs, prints and recorded music. The library and archives provides services and programs to the scholarly community as well as the general public. The library and archives facilitates access to its holdings through mail and telephone services, City University’s online public catalog CUNY+, participation in national computerized databases and through the publication of finding aids. The library and archives promote the study of Puerto Rican history and culture through exhibitions and other public programs. The Centro Archives division collects, preserves and makes available for research unique primary materials that document the history and culture of the Puerto Rican diaspora with a concentration on New York City. The holdings include personal papers, records of organizations and institutions, photographic collections, broadsides, programs and ephemera. Among the collections are the records of civil rights organizations, the papers of activists, writers, artists, scholars, educators and elected officials. A highlight of the holdings is the extensive records of the offices of the Government of Puerto Rico in the U.S. Special features of the Archives include its photographic holdings, art prints/posters by artists from New York and Puerto Rico and sound recordings of Puerto Rican popular music. Finding aids and guides are available for processed collections and are online on the Centro Web site. The Archives are open five days per week by appointment. Now in its fifteenth year of publication, the CENTRO journal is one of the Centro’s most important links to the public. A multidisciplinary, bilingual, refereed publication that welcomes scholarly articles in the humanities and the social and natural sciences, as well as interpretive essays, interviews, fiction, reviews and art, CENTRO reflects developments in the field of Puerto Rican studies. Although primarily an academic publication directed at disseminating the body of scholarship on Puerto Rico and Puerto Ricans, the journal retains elements of its earlier incarnation, publishing work in a variety of formats. The journal encourages a dialogue that compares Puerto Ricans with other racialized ethnic groups, particularly other Latinos and African Americans. CENTRO is available by subscription or, as with all of our publications, directly from our offices.

The Centro exchange programs, Intercambio and CUNY Caribbean, promote institutional, faculty and student intellectual and scientific exchange with academic institutions in the Caribbean and Puerto Rico. Since its inception the programs have focused on strengthening institutional links between the City University of New York and higher education and research institutions in the Caribbean through academic and cultural exchanges and scholarly collaboration. The Centro exchange programs have facilitated research and other academic/cultural activities for more than three hundred faculty and students.

**Performing and Fine Arts Venues**

**The Kaye Playhouse**
The Kaye Playhouse originally dedicated in 1943 as The Playhouse at Hunter College and renovated and reopened in 1993 as the Sylvia and Danny Kaye Playhouse, serves as the centerpiece for the performing arts at Hunter College.

Each season, The Kaye hosts over 200 performances in the fields of dance, music, theatre, film, education and children’s programs, bringing an eclectic mix of cultural events to more than 100,000 theatergoers annually.

For most performances at The Kaye Playhouse, a limited number of discounted or complimentary tickets are available to Hunter students.

There are employment opportunities for Hunter students at The Kaye Playhouse, including positions as ushers and box office personnel. Call the box office at (212) 772-4448; or administrative office at (212) 772-5207.

Assembly Hall

Hunter North Lobby

The Assembly Hall is Hunter’s largest performance venue. With a seating capacity of 2,079, the hall hosts performances by the Hunter College Symphony, concerts, meetings, forums and a variety of other events. Anyone interested in reserving the Assembly Hall for an event should contact the Office of Central Reservations at (212) 772-4872.

The Frederick Loewe Theatre

Ground Floor Thomas Hunter

The Frederick Loewe Theatre is a black-box theatre that seats an audience of 110. It has the ability to accommodate proscenium or thrust stage productions and houses most of the Department of Theatre events. Box office: (212) 772-4448; administrative office: (212) 772-4227.

Ida K. Lang Recital Hall

4th Floor Hunter North

The Lang Recital Hall, a 149-seat auditorium designed by the firm of Abramowitz Kingsland Schiff, opened in Spring 1995.

This state-of-the-art facility hosts jazz concerts, chamber music ensembles and film festivals and houses most of the Department of Music graduation and faculty recitals. Artists from throughout the world have performed at the Lang. Box office: (212) 772-4448; administrative office: (212) 772-4227.

Hunter Galleries

The Bertha and Karl Leubsdorf Art Gallery, located at the 68th Street campus, Hunter West lobby, houses professionally organized exhibits that support the educational programs of the Art Department of Hunter College. The Hunter College/Times Square Gallery, located at 450 West 41st Street, is a 12,000-square-foot space used for large surveys, retrospectives and the MFA Thesis Exhibition. The entire exhibition program maximizes student and faculty
participation to expand the parameters of the graduate programs in both fine art and art history. Main campus gallery: (212) 772-4991.

**Chemistry**

Return to the Faculty of the School of Arts and Sciences

**Spiro Alexandratos**, Professor, Chemistry; BS Manhattan College, PhD California (Berkeley)

**Joseph J. Dannenberg**, Professor, Chemistry; AB Columbia, PhD Cal Tech

**Charles M. Drain**, Professor, Chemistry; BS Missouri (St. Louis), PhD Tufts

**Lynn Francesconi**, Professor, Chemistry; BA Ithaca, PhD Illinois

**Dixie Goss**, Gertrude B. Elion Professor, Chemistry; BS Nebraska Wesleyan, PhD Nebraska

**Nancy Greenbaum**, Professor, Chemistry; BA, PhD Pennsylvania

**Wayne W. Harding**, Assistant Professor, Chemistry; BS, PhD West Indies

**Akira Kawamura**, Assistant Professor, Chemistry; BS, MS Tokyo (Japan), PhD Columbia

**Frida Kleiman**, Assistant Professor, Chemistry; BS, PhD Cordoba (Argentina)

**Namby I. Krishnamachari**, Assistant Professor, Chemistry; BS Madras (India), MA Columbia, PhD CUNY

**Louis Massa**, Professor, Chemistry; BS Lemoyne, MS Clarkson, PhD Georgetown

**Hiroshi Matsui**, Professor and Chair, Chemistry; BS Sophia, MS Stanford, PhD Purdue

**Pamela Mills**, Professor, Chemistry; BS George Washington, MS, PhD Wisconsin (Madison).

**Donna McGregor**, Doctoral Lecturer, PhD CUNY

**David R. Mootoo**, Professor, Chemistry; BSc, MPhil West Indies, PhD Maryland
Gary J. Quigley, Professor, Chemistry; BA, PhD SUNY (Syracuse)

Angelo Santoro, Professor, Chemistry; BS City College, PhD Kansas

Gabriela Smeureanu, Doctoral lecturer, PhD CUNY

William V. Sweeney, Professor, Chemistry; BA Knox, MS, PhD Iowa

Yujia Xu, Assistant Professor, Chemistry; BS Lanzhou (China), PhD Connecticut

ShengPing Zheng, Assistant Professor, PhD Columbia

Return to the Department of Chemistry

City University of New York Administration

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The City University of New York

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Classical and Oriental Studies

Return to the Faculty of the School of Arts and Sciences

Arabic Studies

Christopher Reed Stone, Associate Professor, Arabic Studies, Classical and Oriental Studies; BA Haverford, MA, PhD Princeton

Alexander E. Elinson, Assistant Professor, Arabic Studies, Classical and Oriental Studies; BA Massachusetts, MA Washington, MPhil, PhD Columbia,

Chinese Studies

Der-Lin Chao, Professor, Chinese Studies, Classical and Oriental Studies; BA, MA FuJen (China), EdM Teachers College, Columbia, PhD NYU

Mary Anne Cartelli, Assistant Professor, Chinese Studies, Classical and Oriental Studies; BA Oberlin, MA, PhD Columbia

Fang Dai, Associate Professor, Chinese Studies, Classical and Oriental Studies; BA East China Normal, MA, PhD Michigan (Ann Arbor)

Wei-Yi Cheng, Lecturer, Chinese Chinese. Classical and Oriental Studies, MA New York University

Classical Studies

Ronnie Ancona, Professor, Classical Studies, Classical and Oriental Studies; BA, MA Washington, PhD Ohio State
Tamara M. Green, Professor, Classical Studies, Classical and Oriental Studies; BA, MA, PhD NYU

Adele Haft, Professor, Classical Studies, Classical and Oriental Studies; BA Brandeis, PhD Princeton

Robert B. Koehl, Professor, Classical Studies, Classical and Oriental Studies; BA Pomona, PhD Pennsylvania

Robert J. White, Professor, Classical Studies, Classical and Oriental Studies; BA Fordham, PhD Yale

Sara Pomeroy, Distinguished Professor Emerita, Classical Studies; PhD Columbia

Joanne M. Spurza, Associate Professor, Classical Studies, Classical and Oriental Studies; BA Bryn Mawr, MA, PhD Princeton

Lawrence Kowerski, Associate Professor, Classical Studies, Classical and Oriental Studies; BA Gettysburg, MA, PhD Rutgers

William J. Mayer, Lecturer, Classical Studies, Classical and Oriental Studies; BA SUNY (Albany), MA Columbia

Hebraic and Judaic Studies

Yitzhak Berger, Associate Professor, Hebraic and Judaic Studies, Classical and Oriental Studies; MA, PhD Yeshiva

Rivka Friedman, Professor, Hebraic and Judaic Studies, Classical and Oriental Studies; BA Hebrew Univ. (Jerusalem), MRE, DHL Jewish Theological Seminary

Japanese Studies

Sue A. Kawashima, Lecturer, Japanese Studies, Classical and Oriental Studies; BA, MA Columbia

Russian and Slavic Studies

Elizabeth Beaujour, Professor, Russian and Slavic Studies, Classical and Oriental Studies; BA Vassar, MA Certificate of Russian Institute, PhD Columbia

Alex E. Alexander, Professor, Russian and Slavic Studies, Classical and Oriental Studies; BA City College, MA, PhD Columbia
The Hunter College Senate

Room 1018 Hunter East

The Hunter College Senate, chartered in 1970, is the principal governance body of the college and the only such body that holds a Governance Charter with the CUNY Board of Trustees. The Senate has authority to determine college policy in matters related to:

1. Curriculum
2. Academic requirements and standards
3. Instruction and the evaluation of teaching
4. College development, including master plan
5. Computing and technology

Representatives of the faculty, student body and administration constitute the voting membership of the Senate and serve for a term of two years. The elected officers of the Senate include the chairperson, vice-chairperson, secretary and the chairperson of the Evening Council, who constitute the Senate Administrative Committee. There are 16 standing committees and a varying number of special and ad-hoc committees. These committees accomplish much of the work of the Senate. Reports and Resolutions from these committees are discussed and voted on at Senate meetings.

Membership on committees is representative and open to all faculty and students by election of the full Senate from a slate recommended by the Nominating Committee and by member nominations from the Senate floor.

Regular meetings of the Senate are planned for two hours and are held twice a month. Additional monthly meetings may be called as needed.

Election of faculty and student membership to the Senate occurs during the spring semester.

Faculty members and students are encouraged to become involved in the meetings of the Hunter College Senate and its committees.

Further information may be obtained by visiting the Senate Office.

The Faculty Delegate Assembly

Room 1414 Hunter East

The Faculty Delegate Assembly is the official faculty organization of the college. Composed of two faculty members elected from each department/school, as well as the 10 representatives of the college to the University Faculty Senate, it works closely with the president, the provost, the Hunter College Senate and the Professional Staff Congress to
maintain the academic standing of the college and to implement the suggestions of the faculty. In addition, the FDA publishes *The Faculty Voice* twice each semester and updates periodically a *Handbook for Faculty*.

### The Student Governments

**Undergraduate** Room 121 Hunter North

**Graduate** Room 218 Thomas Hunter

These elected student groups have an essential role in the life of the college by allocating the “student activity fee,” by chartering of student organizations and by serving as representatives of students on matters of college policy.

### Hunter College Ombudsman

Room 1016 Hunter East

The ombudsman is empowered by the Hunter College Governance Charter to investigate complaints and grievances by any member of the college community (student, faculty, staff, or administration) about a problem or condition in the college. When requested and where possible, the anonymity of a complainant will be protected and names will not be used in any reports the ombudsman may make.

When someone feels unfairly treated or unjustly disadvantaged, the ombudsman can advise the person of the available appeals procedures, recommend corrective action to be taken by the appropriate college officers, or recommend changes in college procedures or regulations that would eliminate such injustices in the future.

The ombudsman may be reached at (212) 772-4203.

### Faculty Personnel and Budget Committee (FP&B)

Composed of the president, the provost and the chairs of departments, FP&B is concerned with appointment, reappointment, promotion and other faculty personnel matters.

### Departmental Committees

Each department has bylaws approved by the Senate. These bylaws provide for a number of committees, most of which are open to student members. Further information is available in the appropriate departmental office.

### College Name

The official name of the college, which must be used in correspondence and on application forms for employment, admission to graduate school and transfer to other institutions, is “Hunter College of The City University of New York.” Merely referring to “The City University of New York” or “CUNY” will result in the correspondence or application being sent to the Board of Trustees, thereby causing delay in processing.

### College Regulations and Policies

Return to General Information
College Regulations

Students should be aware of the following regulations:

- Students may not have personal or business mail or telegrams addressed to them at the college.
- The college cannot deliver messages to students except in cases of grave emergency.
- If a student has a visitor, a visitor’s pass from the Office of Student Services is required.
- Students are required to present proper identification (Hunter ID Card) upon the request of any college official.
- The college does not provide a check-cashing service.
- No student or outsider may use any part of the college buildings (including bulletin boards) for soliciting or selling any merchandise without written permission from the dean of students.
- No student may be a self-appointed representative of the college.
- No pets or animals (except seeing-eye dogs) may be brought into college buildings.
- The use, possession and/or distribution of hallucinogenic drugs, barbiturates, amphetamines, narcotics and other dangerous drugs is prohibited by law and therefore by college regulations.
- Only wine and beer may be served at student sponsored functions. A representative of the sponsoring group must be present at the bar to assure compliance with the minimum drinking age.

Sexual Harassment Policy and Procedures

Sexual harassment is illegal. It is a form of sex discrimination in violation of Title VII of the 1964 Civil Rights Act, Title IX of the Education Amendments Act of 1972 and the official policy of The City University of New York. The City University of New York issued a policy in 1982 which was updated and reissued in October 1995. The policy prohibits sexual harassment of faculty, staff and students:

“It is the policy of The City University of New York to prohibit harassment of employees or students on the basis of sex. This policy is related to and is in conformity with the equal opportunity policy of the university to recruit, employ, retain and promote employees without regard to sex, age, race, color, or creed. Prompt investigation of allegations will be made to ascertain the veracity of complaints and appropriate corrective action will be taken.

“It is a violation of policy for any member of the university community to engage in sexual harassment. It is also a violation of policy for any member of the university community to take action against an individual for reporting sexual harassment.”

Hunter College adheres to CUNY policy and condemns all forms of sexual intimidation and exploitation. For the purposes of this policy, sexual harassment is defined as unwelcome sexual advances, requests for sexual favors and other intimidating verbal or written communications or physical conduct of a sexual nature.

This behavior constitutes sexual harassment when:
1. submission to such conduct is made either explicitly or implicitly a term or condition of an individual’s employment or academic standing;

2. submission to or rejection of such conduct by an individual is used as the basis for employment or academic decisions affecting that individual;

3. such conduct has the purpose or effect of unreasonably interfering with an individual’s work performance or creating an intimidating, hostile, or offensive working or learning environment.*

To implement CUNY’s policy, Hunter College created a Sexual Harassment Awareness and Intake Committee. The Committee is responsible for reviewing all complaints of sexual harassment; and for making efforts to resolve those complaints informally, if possible. When informal resolution is not possible, the Committee Coordinator and/or Deputy Coordinator will fully investigate the complaint and report the results of the investigation to the college president (and dean of students, if the accused is a student).

Any student or other member of Hunter College may report allegations of sexual harassment to any member of the Sexual Harassment Awareness and Intake Committee. The names and phone numbers of the panel members are available in the coordinator’s office and in departments and offices in the college. The complaint will be promptly investigated and will be handled as confidentially as possible. Retaliation against complainants is specifically prohibited. Students, faculty or staff who are found, following applicable disciplinary proceedings, to have violated the CUNY Policy Against Sexual Harassment are subject to various penalties, including termination of employment and permanent dismissal from the university.

Further information on the Committee is available from the Coordinator. Pamphlets on sexual harassment and the official policy and procedures, can be found in every department of the college as well as in the Committee’s office. The Committee’s Coordinator is Dean John T. Rose. In addition, the Coordinator oversees sexual harassment prevention training and can be reached as follows:

Dean John T. Rose  
Office of Diversity and Compliance  
Phone: 772-4242, Fax: 772-4724

**Equal Employment Opportunity**

Hunter College is committed to a policy of equal access and equal employment opportunity with regard to recruitment, hiring, and promotion. This policy requires that personnel decisions be made on the basis of employment qualifications without discrimination as to race, color, sex, age, religion, national origin, ancestry, lifestyle, sexual orientation, disability, or veteran status.

**Title IX**

Hunter College is committed to maintaining a fair and equal environment for both its employees and student body, consistent with the requirements of Title IX of the Education Amendments Act of 1972, which state that:

No person in the United States shall, on the basis of sex, be excluded from participation in, denied the benefits of, or be subjected to, discrimination under any education program or activity receiving Federal financial assistance…

Any individual who believes he or she has been discriminated against on the basis of gender in any area outside the purview of the Sexual Harassment Panel may direct all inquiries, concerns and complaints to Dean John T. Rose, Hunter’s Title IX Coordinator.

* These criteria are based on guidelines issued by the Office of Civil Rights, Department of Education.
Health Regulations

Health Standards The following are the general health standards for admission, readmission and continuing attendance at Hunter College:

1. The student’s health status shall not constitute a danger to any individual or group at Hunter College.
2. The health condition shall not be such that it may be aggravated or intensified by the demands of attendance at the college.
3. Any limitations of activity necessitated by a health problem shall be such that program adjustments will still enable the student to conform to the college’s academic requirements.
4. A student’s health status shall be such that the student may be expected to continue his or her college work, taking a reasonable number of hours on a continuing basis.

Immunizations Public Health Law 2165 requires college students to present a complete record of two live immunizations against measles and single immunization against mumps and rubella. Students born on or after January 1, 1957 must submit a complete immunization record signed by a health practitioner. Noncompliance will prohibit a student from registering for classes.

Meningococcal Disease Public Health Law 2167 requires institutions, including colleges and universities, to distribute information about meningococcal disease to all students meeting the enrollment criteria, whether they live on or off campus. Hunter College, CUNY, is required to maintain a record of the following for each student:

- A response to receipt of meningococcal disease and vaccine information signed by the student or student’s parent or guardian. This must include information on the availability and cost of meningococcal meningitis vaccine (Menomune).

and either

- A record of meningococcal meningitis immunization within the past 10 years.

or

- An acknowledgement of meningococcal disease risks and refusal of meningococcal meningitis immunization signed by the student or student’s parent or guardian.

Medical Records and Examinations Matriculated students (including transfer students) are required to submit a medical report by a recognized physician upon admission into certain programs. If a student’s medical report or other factors indicate a health problem, the college may require from the student’s physician a report from a medical specialist in the area of the student’s disability.

Student Physical Activity Cards Permission forms for physical education and recreational activities are obtained in the Office of Health Services, 307 Hunter North. As noted above, the prerequisite for issuance of approved cards is a completed medical report on file. These cards are valid for two years; then they must be renewed.

Athletic Program Participation Notice

The college files an annual report with the US secretary of education on intercollegiate athletics which includes information on the participation of males and females on its teams and the expenditures and revenues of those teams. Copies of the annual report on intercollegiate athletics are available at the reference desk of the library and on the college Web site.
Drug-Free Schools and Campuses, Public Law 101-226

Hunter College is in compliance with the Drug-Free Schools and Communities Act Amendments of 1989 (Public Law 101-226).

The New York State minimum drinking age (21 years) is observed at all campus functions. Proof of age is required to consume alcoholic beverages and no individual appearing to be under the influence of alcohol will be served.

All Hunter College organizations sponsoring events must, in advance of the event, agree to the following conditions:

1. No person shall sell or provide an alcoholic beverage to a person under the age of 21. Where documentation of age is unavailable or not reasonably certain, the law requires denial of an alcoholic beverage to that person.

2. No person shall sell or provide an alcoholic beverage to a person actually or apparently under the influence of alcohol.

3. No person shall sell or provide an alcoholic beverage to a person known to be a habitual excessive drinker.

4. All advertising, promotion, publicity, invitations, etc. stating the availability of alcoholic beverages at an event, must include the following statement:

The unlawful possession, use or distribution of drugs is prohibited on the campus. Violators will be subject to penalties ranging from reprimand and warning for a first infraction, to separation from the college for a subsequent offense.

Legal sanctions against students alleged to be in violation of Public Law 101-226 will be determined according to Article 15 Section 3 of the CUNY Board of Trustees Bylaws. Sanctions for members of the instructional staff and non-instructional staff will be governed by Article VII of the CUNY Board of Trustees Bylaws and Article XIV, respectively.

Assistance is available by calling:

Hunter College Emergency Medical Services – (212) 772-4801
Employee Assistance Program – (212) 772-4051
Student Services – (212) 772-4882

The Hunter College Smoking Policy

Hunter College is a non-smoking environment (facility) pursuant to New York City Law.

The City University of New York Policy on Acceptable Use of Computer Resources

Introduction

CUNY’s computer resources are dedicated to the support of the university’s mission of education, research and public service. In furtherance of this mission, CUNY respects, upholds and endeavors to safeguard the principles of academic freedom, freedom of expression and freedom of inquiry.
CUNY recognizes that there is a concern among the university community that because information created, used, transmitted or stored in electronic form is by its nature susceptible to disclosure, invasion, loss, and similar risks, electronic communications and transactions will be particularly vulnerable to infringements of academic freedom. CUNY’s commitment to the principles of academic freedom and freedom of expression includes electronic information. Therefore, whenever possible, CUNY will resolve doubts about the need to access CUNY computer resources in favor of a user’s privacy interest.

However, the use of CUNY computer resources, including for electronic transactions and communications, like the use of other university-provided resources and activities, is subject to the requirements of legal and ethical behavior. This policy is intended to support the free exchange of ideas among members of the CUNY community and between the CUNY community and other communities, while recognizing the responsibilities and limitations associated with such exchange.

### Applicability

This policy applies to all users of CUNY computer resources, whether affiliated with CUNY or not, and whether accessing those resources on a CUNY campus or remotely.

This policy supersedes the CUNY policy titled “CUNY Computer User Responsibilities” and any college policies that are inconsistent with this policy.

### Definitions

“CUNY Computer resources” refers to all computer and information technology hardware, software, data, access and other resources owned, operated, or contracted by CUNY. This includes, but is not limited to, personal computers, handheld devices, workstations, mainframes, minicomputers, servers, network facilities, databases, memory, and associated peripherals and software, and the applications they support, such as e-mail and access to the internet.

“E-mail” includes point-to-point messages, postings to newsgroups and listservs, and other electronic messages involving computers and computer networks.

### Rules for Use of CUNY Computer Resources

1. **Authorization** Users may not access a CUNY computer resource without authorization or use it for purposes beyond the scope of authorization. This includes attempting to circumvent CUNY computer resource system protection facilities by hacking, cracking or similar activities, accessing or using another person’s computer account, and allowing another person to access or use the user’s account. This provision shall not prevent a user from authorizing a colleague or clerical assistant to access information under the user’s account on the user's behalf while away from a CUNY campus or because of a disability. CUNY computer resources may not be used to gain unauthorized access to another computer system within or outside of CUNY. Users are responsible for all actions performed from their computer account that they permitted or failed to prevent by taking ordinary security precautions.

2. **Purpose** Use of CUNY computer resources is limited to activities relating to the performance by CUNY employees of their duties and responsibilities. For example, use of CUNY computer resources for private commercial or not-for-profit business purposes, for private advertising of products or services, or for any activity meant solely to foster personal gain, is prohibited. Similarly, use of CUNY computer resources for partisan political activity is also prohibited.

   Except with respect to CUNY employees other than faculty, where a supervisor has prohibited it in writing, incidental personal use of computer resources is permitted so long as such use does not interfere with CUNY
operations, does not compromise the functioning of CUNY computer resources, does not interfere with the
user’s employment or other obligations to CUNY, and is otherwise in compliance with this policy.

3. **Compliance with Law** CUNY computer resources may not be used for any purpose or in any manner that
violates CUNY rules, regulations or policies, or federal, state or local law. Users who engage in electronic
communications with persons in other states or countries or on other systems or networks may also be subject
to the laws of those other states and countries, and the rules and policies of those other systems and networks.
Users are responsible for ascertaining, understanding, and complying with the laws, rules, policies, contracts,
and licenses applicable to their particular use.

Examples of applicable federal and state laws include the laws of libel, obscenity and child pornography, as well as the
following:

- Family Educational Rights and Privacy Act
- Electronic Communications Privacy Act
- Computer Fraud and Abuse Act
- New York State Freedom of Information Law

New York State Law with respect to the confidentiality of library records Examples of applicable CUNY rules and
policies include the following:

- Sexual Harassment Policy
- Policy on Maintenance of Public Order
- Web Site Privacy Policy
- Gramm-Leach-Bliley Information Security Program
- University Policy on Academic Integrity
- Information Security policies

4. **Licenses and Intellectual Property** Users of CUNY computer resources may use only legally obtained,
licensed data or software and must comply with applicable licenses or other contracts, as well as copyright,
trademark and other intellectual property laws.

Much of what appears on the internet and/or is distributed via electronic communication is protected by
copyright law, regardless of whether the copyright is expressly noted. Users of CUNY computer resources
should generally assume that material is copyrighted unless they know otherwise, and not copy, download or
distribute copyrighted material without permission unless the use does not exceed fair use as defined by the
federal Copyright Act of 1976. Protected material may include, among other things, text, photographs, audio,
video, graphic illustrations, and computer software.

5. **False Identity and Harassment** Users of CUNY computer resources may not employ a false identity, mask
the identity of an account or computer, or use computer resources to engage in abuse of others, such as
sending harassing, obscene, threatening, abusive, deceptive, or anonymous messages within or outside
CUNY.

6. **Confidentiality** Users of CUNY computer resources may not invade the privacy of others by, among other
things, viewing, copying, modifying or destroying data or programs belonging to or containing personal or
confidential information about others, without explicit permission to do so. CUNY employees must take
precautions to protect the confidentiality of personal or confidential information encountered in the
performance of their duties or otherwise.

7. **Integrity of Computer Resources** Users may not install, use or develop programs intended to infiltrate or
damage a computer resource, or which could reasonably be expected to cause, directly or indirectly,
excessive strain on any computing facility. This includes, but is not limited to, programs known as computer
viruses, Trojan horses, and worms. Users should consult with the IT director at their college before installing
any programs that they are not sure are safe.
8. **Disruptive Activities** CUNY computer resources must not be used in a manner that could reasonably be expected to cause or does cause, directly or indirectly, unwarranted or unsolicited interference with the activity of other users. This provision explicitly prohibits chain letters, virus hoaxes or other intentional e-mail transmissions that disrupt normal e-mail service. Also prohibited are spamming, junk mail or other unsolicited mail that is not related to CUNY business and is sent without a reasonable expectation that the recipient would welcome receiving it, as well as the inclusion on e-mail lists of individuals who have not requested membership on the lists, other than the inclusion of members of the CUNY community on lists related to CUNY business. CUNY has the right to require users of CUNY computer resources to limit or refrain from other specific uses if, in the opinion of the IT director at the user’s college, such use interferes with efficient operations of the system, subject to appeal to the President or, in the case of central office staff, to the Chancellor.

9. **CUNY Names and Trademarks** CUNY names, trademarks and logos belong to the university and are protected by law. Users of CUNY computer resources may not state or imply that they speak on behalf of CUNY or use a CUNY name, trademark or logo without authorization to do so. Affiliation with CUNY does not, by itself, imply authorization to speak on behalf of CUNY.

10. **Security** CUNY employs various measures to protect the security of its computer resources and of users’ accounts. However, CUNY cannot guarantee such security. Users are responsible for engaging in safe computing practices such as guarding and not sharing their passwords, changing passwords regularly, logging out of systems at the end of use, and protecting private information, as well as for following CUNY’s Information Security policies and procedures. Users must report incidents of Information Security policy non-compliance or other security incidents to CUNY’s Chief Information Officer and Chief Information Security Officer, and the IT director at the affected user’s college.

11. Filtering CUNY reserves the right to install spam, virus and spyware filters and similar devices if necessary in the judgment of CUNY’s Office of Information Technology or a college IT director to protect the security and integrity of CUNY computer resources. Notwithstanding the foregoing, CUNY will not install filters that restrict access to e-mail, instant messaging, chat rooms or websites based solely on content.

12. **Confidential Research Information** Principal investigators and others who use CUNY computer resources to store or transmit research information that is required by law or regulation to be held confidential or for which a promise of confidentiality has been given, are responsible for taking steps to protect confidential research information from unauthorized access or modification. In general, this means storing the information on a computer that provides strong access controls (passwords) and encrypting files, documents, and messages for protection against inadvertent or unauthorized disclosure while in storage or in transit over data networks. Robust encryption is strongly recommended for information stored electronically on all computers, especially portable devices such as notebook computers, Personal Digital Assistants (PDAs), and portable data storage (e.g., memory sticks) that are vulnerable to theft or loss, as well as for information transmitted over public networks. Software and protocols used should be reviewed and approved by CUNY’s Office of Information Technology.

13. **CUNY Access to Computer Resources** CUNY does not routinely monitor, inspect, or disclose individual usage of its computer resources without the user’s consent. In most instances, if the university needs information located in a CUNY computer resource, it will simply request it from the author or custodian. However, CUNY IT professionals and staff do regularly monitor general usage patterns as part of normal system operations and maintenance and might, in connection with these duties, observe the contents of Web sites, e-mail or other electronic communications. Except as provided in this policy or by law, these individuals are not permitted to seek out contents or transactional information, or disclose or otherwise use what they have observed. Nevertheless, because of the inherent vulnerability of computer technology to unauthorized intrusions, users have no guarantee of privacy during any use of CUNY computer resources or in any data in them, whether or not a password or other entry identification or encryption is used. Users may expect that the privacy of their electronic communications and of any materials contained in computer storage in any CUNY electronic device dedicated to their use will not be intruded upon by CUNY except as
outlined in this policy.

CUNY may specifically monitor or inspect the activity and accounts of individual users of CUNY computer resources, including individual login sessions, e-mail and other communications, without notice, in the following circumstances:

a. When the user has voluntarily made them accessible to the public, as by posting to Usenet or a Web page;

b. When it is reasonably necessary to do so to protect the integrity, security, or functionality of CUNY or other computer resources, as determined by the college chief information officer or his or her designee, after consultation with CUNY’s chief information officer or his or her designee;

c. When it is reasonably necessary to diagnose and resolve technical problems involving system hardware, software, or communications, as determined by the college chief information officer or his or her designee, after consultation with CUNY’s chief information officer or his or her designee;

d. When it is reasonably necessary to protect CUNY from liability, or when failure to act might result in significant bodily harm, significant property loss or damage, or loss of significant evidence, as determined by the college president or a vice president designated by the president, after consultation with the Office of General Counsel and the Chair of the University Faculty Senate (if a CUNY faculty member’s account or activity is involved) or Vice Chair if the Chair is unavailable;

e. When there is a reasonable basis to believe that CUNY policy or federal, state or local law has been or is being violated, as determined by the college president or a vice president designated by the president, after consultation with the Office of General Counsel and the Chair of the University Faculty Senate (if a CUNY faculty member’s account or activity is involved) or Vice Chair if the Chair is unavailable;

f. When an account appears to be engaged in unusual or unusually excessive activity, as indicated by the monitoring of general activity and usage patterns, as determined by the college president or a vice president designated by the president and the college chief information officer or his or her designee, after consultation with CUNY’s chief information officer or his or her designee, the Office of General Counsel, and the Chair of the University Faculty Senate (if a CUNY faculty member’s account or activity is involved) or Vice Chair if the Chair is unavailable; or

g. As otherwise required by law.

In those situations in which the Chair of the University Faculty Senate is to be consulted prior to monitoring or inspecting an account or activity, the following procedures shall apply: (i) the college president shall report the completion of the monitoring or inspection to the Chair and the CUNY employee affected, who shall also be told the reason for the monitoring or inspection, except where specifically forbidden by law; and (ii) if the monitoring or inspection of an account or activity requires physical entry into a faculty member’s office, the faculty member shall be advised prior thereto and shall be permitted to be present to observe, except where specifically forbidden by law.

A CUNY employee may apply to the General Counsel for an exemption from some or all of the circumstances under which CUNY may inspect and monitor computer resource activity and accounts, pursuant to subparagraphs (a)-(f) above, with respect to a CUNY computer resource used solely for the collection, examination, analysis, transmission or storage of confidential research data. In considering such application, the General Counsel shall have the right to require the employee to affirm in writing that the computer resource will be used solely for the confidential research. Any application for exemption should be made prior to using the computer resource for the confidential research.

CUNY, in its discretion, may disclose the results of any general or individual monitoring or inspection to appropriate CUNY personnel or agents, or law enforcement or other agencies. The results may be used in college disciplinary
proceedings, discovery proceedings in legal actions, or otherwise as is necessary to protect the interests of the university.

In addition, users should be aware that CUNY may be required to disclose to the public under the New York State Freedom of Information Law communications made by means of CUNY computer resources in conjunction with university business.

Any disclosures of activity of accounts of individual users to persons or entities outside of CUNY, whether discretionary or required by law, shall be approved by the General Counsel and shall be conducted in accordance with any applicable law. Except where specifically forbidden by law, CUNY employees subject to such disclosures shall be informed promptly after the disclosure of the actions taken and the reasons for them.

The Office of General Counsel shall issue an annual statement of the instances of account monitoring or inspection that fall within categories (d) through (g) above. The statement shall indicate the number of such instances and the cause and result of each. No personally identifiable data shall be included in this statement.

See CUNY’s Web Site Privacy Policy for additional information regarding data collected by CUNY from visitors to the CUNY website at www.cuny.edu.

14. Enforcement Violation of this policy may result in suspension or termination of an individual’s right of access to CUNY computer resources, disciplinary action by appropriate CUNY authorities, referral to law enforcement authorities for criminal prosecution, or other legal action, including action to recover civil damages and penalties.

Violations will normally be handled through the university disciplinary procedures applicable to the relevant user. For example, alleged violations by students will normally be investigated, and any penalties or other discipline will normally be imposed, by the Office of Student Affairs.

CUNY has the right to temporarily suspend computer use privileges and to remove from CUNY computer resources material it believes violates this policy, pending the outcome of an investigation of misuse or finding of violation. This power may be exercised only by the President of each college or the Chancellor.

15. Additional Rules Additional rules, policies, guidelines and/or restrictions may be in effect for specific computers, systems, or networks, or at specific computer facilities at the discretion of the directors of those facilities. Any such rules which potentially limit the privacy or confidentiality of electronic communications or information contained in or delivered by or over CUNY computer resources will be subject to the substantive and procedural safeguards provided by this policy.

16. Disclaimer CUNY shall not be responsible for any damages, costs or other liabilities of any nature whatsoever with regard to the use of CUNY computer resources. This includes, but is not limited to, damages caused by unauthorized access to CUNY computer resources, data loss, or other damages resulting from delays, non-deliveries, or service interruptions, whether or not resulting from circumstances under the CUNY’s control.

Users receive and use information obtained through CUNY computer resources at their own risk. CUNY makes no warranties (expressed or implied) with respect to the use of CUNY computer resources. CUNY accepts no responsibility for the content of Web pages or graphics that are linked from CUNY Web pages, for any advice or information received by a user through use of CUNY computer resources, or for any costs or charges incurred by a user as a result of seeking or accepting such advice or information.

CUNY reserves the right to change this policy and other related policies at any time. CUNY reserves any rights and remedies that it may have under any applicable law, rule or regulation. Nothing contained in this policy will in any way act as a waiver of such rights and remedies.
Notice of Access to Campus Crime Statistics, the Campus Security Report and Information on Registered Sex Offenders

The college Advisory Committee on Campus Safety will provide upon request all campus crime statistics as reported to the U.S. Department of Education, as well as the annual campus security report. The campus security report includes:

1. the campus crime statistics for the most recent calendar year and the two preceding calendar years;
2. campus policies regarding procedures and facilities to report criminal actions or other emergencies on campus;
3. policies concerning the security of and access to campus facilities;
4. policies on campus law enforcement;
5. a description of campus programs to inform students and employees about campus security procedures and practices and to encourage students and employees to be responsible for their own security and the security of others;
6. campus crime prevention programs;
7. policy concerning the monitoring through the police of criminal activity at offcampus locations of students organizations officially recognized by the college;
8. policies on illegal drugs, alcohol and underage drinking;
9. where information provided by the State on registered sex offenders may be obtained (also see below); and
10. policies on campus sexual assault programs aimed at the prevention of sex offenses and procedures to be followed when a sex offense occurs. This information is maintained pursuant to the federal Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act.

The campus crime statistics and the annual campus security report are available at the reference desk of the library and the college Web site at http://publicsafety.hunter.cuny.edu/subpages/annualcrimereport.shtml. If you wish to be mailed copies of the campus crime statistics and the annual campus security report, you should contact Louis Mader, Director of Public Safety and Security at (212) 772-4521 and copies will be mailed to you within 10 days. The U.S. Department of Education’s Web site address for campus crime statistics is http://www.ed.gov/security/InstDetail.asp (then input the name of the school).

In accordance with the federal Campus Sex Crimes Prevention Act, registered sex offenders now are required to register the name and address of any college at which he or she is a student or employee. The New York State Division of Criminal Justice maintains a registry of convicted sex offenders and informs the college’s chief security (public safety) officer of the presence on campus of a registered sex offender as a student or employee. You main contact the college’s chief security officer, Louis Mader, Director of Public Safety and Security, B122 West, (212) 772-4521 to obtain information about Level 2 or Level 3 registered sex offenders on campus. To obtain information about Level 3 offenders, you may contact the Division’s registry Web site at http://www.criminaljustice.state.ny.us/nsor/sor_about.htm and then click on “Search for Level 3 Sex Offenders” or access the directory at the college’s public safety department or police precinct. To obtain information about Level 2 offenders, you need to contact the public safety department, local police precinct in which the offender resides or attends college, or the Division’s sex offender registry at 800-262-3257.
Procedures for Handling Student Complaints about Faculty Conduct in Academic

1. Introduction

The university and its colleges have a variety of procedures for dealing with student-related issues, including grade appeals, academic integrity violations, student discipline, disclosure of student records, student elections, sexual harassment complaints, disability accommodations, and discrimination. One area not generally covered by other procedures concerns student complaints about faculty conduct in the classroom or other formal academic settings. The university respects the academic freedom of the faculty and will not interfere with it as it relates to the content or style of teaching activities. Indeed, academic freedom is and should be of paramount importance. At the same time the university recognizes its responsibility to provide students with a procedure for addressing complaints about faculty treatment of students that are not protected by academic freedom and are not covered by other procedures. Examples might include incompetent or inefficient service, neglect of duty, physical or mental incapacity and conduct unbecoming a member of the staff.

2. Determination of Appropriate Procedure

If students have any question about the applicable procedure to follow for a particular complaint, they should consult with the chief student affairs officer. In particular, the chief student affairs officer should advise a student if some other procedure is applicable to the type of complaint the student has.

3. Informal Resolution

Students are encouraged to attempt to resolve complaints informally with the faculty member or to seek the assistance of the department chairperson or campus ombudsman to facilitate informal resolution.

4. Formal Complaint

If the student does not pursue informal resolution, or if informal resolution is unsuccessful, the student may file a written complaint with the department chairperson or, if the chairperson is the subject of the complaint, with the academic dean or a senior faculty member designated by the college president. (This person will be referred to below as the “Fact Finder.”)

   a. The complaint shall be filed within 30 calendar days of the alleged conduct unless there is good cause shown for delay, including but not limited to delay caused by an attempt at informal resolution. The complaint shall be as specific as possible in describing the conduct complained of.

   b. The Fact Finder shall promptly send a copy to the faculty member about whom the complaint is made, along with a letter stating that the filing of the complaint does not imply that any wrongdoing has occurred and that a faculty member must not retaliate in any way against a student for having made a complaint. If either the student or the faculty member has reason to believe that the department chairperson may be biased or otherwise unable to deal with the complaint in a fair and objective manner, he or she may submit to the academic dean or the senior faculty member designated by the college president a written request stating the reasons for that belief; if the request appears to have merit, that person may, in his or her sole discretion,
replace the department chairperson as the Fact Finder.

c. The Fact Finder shall meet with the complaining student and faculty member, either separately or together, to discuss the complaint and try to resolve it. The Fact Finder may seek the assistance of the campus ombudsman or other appropriate person to facilitate informal resolution.

d. If resolution is not possible, and the Fact Finder concludes that the facts alleged by the student, taken as true and viewed in the light most favorable to the student, establish that the conduct complained of is clearly protected by academic freedom, he or she shall issue a written report dismissing the complaint and setting forth the reasons for dismissal and send a copy to the complaining student, the faculty member, the chief academic officer and the chief student affairs officer. Otherwise, the Fact Finder shall conduct an investigation. The Fact Finder shall separately interview the complaining student, the faculty member and other persons with relevant knowledge and information and shall also consult with the chief student affairs officer and, if appropriate, the college ombudsman. The Fact Finder shall not reveal the identity of the complaining student and the faculty member to others except to the extent necessary to conduct the investigation. If the Fact Finder believes it would be helpful, he or she may meet again with the student and faculty member after completing the investigation in an effort to resolve the matter. The complaining student and the faculty member shall have the right to have a representative (including a union representative, student government representative or attorney) present during the initial meeting, the interview and any post-investigation meeting.

e. At the end of the investigation, the Fact Finder shall issue a written report setting forth his or her findings and recommendations, with particular focus on whether the conduct in question is protected by academic freedom, and send a copy to the complaining student, the faculty member, the chief academic officer and the chief student affairs officer. In ordinary cases, it is expected that the investigation and written report should be completed within 30 calendar days of the date the complaint was filed.

5. Appeals Procedure

If either the student or the faculty member is not satisfied with the report of the Fact Finder, the student or faculty member may file a written appeal to the chief academic officer within 10 calendar days of receiving the report. The chief academic officer shall convene and serve as the chairperson of an Appeals Committee, which shall also include the chief student affairs officer, two faculty members elected annually by the faculty council or senate and one student elected annually by the student senate. The Appeals Committee shall review the findings and recommendations of the report, with particular focus on whether the conduct in question is protected by academic freedom. The Appeals Committee shall not conduct a new factual investigation or overturn any factual findings contained in the report unless they are clearly erroneous. If the Appeals Committee decides to reverse the Fact Finder in a case where there has not been an investigation because the Fact Finder erroneously found that the alleged conduct was protected by academic freedom, it may remand to the Fact Finder for further proceedings. The committee shall issue a written decision within 20 calendar days of receiving the appeal. A copy of the decision shall be sent to the student, the faculty member, the department chairperson and the president.

6. Subsequent Action

Following the completion of these procedures, the appropriate college official shall decide the appropriate action, if any, to take. For example, the department chairperson may decide to place a report in the faculty member’s personnel file or the president may bring disciplinary charges against the faculty member. Disciplinary charges may also be brought in extremely serious cases even though the college has not completed the entire investigative process described above; in that case, the bringing of disciplinary charges shall automatically suspend that process. Any action taken by a college must comply with the bylaws of the university and the collective bargaining agreement between the university and the Professional Staff Congress.
7. Campus Implementation

Each campus shall implement these procedures and shall distribute them widely to administrators, faculty members and students and post them on the college Web site.

8. Board Review

During the spring 2009 semester, the Chancellery shall conduct a review of the experience of the colleges with these procedures, including consultation with administrators, faculty and students, and shall report the results of that review to the Board of Trustees, along with any recommended changes.

The City University of New York Medical Withdrawal and Re-Entry Policy and Procedures Governing Student Behavior that Presents a Direct Threat of Harm to Self or Others or Substantially Disrupts the Learning or Working Environment of Others

1. Introduction

The City University of New York (“CUNY”) is committed to the academic success and personal growth of its students. As part of that commitment, CUNY and its constituent campuses are responsible for providing a safe learning and working environment for students, faculty, staff and other members of the university community. Some students may, because of a medical condition, engage in behavior that presents a direct threat of harm to themselves or to others, or substantially disrupts the learning or working environment of others. In such situations, the safety and security of the campus community, including the individual student, is paramount. This policy does not replace or supersede reasonable and appropriate security and health and safety measures, such as calling 911 or taking other immediate action in case of imminent threat to life or limb.

In addition to taking action to protect the security and safety of the campus community, a college may address the student’s conduct to determine if action under this policy or under the student disciplinary process is appropriate. When a student’s conduct that directly threatens or substantially disrupts the learning or working environment of others appears to relate to a medical condition, the campus may, at its option, address the student’s conduct either in accordance with this policy, or through the student disciplinary process. If the student’s conduct constitutes a threat solely to him or herself, it should be addressed under this policy rather than the disciplinary process.

2. Policy

a. As an alternative to disciplinary action that may be taken under Article XV of CUNY’s Bylaws, a college of CUNY may bring a proceeding to require a student to withdraw from the university, or, under some circumstances, the student’s home college and/or from residence in a college residence hall under this
withdrawal policy and procedures when the student’s behavior evidences a direct threat of harm to others, or when the student’s behavior substantially disrupts the learning or working environment of others. A direct threat means a significant risk of harm to health or safety.

b. A student who threatens to commit or attempts to commit suicide, and who does not otherwise threaten direct harm to others or substantially disrupts the learning or working environment of others, shall not be subject to disciplinary action for that threat or attempt under Article XV of the CUNY’s Bylaws. If a college determines that withdrawal of the student or retention of the student subject to specified conditions is appropriate because the student’s behavior threatens direct harm to him or herself, the procedures outlined below shall apply instead of disciplinary procedures.

c. A student who withdraws or is withdrawn from the university, a college or college residence hall pursuant to this policy may apply for re-entry to the University, a college and/or to a college residence hall. The application for re-entry shall be made to the student’s home college’s Chief Student Affairs Officer, who shall determine whether the student still presents a direct threat of harm to him or herself or others or still presents a significant risk to substantially disrupt the learning or working environment of others. If the Chief Student Affairs Officer or designee determines, based on the assessment of a qualified, licensed mental health professional, that there is not a significant risk that the behavior that required withdrawal will be repeated, he or she shall approve the student’s application for re-entry.

3. Procedures

A. Emergency Interim Removal

1. If a student’s behavior presents an immediate, severe and direct threat to him or herself or others (by evidencing a likelihood of harm to him or herself or others), or is substantially disrupting the learning or working environment of others, the Chief Student Affairs Officer or designee (if such Officer is not immediately available) may direct an emergency interim removal of the student that restricts the student’s access to the College’s campus or residence hall, as appropriate, for an interim period before a final determination of the matter. The Chief Student Affairs Officer or designee shall consult with the university’s Office of the General Counsel prior to making any such direction.

2. The fact that a student has threatened to commit suicide or attempted suicide, by itself, does not allow the Chief Student Affairs Officer or designee to direct an emergency interim removal. In all cases involving such students, the Chief Student Affairs Officer or designee must attempt to have the student individually assessed by a mental health professional as outlined below in A.3. before deciding whether to direct an emergency interim removal.

3. Except as permitted in III A. 1. above, before determining whether to require an emergency interim removal, the Chief Student Affairs Officer or designee shall take the following steps:

   a. exercise all reasonable efforts to meet with the student; and

   b. in that meeting, offer the student the opportunity to be evaluated at the college’s expense by a qualified, licensed mental health professional, who may be an employee of a college of CUNY or CUNY or on retainer to a college of CUNY or CUNY. Whenever possible, that professional shall have had no prior contact with the student. The professional shall assess whether the student’s behavior presents an immediate, severe and direct threat to him or herself or others or presents a significant risk to repeat behavior that substantially disrupts the learning or working environment of others, and, if so, whether the student’s behavior may be the result of a medical issue. That professional shall present his or her findings to the Chief Student Affairs Officer or designee, who shall determine based on those findings and other evidence available whether emergency interim
removal under these procedures is appropriate.

c. If the student refuses to meet, and/or refuses to undergo such assessment or to keep a scheduled appointment, the Chief Student Affairs Officer or designee may require emergency interim removal without a meeting and/or mental health assessment if he or she reasonably concludes on the basis of the available evidence that the student’s behavior evidences an immediate, severe and direct threat of harm to the student or others or is substantially disrupting the working or learning environment of others and presents a significant risk to continue that substantial disruption. The Chief Student Affairs Officer or designee shall consult with the university’s Office of the General Counsel before making such a determination.

4. The emergency interim removal from the college and/or residence hall shall remain in effect until a final decision has been made pursuant to the procedures below, unless, before a final decision is made, the Chief Student Affairs Officer or designee determines that the reasons for imposing the interim removal no longer exist.

B. Withdrawal After Emergency Interim Removal

1. If a student has been subjected to an emergency interim removal from the college and/or residence hall, the college shall request retention with conditions or voluntary withdrawal within 7 calendar days of such removal. Should the request for retention with conditions or voluntary withdrawal request be refused, the college shall determine within 7 calendar days of such refusal whether to take further action against the student, including whether to initiate involuntary withdrawal proceedings or, disciplinary proceedings under Article XV of the CUNY Bylaws, as applicable under II A. above, and shall send notice of either such proceeding in accordance with the notice requirements of the applicable procedure within that 7-day period. For students who have been subjected to an emergency interim removal without having undergone the assessment procedures outlined in III A. 3 above, the college shall follow the assessment procedures outlined below in B.2. a. prior to determining its course of action.

2. In cases where the student has been subjected to an emergency interim removal without assessment, the procedure for determining whether withdrawal is appropriate is as follows:

   a. The Chief Student Affairs Officer or designee shall exercise best efforts to meet with the student to discuss the student’s behavior and to hear the student’s explanation of the alleged behavior. If, after hearing the explanation, the Officer or designee still wishes to consider the possibility of the student’s withdrawal, he or she shall offer the student an opportunity to be evaluated, at the college’s expense, by a qualified, licensed mental health professional, who may be an employee of a college of CUNY or CUNY, or on retainer to a college of CUNY or CUNY. Whenever possible, that professional shall have had no prior contact with the student. The professional shall make findings concerning whether the student’s behavior presents a direct threat of harm to him or herself or others or presents a significant risk to repeat behavior that substantially disrupts the learning or working environment of others and if so, whether the student’s behavior may be the result of a medical issue. The professional shall report such findings to the Chief Student Affairs Officer, who shall, based on those findings, and after consultation with the university’s Office of the General Counsel, determine the appropriate action, including whether to request that the student withdraw from the university, the college and/or the college residence hall or whether to request that the student agree to specified conditions in lieu of withdrawal.

   b. If the student refuses to undergo the requested assessment, or fails to keep the scheduled appointment, and the Chief Student Affairs Officer reasonably concludes on the basis of the available evidence that the student’s behavior presents a direct threat of harm to him or herself or others or substantially disrupts the learning or working environment of others and presents a significant risk to repeat behavior that substantially disrupts the learning or working environment of
others, the Chief Student Affairs Officer may request that the student voluntarily withdraw from the university, the college and/or the college residence hall. The Chief Student Affairs Officer shall consult with the university’s Office of the General Counsel before making any such request.

c. If the student agrees to the request for voluntary withdrawal or to the specified conditions, the Chief Student Affairs officer or designee shall (i) discuss with the student the procedures for and consequences of voluntary withdrawal or the specified conditions, as applicable; (ii) discuss the circumstances with the student’s parents or legal guardians as permissible by law and as appropriate; (iii) consult with the student’s academic adviser or department, as appropriate; (iv) consult with the residence hall director, as appropriate; (v) refer the student to appropriate resources for treatment; and (vi) advise the student concerning the process for applying for re-entry, as well as on conditions for re-entry, if applicable and appropriate.

d. If the student does not agree to the request for voluntary withdrawal or to the specified conditions, the Chief Student Affairs Officer shall determine, in consultation with the university’s Office of the General Counsel, whether to take further action against the student, including whether to initiate involuntary withdrawal proceedings, or, in the case of students referenced in II A. above, whether to initiate disciplinary proceedings under Article XV of the CUNY Bylaws.

C. Withdrawal of Students Without Emergency Interim Removal

1. Students Who Present a Direct Threat of Harm to Others or Substantially Disrupt the Learning or Working Environment of Others

a. Voluntary Withdrawal or Retention with Conditions

1. In situations where a student’s behavior evidences a direct threat of harm to himself or others or substantially disrupts the learning or working environment of others and presents a significant risk to repeat behavior that substantially disrupts the learning or working environment of others and the Chief Student Affairs Officer reasonably believes that the student’s behavior may be connected to a medical issue, the Chief Student Affairs Officer or designee may request that the student voluntarily withdraw or agree to retention under conditions.

2. If the student agrees to the request for voluntary withdrawal or to the specified conditions, the Chief Student Affairs officer or designee shall (i) discuss with the student the procedures for and consequences of voluntary withdrawal or the specified conditions, as applicable; (ii) discuss the circumstances with the student’s parents or legal guardians as permissible by law and as appropriate; (iii) consult with the student’s academic adviser or department, as appropriate; (iv) consult with the residence hall director, as appropriate; (v) refer the student to appropriate resources for treatment; and (vi) advise the student concerning the process for applying for re-entry, as well as on conditions for re-entry, if applicable and appropriate.

b. Involuntary Withdrawal

1. If the student does not agree to the request for voluntary withdrawal or to the specified conditions, the Chief Student Affairs Officer shall determine, in consultation with the University’s Office of the General Counsel, whether to take further action against the student, including whether to initiate involuntary withdrawal proceedings or disciplinary
proceedings under Article XV of the CUNY Bylaws.

2. Before initiating involuntary withdrawal proceedings under this procedure, the Chief Student Affairs Officer shall follow the assessment procedures outlined above in B.2.

2. Students Who Present a Direct Threat of Harm Solely To Themselves

   a. The College shall follow the assessment and other procedures outlined above in B.2 a.-d. in order to determine the appropriate course of action.

D. Involuntary Withdrawal Procedures

1. The following shall be the procedures for involuntary withdrawal:

   a. Notice of the involuntary withdrawal hearing and the time and place of the hearing shall be personally delivered or sent by the Chief Student Affairs Officer or designee of the student’s home college to the student at the address appearing on the records of the college, by overnight or certified mail, by regular mail, and, for students who have a college e-mail address, to that e-mail address. Notice of at least five business days shall be given to the student in advance of the hearing unless the student consents to an earlier hearing.

   b. The notice shall contain (i) a statement of the reasons involuntary withdrawal is sought (ii) the type of withdrawal sought (from the university, the college and/or from the college residence hall); and (iii) a statement that the student has a right to present his or her side of the story, to present witnesses and evidence on his or her behalf, to cross-examine witnesses presenting evidence against the student, to remain silent without assumption of guilt, and to be represented by legal counsel or an adviser at the student’s expense.

   c. CUNY shall constitute a Health Review Panel, comprised of qualified, licensed mental health professionals employed by a college of CUNY or by CUNY, or on retainer to a college of CUNY or CUNY. CUNY’s Vice Chancellor for Student Development shall appoint the members of the Health Review Panel. Members of the Health Review Panel, in committees constituted separately for each hearing (“Health Review Committee”), shall be responsible for adjudicating all involuntary withdrawal hearings held according to these procedures. For each involuntary withdrawal hearing, the Vice Chancellor for Student Development or his designee shall constitute a three-person Health Review Committee from the Health Review Panel to adjudicate at that hearing. No member of the Health Review Committee shall have had prior contact with the student. All decisions of the Health Review Committee shall be made by majority vote.

   d. The hearing shall be closed, unless the student requests an open hearing. However, the Health Review Committee may overrule a request for an open hearing if it determines that an open hearing would be inappropriate or disruptive in light of the nature of the evidence to be presented.

   e. After the evidence is presented at the hearing, the Health Review Committee shall determine whether the college has proved, by a preponderance of the evidence, that the student’s behavior presents a direct threat of harm to him or herself or others, or has substantially disrupted the learning or working environment of others and presents a significant risk of threatening further substantial disruption of the learning or working environment of others, and if so, what the appropriate remedy should be. The Health Review Committee may also set reasonable and appropriate conditions on re-entry. The decision of the Health Review Committee shall be made within five business days from the close of the hearing.
E. Appeals

An appeal from the decision of the Health Review Committee may be made to the President of the student’s home college or the President’s designee within thirty calendar days after the delivery of the decision appealed from. The President or designee shall make his or her determination on the appeal within fifteen business days from receipt of the appeal. The President’s decision may be appealed to the Chancellor of the university or his or her designee within thirty calendar days after the delivery of the President’s decision on appeal. The Chancellor or designee’s decision shall be made within fifteen business days from receipt of the appeal. The Chancellor (or designee’s) decision shall be final. The bases overturning a decision of the Health Review Committee at both levels of review are limited to the following: (i) clearly erroneous factual findings; (ii) procedural irregularities; (iii) newly available evidence that would have affected the outcome; (iv) the remedy and/or conditions on re-entry were unreasonable or inappropriate.

F. Re-entry

1. A student who is withdrawn from the university, a student’s home college and/or a college residence hall under this policy may be considered for re-entry.

2. A student wishing to be considered for re-entry should contact his or her home college’s Chief Student Affairs Officer and provide appropriate documentation of behavioral change and resolution of the initial behavioral problem, including compliance with any conditions that may have been set for re-entry.

3. A student may apply for re-entry to the university, a college and/or a college residence hall no more than one time per term.

4. In assessing an application for re-entry, the Chief Student Affairs Officer or designee shall: (i) in cases in which he or she determines that an additional mental health assessment is necessary, refer the student for assessment to a qualified, licensed mental health professional, at the college’s expense; (ii) receive, investigate, and examine appropriate relevant documentation, including assessments made by college-referred mental health professionals, and, if applicable, licensed treating mental health professionals; (iii) consult with the Health Review Committee, in cases in which the student’s withdrawal was adjudicated by such a Committee; (iv) contact the student’s parents or legal guardians as permissible by law, if appropriate; (v) provide an opportunity for the student to meet with the Chief Student Affairs Officer or designee to discuss re-entry.

5. If the Chief Student Affairs Officer or designee determines, based on the evidence presented, that there is not a significant risk that the behavior that required withdrawal will be repeated, he or she shall approve the student’s application for re-entry. In such cases, the Chief Student Affairs Officer or designee shall initiate the re-entry process, provide the student with written conditions for continued attendance, and inform any relevant administrators of the student’s re-entry.

6. If the Chief Student Affairs Officer or designee determines that the application for re-entry should be denied, he or she shall provide the student with a written explanation of the reasons for the denial and specify when the next request for re-entry may be considered.

7. A student may appeal the Chief Student Affairs Officer or designee’s denial of re-entry to the college President or designee within thirty calendar days after the delivery of the decision denying re-entry. The President or designee shall make his or her determination on the appeal within thirty calendar days from receipt of the appeal. The President’s decision may be appealed to the Chancellor of the university or his or her designee within thirty calendar days after the delivery of the President’s decision on appeal. The Chancellor or designee’s decision shall be made within thirty calendar days from receipt of the appeal. The Chancellor (or designee’s) decision shall be final. The basis for overturning a decision on appeal at either level shall be limited to a determination that the decision on re-entry was clearly erroneous.
G. Effect on Academic Status

In the event of a withdrawal pursuant to this policy, a notation of withdrawal shall appear on the student’s transcript for all classes taken during that semester. The Chief Student Affairs Officer at a student’s home college may grant a student request that, in lieu of withdrawal, a notation of incomplete shall appear on his or her transcript for classes taken during that semester if and only if there is a reasonable prospect that the student will eventually complete such classes, subject to faculty approval for each such class. Regardless of the notation that appears on a student’s transcript, the Chief Student Affairs Officer of the student’s home college shall inform the Vice Chancellor for Student Development of the student’s withdrawal in order to effectuate a hold by the University Application Processing Center on the student’s ability to transfer or otherwise seek admission to another college of CUNY.

H. Effect on Housing Status

If the student has been living in a college residence hall and will not be permitted to continue to do so, the student’s contract will be canceled and fees refunded on a prorated basis.

I. Confidentiality

The results of examinations by mental health professionals to whom students are referred for assessment at any stage in the withdrawal or readmission process shall be confidential student records, except that if the results indicate that the student presents an imminent, severe, and direct threat of harm to him or herself or others, those results may be shared with the appropriate individuals in order to attempt to prevent the occurrence of such harm. The results of these examinations shall be admissible in involuntary withdrawal hearings but shall not be admissible in disciplinary hearings, unless the student places his or her health, including mental health, at issue in a disciplinary hearing.

J. Board Review

During the fall 2009 semester, the Chancellery shall conduct a review of the experience of the colleges with these procedures and shall report the results of that review to the Board of Trustees, along with any recommended changes.

Comparative Literature

Return to the Faculty of the School of Arts and Sciences

Cristina L. Alfar, Associate Professor and Chair, English; BA, MA Cal State (Fresno), PhD Washington

Alexander E. Elinson, Assistant Professor, Arabic Division, Classical and Oriental Studies; BA Massachusetts, MA Washington, MPhil, PhD Columbia,

Paolo Fasoli, Associate Professor, Romance Languages (Italian); Dottore in Lettere Universita’ di Roma II (Italy), PhD Toronto (Canada)

Tamara M. Green, Professor and Chair, Classics Division, Classical and Oriental Studies
Elke Nicolai, Associate Professor and Chair, German; BA, MA, PhD Siegen (Germany)

Giuseppe Di Scipio, Professor and Chair, Romance Languages (Italian); BA, MA Hunter, PhD CUNY

Return to the Comparative Literature Program

Computer Science

Return to the Faculty of the School of Arts and Sciences

Felisa Vazquez Abad: BS, Universidad Nacional Autonoma de Mexico; MS, Universidad Nacional Autonoma de Mexico; Ph.D. Brown University.

Daniel I. A. Cohen, Professor, Computer Science; AB Princeton, MA, PhD Harvard, JD Columbia

Susan L. Epstein, Professor, Computer Science; BA Smith, MS NYU, MS, PhD Rutgers

Saadeddine Mneimneh: BS, American University of Beirut (Lebanon); MS, MIT; Ph.D. MIT

William Sakas, Associate Professor, Computer Science; BA Harvard, PhD CUNY

Cullen Schaffer, Associate Professor, Computer Science; BA Harvard, PhD Rutgers

Eric Schweitzer, Lecturer, Computer Science; BS, MA SUNY (Stony Brook)

Subash Shankar, Associate Professor, Computer Science; BS Virginia Tech, MS Rensselaer Polytech, PhD Minnesota

Ioannis Stamos, Associate Professor, Computer Science; Dip.CE Patras (Greece), PhD Columbia

Virginia M. Teller, Professor, Computer Science; BA Cornell, MA, PhD NYU

Stewart Weiss, Associate Professor, Computer Science; Barch Cooper Union, BA Hunter, MS, PhD NYU

Lei Xie: BS, University of Science & Technology of China; MS, Rutgers, University; Ph.D. Rutgers University.

Christina M. Zamfirescu, Professor, Computer Science; MS Bucharest (Romania), PhD Aachen (Germany)

Return to the Department of Computer Science
Courses in Human Rights

Human Rights

About the Program

The Human Rights Program examines the theory and practice of human rights, combining academic training with hands-on experience. By exploring the philosophical foundations and legal framework of human rights, as well as addressing current political, social and economic realities, the program seeks to give students the tools necessary to engage intelligently with contemporary human rights problems. Among the thorny issues students may examine are indigenous peoples' rights to natural resources, the limits of freedom of expression, the problem of corporate complicity in rights violations, the legitimacy of humanitarian intervention, and the problem of enforceability (both of economic, social, and cultural rights, and of civil and political rights).

An interdisciplinary program, the Human Rights Program offers courses in political science, anthropology, sociology and history, among other fields of study. Students may follow either of two academic tracks: a 15-credit minor in human rights, or 24-credit certificate. A key element of both tracks is the human rights internship, which gives students direct experience with the researchers, advocates, lawyers and analysts who make up the human rights movement.

Both the minor and certificate in human rights are good preparation for a career in government, at a nongovernmental organization, or in a regional or international agency. Many students may choose to go on to law school, journalism school or a graduate program. Whatever their career choice, their knowledge of human rights will make them more thoughtful and informed citizens.

Courses

Human Rights Courses

Administration and Faculty

Director of the Human Rights Program and Program Adviser:

Joanne Mariner
Roosevelt House-RH 404
212-396-6564
jmariner@hunter.cuny.edu

Program Chair:

John R. Wallach (Professor, Political Science)
212 772-5671
1721 West
jwallach@hunter.cuny.edu

Faculty

Human Rights Faculty
HR 20000 - Introduction to Human Rights: History, Discourse, Practice (W)

GER 3/B PD/D

An introduction to the study of human rights. It explores the historical, philosophical, and legal roots of human rights as a political idea and institutionalized practice. It also addressed the contested nature of human rights as an idea and practice in contemporary societies. In addition to providing an introduction to the subject, the course is a requirement for students minoring in Human Rights or pursuing a Human Rights Certificate.

In order to pursue a Human Rights minor or Certificate, a student must receive at least a B (3.0) in this course. Students should take this introductory course in their sophomore year but must take it no later than the first semester of their junior year.

This is a writing intensive course.

prereq: ENGL 12000 or equivalent; one course in ethics, political philosophy, political theory, sociological theory, or permission from the instructors.

3 hrs 3 cr.

fall and spring

HR 25000 - Human Rights Internship

This is a practicum course. It involves students participating in an organization that identifies its mission as the promotion of human rights. The aim of the course is to educate students in the practical dimension of translating human rights discourse and law into practice. The course is required for students seeking a Human Rights Certificate or a minor in Human Rights.

prereq: ENGL 12000 or equivalent; HR 20000 or equivalent

3 hrs 3 cr.

HR 26000 - Human Rights Internship Seminar (W)

This course critically evaluates the role of human rights organizations and human rights practices in determining the meaning and value of human rights.

prereq: ENGL 12000 and HR 20000
prereq or coreq: HR 25000

3 hrs 3 cr.

Offered spring 2012; not offered fall 2011

HR 35000 - Human Rights Capstone Seminar (W)

This course involves the theoretical examination of constitutive problems in the discourse and practice of human rights, especially as they would inform the composition of a human rights academic research project. It requires participating students to present their research projects in the seminar and to compose a 20-25 page research paper on a human rights topic.

This course is specifically designed for students who are pursuing a Certificate in Human Rights.

This is a writing intensive course.

prereq or coreq: HR 26000

Offered spring 2012; not offered fall 2011

Courses in Nursing
Hunter-Bellevue School of Nursing

About the School

Nursing education began at Hunter in 1943, when courses for registered nurses were added to its curriculum. In 1955, a four-year collegiate program that was a pioneer for its time — the Hunter College Program in Nursing — was launched. When the Bellevue School of Nursing closed in 1969, Hunter absorbed it to create the Hunter-Bellevue School of Nursing, now located at the college’s Brookdale Health Science Center at 425 East 25th Street in Manhattan, near Bellevue Hospital.

The Hunter-Bellevue School of Nursing is one of the largest and most prestigious nursing schools in the country. Recognized by the National League for Nursing (NLN) as a Center of Excellence in Nursing Education, the school’s programs combine liberal and professional education with a humanistic and comprehensive approach to health care.

Programs

The School of Nursing offers three pathways leading to the Bachelor of Science (nursing) degree. The undergraduate program has three pathways: the Generic Pathway, for those students who do not have an RN license; the RN Pathway, for those students who have completed a nursing program and have received or are about to receive a current RN license to practice professional nursing in New York State; and the Accelerated 2nd Degree Pathway, for those students who have already achieved a baccalaureate degree in another field of study and wish to transition into a nursing profession. Information on applying to all of our programs is available on our website at http://www.hunter.cuny.edu/nursing.

In earning the bachelor of science (nursing) degree, students in all pathways complete lower division (general education) and upper division (professional education) curriculum requirements. See Pathway pages below for specific program requirements.

Pathways

Nursing Generic Pathway

Nursing Accelerated 2nd Degree Pathway

Nursing RN Pathway

Nursing Course Listing

Courses for Hunter-Bellevue School of Nursing

Admission Requirements (all Programs)

Students are considered for admission to the Generic Pathway Program and Accelerated 2nd Degree Pathway Program for the fall semester only, and only after completing lower division courses. RN Pathway students are admitted for the fall semester. An overall college GPA of 3.0 in addition to other requirements is the minimum requirement for consideration of an application. Admission to the School of Nursing is competitive. A minimum grade of “C” must be maintained for all required science, mathematics, and nursing courses. Generic Pathway and Accelerated 2nd Degree
Pathway students must attend during the day on a full-time basis. Only matriculated Hunter College students can apply to the Generic Pathway Program. RN Pathway students may attend during the day or evening (depending on scheduling of courses) on a full- or a part-time basis. All undergraduate nursing students are assigned a faculty member who is their academic adviser and mentor throughout the program.

Licensing and Accreditation

The Hunter-Bellevue School of Nursing is accredited by the Commission on Collegiate Nursing Education (CCNE) through June 2020. Hunter-Bellevue graduates are prepared to give first-level professional nursing care in all areas of nursing practice. Graduates from the Generic and Accelerated 2nd Degree Pathway are eligible to take the National Council Licensing Examination. A student who has been convicted of a felony or misdemeanor will have to undergo investigation by the Office of Professional Discipline, which might result in licensure being withheld. The program also provides a foundation for graduate study at the master’s level, which is also offered at the School of Nursing.

Administration and Faculty

Location:

425 East 25th St.
New York, NY 10010
Web site: http://www.hunter.cuny.edu

Joan Hansen Grabe Dean of Nursing

Gail C. McCain
5th floor Brookdale Campus West
(212) 481-7596

Director of Undergraduate Programs
Generic and RN Pathways:

Catherine D’Amico
530 Brookdale Campus West
(212) 481-7598
(212) 481-4427 (fax)

Faculty

Faculty of Hunter-Bellevue School of Nursing

HEGIS Codes: 1203 (Generic); 1203.10 (RN Pathway)

NURS 20000 - Introduction to Nursing

Introduction to essential theories, concepts, and values of the nursing profession. Emphasis on understanding the practice and principles of nursing. The principles of service-learning are introduced.

prereq: completion of lower-division sequence
3 hrs 3 cr.
offered fall

NURS 31000 - Nursing I
Provides essential knowledge base for implementing the nursing process in the care of clients across the lifespan, with specific emphasis on the childbearing family. Principles of service-learning are applied.

**NURS 31200 - Nursing II**

Provides knowledge base for effective nursing care of clients from childhood through young adulthood. Community engagement learning experiences supporting the principles of service-learning are included.

**prereq:** NURS 20000, 31000, 33100  
18 hrs (4 lec, 14 lab) 8 cr.  
offered fall

**NURS 33100 - Essentials of Pharmacology**

Presents essential pharmacological information for nursing care of clients of all ages.

**prereq:** completion of lower-division sequence  
3 hrs 3 cr.

**NURS 33200 - Normal and Therapeutic Nutrition in the Nursing Process**

Presents principles of normal and therapeutic nutrition throughout the developmental life cycle.

**prereq:** lower division sequence, NURS 20000, 31000  
3 hrs 3 cr.

**NURS 34000 - Women’s Health**

PD/C  
Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.  
3 hrs 3 cr.

**NURS 34200 - Ethical Issues in Nursing Practice**

Open to RN Pathway and senior Generic Pathway students only. Examines ethical issues which arise from the practice of nursing in an interpersonal, professional, institutional and social context of diverse and competing values.  
3 hrs 3 cr.

**NURS 34300 - Patterns of Biological Disruptions**

Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span. Strongly recommended for Generic Pathway seniors.  
3 hrs 3 cr.

**NURS 34500 - HIV/AIDS: An Interdisciplinary Perspective for Health Care Providers**
Examines the impact of the HIV epidemic on the biological, psychological and social dimensions of persons affected by HIV/AIDS.

3 hrs 3 cr.

**NURS 34600 - Death and Dying**

P/D B
Provides an overview of current theories, concepts, and practices associated with death, dying and end-of-life care.

3 hrs 3 cr.

**NURS 35000 - Independent Study in Nursing**

An opportunity to explore a topic relevant to nursing which is of individual interest.

1-3 hrs 1-3 cr.

**NURS 35100 - Gender, Science and Technology**

PD/C
Explores the complex relationship between women and the sciences.

Cross-listed WGS 35100

3 hrs 3 cr.

**NURS 37900 - Nursing and Societal Forces in the Health Care Delivery System**

Open to RN Pathway students only. This is the first course in the RN Pathway curriculum and must be taken prior to or in conjunction with other required nursing courses depending on the pre/co requisites of the courses. Exploration of health care dilemmas through the integration of knowledge from nursing, social sciences and public health. Principles of service-learning are introduced.

3 hrs 3 cr.

**NURS 38000 - Nursing Research and Theory**

Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000

Prereq: for RN Pathway: NURS 37900, STAT 11300

3 hrs 3 cr.

**NURS 38100 - Health Assessment Throughout the Lifespan**

Open to RN Pathway students only. Analysis of normal patterns of wellness for individual clients with emphasis on development of assessment skills.

Prereq: CHEM 100-101 Prereq or Coreq: NURS 379

6 hrs (3 lec, 3 lab) 4.5 cr.

**NURS 38400 - Nursing Culturally Diverse Families**

PD/B
Open to RN Pathway students only. Explores the interrelationships between sociocultural factors and health care practices of families from diverse cultures as a basis for nursing practice. Principles of service-learning are reflected in the culturally competent interventions.

3 hrs 3 cr.
NURS 39998 - Urban Disaster Response and the Health Care Team

Provides the student with an understanding of the causes, prevention, and mitigation of disasters and insight into the disaster management system nationally and locally. The course will include content relevant to all disciplines in the disaster care continuum and focus on each individual health care member's role and responsibilities within these systems.

3 hrs 3 cr.

NURS 41000 - Nursing III

Provides a knowledge base for effective nursing care of middle-aged clients. Concepts and principles of service-learning are discussed and integrated into a professional practice paradigm.

prereq: NURS 20000, 31000, 31200, 33100, 33200
18 hrs (4 lec, 14 lab)8
offered fall

NURS 41200 - Nursing IV

Provides knowledge base for effective nursing care of elderly clients. Principles of service-learning are integrated into selected community experiences to promote civic engagement.

prereq: NURS 41000
18 hrs (4 lec, 14 lab)8
offered spring

NURS 41900 - Nursing Management and Leadership in the Health Care System

Study of principles of nursing management, leadership, and research processes in health care system.

prereq: NURS 20000, 31000, 31200, 33100, 33200
2 hrs 2
offered spring

NURS 42000 - Nursing Leadership and Management (A2DP)

Open to Accelerated 2nd Degree students only. Study of principles of nursing management, leadership and roles in health care systems.

prereq: NURS 20000, 31000, 31200, 33100, 33200, 34300, 38000
coreq: NURS 41200
3 hrs 3 cr.

NURS 42100 - Nursing and Society

Analysis of issues and trends in nursing and health care from societal perspective, including opportunities for collaborative practice through service-learning.

prereq: NURS 20000, 31000, 31200, 33100, 33200, 41000, 41900
2 hrs 2
offered spring

NURS 44000 - Stress Management for Nurses
An overview of stress and its effect upon behavior within the framework of the holistic man-wellness model.

3 hrs3 cr.

**NURS 44100 - Selected Studies in Nursing Research**

Honors course. Utilization of basic knowledge in nursing research to critique and interpret studies and discuss their relevance and application in nursing.

*prereq: NURS 31000, 31200, 33100, 33200, 38000, 38100

3 hrs3 cr.

**NURS 44200 - Nursing Care of Acute and Critically Ill Clients**

Examination of nursing knowledge and roles in caring for acute and critically ill clients and their families.

3 hrs3 cr.

**NURS 44500 - Teaching-Learning Across the Developmental and Health Continua**

Pedagogical/andrological principles of learning and instruction to enhance client teaching in the promotion, maintenance and/or restoration of health.

3 hrs3 cr.

**NURS 45000 - Computer Concepts and Application in Nursing**

Study of computing concepts, principles, practices, and applications in nursing and health care.

3 hrs3 cr.

**NURS 48000 - Promotion of Wellness in the Community**

Open to RN Pathway students only. Examination of family and community patterns as they relate to individual clients of all ages. Principles of service-learning are used in community-based clinical experiences to promote civic engagement.

*prereq: NURS 37900, 38100, 38400

7.5 hrs (3 lec, 4.5 practicum)4.5 cr.

**NURS 48200 - Advancement of Roles and Relationships in Professional Nursing**

Open to RN Pathway students only. Explores the roles and relationships in nursing with a focus on leadership as the key to the professionalism of nursing. Principles of service-learning are reflected in the ongoing development of the professional role. This is the last course in the RN Pathway Program.

*prereq: NURS 37900or coreq: NURS 38000, 38100, 38400, 48000

3 hrs3 cr.

**NURS 48300 - Politics of Health**

An analysis of the relationships between politics and health status, health services and health care providers.

3 hrs3 cr.

**Courses in Public Policy**
Public Policy

About the Program

The Program in Public Policy is an 18-credit undergraduate minor open to students in all disciplines. Students also have an option to pursue 9 additional credits (for a total of 27 credits) to receive a Certificate in Public Policy upon graduation. The Roosevelt House program is based on the understanding that the preparation of informed citizens is essential to a healthy democracy and an important aspect of a liberal arts education. Unlike most graduate programs in public policy that are designed to prepare people for careers in the public and nonprofit sectors, the undergraduate program at Roosevelt House provides students with knowledge and skills that enable them to be active participants in a democratic society. Many of its graduates will undoubtedly go on to careers in the public and nonprofit sectors. Capable citizenship, however, is required in all walks of life; therefore the program can benefit all students regardless of their stated major, career goals, or personal objectives. To enroll in the public policy minor (18 credits) or certificate (27 credits), a student must have completed at least 45 credits of undergraduate study, with a minimum G.P.A. of 3.0.

Courses

Courses in Public Policy

Administration and Faculty

Director:

Joseph P. Viteritti
(212) 772-5597
jviter@hunter.cuny.edu

Faculty

Public Policy Faculty

Public Policy

The Program in Public Policy is an 18-credit undergraduate minor open to students in all disciplines. Students also have an option to pursue 9 additional credits (for a total of 27 credits) to receive a Certificate in Public Policy upon graduation. The Roosevelt House program is based on the understanding that the preparation of informed citizens is essential to a healthy democracy and an important aspect of a liberal arts education. Unlike most graduate programs in public policy that are designed to prepare people for careers in the public and nonprofit sectors, the undergraduate program at Roosevelt House provides students with knowledge and skills that enable them to be active participants in a democratic society. Many of its graduates will undoubtedly go on to careers in the public and nonprofit sectors. Capable citizenship, however, is required in all walks of life; therefore the program can benefit all students regardless of their stated major, career goals, or personal objectives. To enroll in the public policy minor (18 credits) or certificate (27 credits), a student must have completed at least 45 credits of undergraduate study, with a minimum G.P.A. of 3.0.
Minor in Public Policy

An 18-credit undergraduate minor in public policy is open to students in all disciplines.

Core Requirements

PUPOL 10000 - Introduction to Public Policy

An interdisciplinary introduction to public policy utilizing the literature and tools of a variety of social science disciplines. This course introduces students to basic concepts and approaches in public policy. It will acquaint students with public policy as a field of study, the basic elements of the policy making process, and distinct modes for analyzing public policy and its outcomes. It will be team-taught by faculty from at least two related social science disciplines.

Writing Requirements: This course will require 20 to 25 pages of writing in the form of two take home essay examinations (4-5 pages each), a proposal for a final paper (3-5), and a final paper (8-10 pages).

Open only to students enrolled in the program. Cannot be used to fulfill any other requirements.

This course is taken at the state of the art Roosevelt House.

prereq: declaration of a minor/certificate in Public Policy and a minimum GPA requirement of 3.0
3 hrs 3 cr.

PUPOL 40000 - Capstone Seminar

This writing intensive course is the culminating experience in the Public Policy minor/certificate. It provides students with an opportunity to apply the knowledge and skills acquired in their other courses to a specific policy problem. An interdisciplinary course, it will require students to make an inquiry into a specific policy problem. The project will be overseen jointly by a faculty adviser who specializes in the substantive area of public policy chosen and another faculty adviser in the program by writing a formal paper.

Each student will write an appropriately revised 5-7 page research proposal and a 20-25 page research paper involving primary research.

These courses are only open to students enrolled in the program. They cannot be used to fulfill any other requirements.

This course is taken at the state of the art Roosevelt House.

prereq: Students must have completed 45 credits, have a declared major, and a cumulative GPA of 3.0 or higher.
3 hours 3 credits

One Course in Economic Analysis

ECO 20000 - Principles of Economics: Microeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

One Course in Quantitative Analysis

ECO 22100 - Economic Statistics I

GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.
prereq: MATH 12500 or exemption from the course
3 hrs3 cr.

**POLSC 20600 - Research Design in Political Science (W)**

GER 3/B
Public opinion surveys, content analysis, legislative roll-call analysis, census data, election returns. Introduction to statistics. Uses Social Science Data Lab.
prereq: passing college proficiency exam in math or perm instr; ENGL 12000 or its equivalent
3 hrs3 cr.

**SOC 24000 - Introduction to Research Methods**

GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.
prereq: SOC 10100
3 hrs3 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

One Course in Normative, Ethical, and Value Analysis. Such courses include but are not limited to:

**PHILO 10600 - Philosophy, Politics and Society**

GER 2/C PD/D
Introduction to social and political philosophy.
3 hrs3 cr.
offered each semester

**PHILO 24400 - Moral Philosophy (W)**

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

**PHILO 10400 - Introduction to Ethics**

GER 2/C
Examination of standards of right conduct and the good life through study of selected philosophical classics.
3 hrs3 cr.
offered each semester
SOC 21800 - Social Inequality

GER 3/B
Examination of social inequality in contemporary society from various empirical and theoretical perspectives focusing on class, ethnic, gender, and other determinants of stratification.

prereq: SOC 10100
3 hrs 3 cr.

POLSC 31100 - Utopian Theory (W)

GER 3/B
Political theorists often imagine ideal worlds, both to explore ideals and to criticize political realities. This course will explore utopias and dystopias as theories that explore political possibilities and challenge existing realities.

prereq: ENGL 12000 or its equivalent; one course in political theory or perm dept.
3 hrs 3 cr.

POLSC 30500 - Democratic Theory (W)

GER 3/B
A critical survey of different conceptions of democracy: issues include democracy as a political order, democracy and 'non-political' forms of life (e.g., business, family, religion), toleration, political representation, democracy and justice.

prereq or coreq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs 3 cr.

Substantive Policy Specialization

For the Public Policy Certificate each student will take the 6 core courses (18 credits) and will be required to declare a substantive area of specialization comprised of 3 courses (9 credits) of additional course work. These may be grounded in a particular discipline or disciplines. Or a student may use the substantive specialization to take advantage of clusters of expertise that exist across several Hunter departments. Examples of the latter include (but are not limited to) immigration, health, aging, gender studies, macroeconomics, public finance, economic development, race and ethnicity, public law, human rights, ethics, international relations, international trade, education, urban affairs, environmental studies, employment, and social services. Courses designated for the substantive specialization need approval by the faculty advisor.

Additional Opportunities

Hunter College offers other unique opportunities to its students. These options are designed to enrich the student experience in policy curriculum.

Generic Policy Courses

Advanced courses which build on the knowledge and skills acquired in the core courses and are applicable to students in a wide range of substantive specializations.

Internships
Undergraduate internship programs currently exist in a number of academic departments which are designed to give students a chance to work in a policy-related institutional setting outside the university, either in a government agency, nonprofit, think tank, or advocacy group. Some carry compensation, others are voluntary.

Policy Colloquia

A colloquium series will be launched at Roosevelt House that will allow students and faculty to come together several times a semester to discuss public policy issues. Guest speakers, including scholars and practitioners, with relevant expertise will be invited to discuss topics of the day either individually or in panels.

Public Policy

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Open only to students enrolled in the program. Cannot be used to fulfill any other requirements.
This course is taken at the state of the art Roosevelt House.

prereq: declaration of a minor/certificate in Public Policy and a minimum GPA requirement of 3.0
3 hrs3 cr.

PUPOL 40000 - Capstone Seminar

This writing intensive course is the culminating experience in the Public Policy minor/certificate. It provides students with an opportunity to apply the knowledge and skills acquired in their other courses to a specific policy problem. An interdisciplinary course, it will require students to make an inquiry into a specific policy problem. The project will be overseen jointly by a faculty adviser who specializes in the substantive area of public policy chosen and another faculty adviser in the program by writing a formal paper. Each student will write an appropriately revised 5-7 page research proposal and a 20-25 page research paper involving primary research.

These courses are only open to students enrolled in the program. They cannot be used to fulfill any other requirements.
This course is taken at the state of the art Roosevelt House.
prereq: Students must have completed 45 credits, have a declared major, and a cumulative GPA of 3.0 or higher.
3 hours3 credits

Courses in Thomas Hunter Honors Program

Thomas Hunter Honors Program

Thomas Hunter Honors Program
The interdisciplinary Thomas Hunter Honors Program provides some outstanding undergraduate students with a course of study suited to their individual needs and interests. Students selected for the Thomas Hunter Honors Program must show evidence of high academic potential, interdisciplinary interests and intellectual curiosity, as well as the willingness to explore unfamiliar fields and to accept challenges.

Students may apply for admission to the program on their own or they may be invited to participate in recognition of their outstanding academic records. Many graduates of the Thomas Hunter Honors Program go on to PhD programs in the various arts and sciences, or to law, medical and other professional schools. Others choose careers in a wide variety of professional, artistic and business fields.

**College Requirements**

The Thomas Hunter Honors Program requires that students maintain breadth in their programs, create a significant pattern of courses in at least two academic areas of investigation (Humanities and Arts, Social Sciences, Sciences and Mathematics), including at least one laboratory science course. All programs must be approved every semester by a Council adviser.

Students must also fulfill the following graduation requirements: ENGL 120; Pluralism and Diversity; and, for those entering Hunter in fall 2001 or later, the Foreign Language Requirement. Note that all colloquia in the 200 or 300 series are “W” courses.

**Courses**

Courses in Thomas Hunter Honors Program

**Administration and Faculty**

**Program Coordinator:**

Sarah R. Jeninsky  
(212) 772-4127  
sarah.jeninsky@hunter.cuny.edu

**Program Office:**

1421 West  
(212) 772-4127  
Web site: http://sapientia.hunter.cuny.edu

**Faculty**

Thomas Hunter Honors Program Faculty

**Honors**

Thomas Hunter Honors Program
Major

Students in the Thomas Hunter Honors Program who wish to design an interdisciplinary major for themselves may do so in consultation with the appropriate Council adviser. The final transcript of such students designates the major as “Special Honors Curriculum.” Most students in the Thomas Hunter Honors Program, however, also elect to fulfill the requirements for a specific departmental major. These students abide by departmental criteria for the major and minor, and are expected to pursue departmental honors in their major. Their final transcript records the major as Special Honors Curriculum/Specific Department. Whatever their major concentration, all students in the Program must also successfully complete three special interdisciplinary honors colloquia (see further on) and maintain a cumulative grade point average of 3.5 or better until their final certification into the Program. Certification usually occurs in the student’s junior year, when the Council, ruling on each case individually, decides that the student’s continuing academic distinction and promise of future productivity warrant permanent membership in the Thomas Hunter Honors Program.

Thomas Hunter Honors Program students meet regularly in 200-level and 300-level colloquia, led by members of the Council on Honors and by other invited members of the faculty. Students take a minimum of three colloquia, one of which must be at the 200-level, and one of which must be at the 300-level. While the specific content of these courses varies from semester to semester, the underlying principles remain the same.

The 200-level colloquium is taught by one professor, often a member of the Council on Honors, who studies a specific theme using the materials and methodologies of at least two disciplines. Students may take more than one of these colloquia if they so desire, but at least one must be taken during their first year in the Program. The 300-level honors colloquia are special seminars, usually conducted by two professors, devoted to topics lending themselves to broad interdisciplinary investigation.

The colloquia offer breadth of exposure, but, even more importantly, they seek to demonstrate how knowledge gained from a variety of disciplines can be related and integrated in an effort to understand complex processes and phenomena. In all colloquia, students write at least one major paper, in which they apply the methodology of the course to material of particular interest to them.

Upon completion of 90 credits, Thomas Hunter Honors students may also be admitted by the Council to Advanced Interdisciplinary Studies, with the opportunity of engaging in advanced independent study under the Council’s supervision. A thesis or other appropriate report of the results of the student’s research is presented to the Council.

Thomas Hunter Honors Program

HONS 20100 - Sophomore Honors Colloquium (W)

PD/D
Sample topics: Integrating the Irrational; Dante's World; Language, Learning, and Computation; Law and Literature; The Gothic; Ethics in Public Health. May be taken more than once with different topics. Some topics may meet a PD requirement; check with adviser.
prereq: perm dept.
3 hrs 3 cr.

HONS 30100 - Upper-Level Honors Colloquium (W)

PD/D
Sample topics: Behavior and Evolution; Greek Myth in the Arts; Energy and Environment; Politics of Southern Africa. May be taken more than once with different topics. Some topics may meet a PD requirement; check with adviser.
I. POLICY STATEMENT

The City University of New York seeks to create and maintain a safe environment in which all members of the University community—students, faculty and staff—can learn and work free from the fear of sexual assault and other forms of violence. The University’s policies on Workplace Violence and Domestic Violence and the Workplace apply to all acts of violence that occur in the workplace or that may spill over into the workplace. The University’s Sexual Harassment Policy prohibits many forms of unwelcome conduct, including but not limited to, physical conduct of a sexual nature. This policy is specifically directed towards sexual assault, domestic and intimate partner violence and stalking committed against students on and off-campus.

CUNY wants all victims of sexual assault, stalking and domestic and intimate partner violence to know that the University has professionals and law enforcement officers who are trained in the field to assist student victims in obtaining help, including immediate medical care, counseling and other essential services. If the alleged perpetrator is also a member of the CUNY community, the college will take prompt action to investigate, and, where appropriate, to discipline and sanction the alleged perpetrator. CUNY urges all victims to seek immediate help in accordance with the guidelines set forth in this policy with the assurance that all information received from a complaint will be handled as confidentially as possible.

In order to eliminate sexual assaults and other forms of violence perpetrated against students, and to create a safe college community, it is critical to provide an appropriate prevention education program and have trained professionals to provide vital supportive services.

Accordingly, CUNY is committed to the following goals:

• Providing clear and concise guidelines for students to follow in the event that they or someone they know have been the victim of a sexual assault, domestic/intimate partner violence, or stalking.
• Assisting victims of sexual assault or abuse in obtaining necessary medical care and counseling, whether on or off-campus.

• Providing the most informed and up-to-date education and information to its students about how to identify situations that involve sexual assault, domestic and intimate partner violence, or stalking, and ways to prevent these forms of violence.

• Educating and training all staff members, including counselors, public safety officers and student affairs staff and faculty, to assist victims of sexual assault, domestic/intimate partner violence, or stalking.

• Ensuring that disciplinary procedures are followed in the event that the alleged perpetrator is a CUNY student or employee.

II. PROCEDURES FOR REPORTING INCIDENTS OF SEXUAL ASSAULT AND OTHER FORMS OF VIOLENCE

Obtaining assistance after a student is sexually assaulted, stalked or is in an abusive relationship is extremely important and can involve different points of on-campus contact for students, faculty and staff, including the Public Safety Department, Women’s/Men’s Centers and Counseling Departments, and/or the Dean of Student Development/Student Affairs. Each provides different forms of assistance which together address many of the needs of survivors.

• Contact Law Enforcement Personnel Immediately

CUNY urges any student who has been the victim of a sexual assault or other act of violence or abuse, or any student or employee who has witnessed a sexual assault or other act of violence against a student, to immediately report the incident to the college Public Safety Department if the attack occurred on-campus, or to call 911 or go to the local NYPD precinct if the incident took place off-campus. Each college shall be provided with a list of emergency contact numbers as part of its orientation and training programs.

• Seek Immediate Medical Attention

It is critical that victims of a physical assault receive comprehensive medical attention as soon as possible. For a sexual assault in particular, immediate treatment and the preservation of evidence of the attack (i.e. retain the clothing worn during the attack and do not shower) is crucial to a criminal investigation. If a student believes that she/he may be the victim of date rape by being drugged, she/he should go directly to a hospital to receive a toxicology examination since such drugs only remain in a person’s system for a short period of time. In all other circumstances, public safety and police personnel can assist the victim in obtaining medical care. Each college shall be provided with a list of local hospitals, some of which are designated as SAFE (Sexual Assault Forensic Examiner) hospitals that are specially equipped to handle sexual assaults and are trained to gather minute evidence from such assaults. Rape crisis advocates at emergency rooms are also trained to handle domestic violence. EMS will be directed to bring victims to a SAFE hospital at their request. Medical attention is critical not only to treat internal and external injuries and to combat the possibilities of sexually transmitted infections and/or pregnancy, but also to collect evidence that can be used against the alleged perpetrator. It is also vital to ongoing safety and recovery that victims receive emotional support and professional counseling as soon as possible after the attack.

• Seek On-Campus Assistance

CUNY encourages student victims to contact the Dean of Student Affairs/Student Development to obtain assistance in accessing medical and counseling services, or to make any necessary changes to the student’s academic program or residential housing situation. Public Safety can assist victims getting to and from campus safely, filing a police report and obtaining an order of protection against the alleged perpetrator. Victims can also file a complaint with the College
against an alleged perpetrator who is a student or employee of the University with the Dean of Student Affairs/Student Development and the Public Safety Office.

• **Obtaining an On-Campus Advocate**

Student victims of a sexual assault, stalking or domestic or intimate partner violence shall be provided with on-campus support in the form of an advocate from the Women’s/Men’s Center (if there is one on campus) or an appropriately trained counselor to assist them in handling the various aspects of their ordeal, such as: 1) explaining to victims their options of whether or not to report the incident to campus or law enforcement authorities; 2) providing guidance if they require medical attention; 3) providing guidance in obtaining crisis intervention and/or ongoing counseling services (or a referral to obtain the necessary services if such services are not available on campus); and 4) assisting victims throughout the College’s disciplinary process if they choose to file a complaint against another student in connection with the incident.

• **Handling Sexual Assault, Stalking and Domestic and Intimate Partner Violence Complaints On-Campus**

The Colleges shall act promptly in response to information that a student has been sexually assaulted, or has been the victim of domestic or intimate partner violence or stalking by another member of the CUNY community. Upon receipt of a complaint, the College shall undertake an appropriate investigation. If it appears that there is sufficient evidence to warrant disciplinary charges against a student or staff member, such charges shall be brought pursuant to the appropriate University procedures or collective bargaining agreement. If the alleged perpetrator is a student and the matter is brought before a hearing, the victim and alleged perpetrator are entitled to the same opportunities to have others present and to be informed of the outcome of the proceedings. The victim is entitled to a report of the results of the proceeding at her/his request. If a student is found guilty of committing a sexual assault or other act of violence against another CUNY student or employee after a disciplinary hearing, the penalties may include suspension, expulsion from residence halls, or permanent dismissal from CUNY.

In addition, if during the course of the investigation and/or disciplinary process the alleged perpetrator, or anyone on his/her behalf, seeks to contact the victim so as to harass, intimidate, threaten or coerce the victim in any way, the college reserves the right to bring additional disciplinary action against the actor. Such conduct by any member of the CUNY community will not be tolerated.

• **Confidentiality**

The university recognizes that confidentiality is particularly important to victims of sex crimes, domestic and intimate partner violence and stalking. If the victim seeks counseling with a licensed professional and/or works with an advocate from the campus, those communications will be confidential. CUNY encourages victims in all circumstances to seek counseling in order to speak about her/his options and to begin the recovery period.

While complete confidentiality cannot be guaranteed, every effort will be made to maintain confidentiality on a “need to know” basis. Generally, the wishes of a victim not to report a sexual assault or incident of domestic/intimate partner violence or stalking to the police will prevail, though the college reserves the right to notify the police when it believes that such reporting is necessary for the protection of the college community. Such notification, however, will generally be done without divulging the victim’s identity and for the purpose of providing a campus-wide safety alert. In addition, the College must adhere to legal mandates such as Title IX, medical reporting laws, and the Campus Security Act. For example, CUNY is required to make an annual report documenting the occurrences of violent crimes on campus, including sexual assault. However, this report does not include any information identifying the individuals (including the victims) linked to these crimes.
III. IMPLEMENTATION OF THE POLICIES AND PROCEDURES CONCERNING SEXUAL ASSAULT AND OTHER FORMS OF VIOLENCE AGAINST STUDENTS

The President and Vice President for Student Affairs/Student Development of each college shall be responsible for implementing this policy in accordance with the most up-to-date information and resources pertaining to sexual assault, stalking and domestic/intimate partner violence education and prevention, and victim assistance. The following steps must be taken to implement this policy:

1. Publication: A copy of this policy shall be easily accessible on the CUNY website and on the website administered by each College. A summary shall also be incorporated into every college student handbook. In addition, copies of the policy and procedures shall be made available in student centers, residence halls, student affairs/student development offices, women’s/men’s centers, counseling centers, health clinics and public safety departments, and shall be distributed to all new students during orientations.

2. Prevention/Risk Reduction Education: Each college shall develop materials and programs to educate its students, faculty and staff on the nature, dynamics, common circumstances and effects of sexual assault, domestic/intimate partner violence and stalking, and the means to reduce their occurrence and prevent them. Prevention education should provide up-to-date and relevant information, such as education pertaining to bystander intervention, the importance of peer networks and the significance of fostering a community of responsibility. Prevention education materials and programs shall be incorporated into campus orientation activities for all incoming undergraduate and graduate students (including transfers), and shall be made available to all student activity groups, clubs and athletic teams. In addition, all residence halls shall have a mandatory orientation on sexual assault, stalking and domestic/intimate partner violence prevention. Colleges are encouraged to assist in the organization of peer education groups and to provide resources to such groups so that the groups can provide training and outreach to other students throughout the academic year. Since the abuse of alcohol is frequently involved in occurrences of sexual assault and other forms of violence, it is important that the education program include education about the deleterious effects of alcohol abuse.

3. Professional Training: Each college shall provide periodic training relating to the prevention and handling of sexual assaults, stalking and domestic/intimate partner violence for all relevant personnel, including public safety officers, counselors, student affairs staff and residence hall assistants by experts trained in the field. Education and training shall also be made available to any interested faculty and staff member. Each campus must have at least one qualified staff or faculty member serve as a designated liaison and trainer.

4. Oversight by CUNY Central Administration: The University Vice Chancellor for Student Affairs shall monitor compliance with this policy at all of the campuses, shall review the policies and procedures on an annual basis, and shall make recommendations in the event that updates to prevention and education information are necessitated. In addition, the Office of the Vice Chancellor for Student Affairs shall provide educational materials that may be needed to ensure full implementation of this policy on every campus. Liaisons will be identified from each campus who will receive standardized training in order to fulfill their responsibilities on their campuses. The policies, procedures and outreach materials and programs will be subject to a periodic process of assessment in order to maintain efficacy.

Sexual Assault And Other Crimes Of Violence: Definitions and Background Information

Sexual assault is a crime. Under Article 130 of the New York State Penal Law, it is a sex offense to engage in sexual contact or to engage in sexual intercourse, sodomy or sexual abuse by contact without the consent of the victim or where the victim is incapable of giving consent. Criminal sex offenses are classified in degree according to the seriousness of sexual activity, the degree of force used, the age of the victim and the physical and mental capacity of the offender and victim.
Stalking is also a crime. Under Article 120 of the New York State Penal Law, a person is guilty of stalking when he/she intentionally, and for no legitimate purpose, engages in a course of conduct directed at a specific person, and knows or should know that such conduct is likely to cause fear of material harm to the health, safety or property of the victim. Examples of such conduct are following, telephoning or initiating communication or contact (i.e. via email) with the victim. Dating and domestic violence is controlling, abusive, and aggressive behavior in a romantic relationship, and often involves illegal conduct on the part of the aggressor, including sex offenses, stalking and/or harassment.

See Attachment for a list of some of the relevant sex and stalking offenses and their maximum penalties under New York State Law.

A. Sexual Assault

Sexual assault is a crime of power, aggression and violence. Terms such as “date rape” and “acquaintance rape” tend to minimize the fact that the act of rape, or any sexual assault, is a serious crime.

There is never an excuse or a reason for a person to rape, assault or even touch another person’s private parts without consent. The impact on survivors of such an attack can cause severe and lasting physical, mental and emotional damage.

• Who is a perpetrator? Many people think that sexual assaults are only perpetrated by vicious strangers on dark, deserted streets. In fact, studies indicate that between 80 and 90 percent of all people who have been raped know their perpetrator(s). This is called “date rape” or “acquaintance rape.” “Date rape” is not a legally distinct or lesser category of rape. It refers to a relationship and situational context in which rape occurs on a date. Rape or any sexual offense, whether on a date or not, is the same criminal offense involving the same elements of force, exploited helplessness or underage participation. With sexual assaults where the victim knows the perpetrator, alcohol use is often involved on the part of either the victim or the perpetrator. However, a sexual assault is still a crime regardless of the intoxication of the perpetrator or the victim.

• Who is a victim?

Anyone can be a victim, regardless of gender, age, race, sexual orientation, religion, ethnicity, class or national origin. Though women and girls are primary targets of these crimes, men and boys are sexually victimized too, and have been found to suffer the same aftermath as women. Regardless of whether the victim was abusing alcohol and/or underage, she or he is still the victim of the sex offense. • When is there lack of consent? Under New York law, lack of consent to a sexual contact may be demonstrated in the following ways: (1) forcible compulsion including the use of physical force or threat (express or implied) which places the person in fear of physical injury to self or another; (2) incapacity to consent on the part of the victim; (3) circumstances in which the victim does not expressly or impliedly acquiesce in the actor’s conduct; or (4) circumstances in which the victim clearly expressed by words or actions that he or she did not consent to engage in such sexual act and a reasonable person would have understood such person’s words or actions as an expression of lack of consent to such conduct. A person is deemed incapable of giving consent if she/he is (a) under the age of 17, (b) mentally incapacitated (which may include incapacity due to the victim’s ingestion of alcohol or drugs), (c) physically disabled or (d) physically helpless (asleep, unconscious or for any other reason physically unable to communicate unwillingness to act, which may also include incapacity due to the victim’s ingestion of alcohol or drugs).

• Who is responsible for a sexual attack?

In the absence of consent, the attacker is always responsible for having committed the sexual assault regardless of the victim’s appearance, behavior, or conduct on previous occasions. An attacker cannot assume that the way a person dresses or acts is an invitation for sexual advances. A person may welcome some forms of sexual contact and be opposed to others. The more impaired a person is from alcohol or drugs, the less likely she/he can give consent; having
sex with someone who is “passed out” or sleeping is rape. And regardless of previous sexual activity, if someone refuses sexual contact, the failure to respect that limit constitutes non-consensual sex.

• Who can prevent a sexual attack from occurring?

Every member of the CUNY community, by recognizing situations where sexual violence occurs, by acknowledging that anyone can be a victim of sexual assault, and by becoming active, positive and responsible community members who look out for other members of the CUNY community.

B. Stalking

Stalking generally refers to harassing or threatening behavior that an individual engages in repeatedly, such as following a person, appearing at a person’s home or place of business, making harassing calls, or leaving written messages or objects. Unlike other crimes, which normally consist of a single illegal act, stalking is a series of actions that, when taken individually, may be perfectly legal. For instance, sending a birthday card or flowers or standing across the street from someone’s house is not a crime. When these actions are part of a course of conduct that is intended to instill fear in a victim, however, they may be considered illegal behavior.

• Who is a stalker?

Nearly 90% of stalkers are male, and most stalkers know their victims (60% are current or former intimate partners.) Most stalkers are in their late teens to middle-aged, and stalkers may come from every socio-economic background. Stalkers are motivated by obsession and a desire for control, which stem from either a real or imagined relationship with the victim.

• Who is a victim of stalking?

In stalking cases, more than half of the victims are between 18 and 29 years old and 75% of victims are female. Male victims are stalked by male and female offenders at the same rate, and tend to be stalked by strangers and acquaintances rather than intimates. According to a 2000 study, more than 13% of college women indicated that they have been stalked in one college year.

• What are the consequences of stalking?

Stalking often causes pervasive, intense fear and can be extremely disruptive for the victim. In addition to presenting a continual threat of physical and/or sexual violence, the stalker can erode the victim’s sense of safety and personal control. Stalking causes victims to miss work and school. And stalking in dating and domestic violence cases is often related to more severe violence.

• Is stalking a common occurrence on college campuses?

Research shows that stalking has become a common occurrence on today’s college campuses. Some of the very aspects that make campus life appealing aid the potential stalker. The campus is a closed environment where it is easy to determine a student’s schedule; it is a highly social atmosphere where stalking behavior may be confused with positive, romantic attention at first; student movement through the campus is predictable, and access to academic buildings may be quite easy. One can easily find information about a selected student through the campus directory, including the student’s address, telephone number and email address. As a result of obtaining students’ email addresses, cyber-stalking has become common, which can lead to other forms of stalking and is equally as frightening for victims.

C. Dating and Domestic Violence

Dating and Domestic violence is a pattern of abusive behavior in any relationship that is used by one partner to gain or maintain power and control over another intimate partner. Domestic violence can be physical, sexual, emotional, economic, or psychological actions or threats of actions that influence another person. This includes any behaviors that intimidate, manipulate, humiliate, isolate, frighten, terrorize, coerce, threaten, blame, or injure someone.
Intimate partner includes persons legally married to one another; persons formerly married to one another; persons who have a child in common, regardless of whether such persons are married or have lived together any time; couples who live together or have lived together; or persons who are dating or who have dated in the past, including same sex couples.

Some of the forms of domestic and dating abuse include:

- **Physical Abuse**: Hitting, slapping, shoving, grabbing, pinching, hair-pulling, biting, etc. Physical abuse also includes denying a partner medical care or forcing alcohol and/or drug use.

- **Sexual Abuse**: Coercing or attempting to coerce any sexual contact or behavior without consent. Sexual abuse includes, but is certainly not limited to marital rape, attacks on sexual parts of the body, forcing sex after physical violence has occurred, or treating one in a sexually demeaning manner.

- **Emotional Abuse**: Undermining an individual's sense of self-worth and/or self-esteem. This may include, but is not limited to, constant criticism, diminishing one's abilities, name-calling, or damaging one's relationship with his or her children.

- **Economic Abuse**: Making or attempting to make an individual financially dependent by maintaining total control over financial resources, withholding one's access to money, or forbidding one's attendance at school or employment.

- **Psychological Abuse**: Causing fear by intimidation; threatening physical harm to self, partner, children, or partner's family or friends; destruction of pets and property; or forcing isolation from family, friends, or school and/or work.

Dating and Domestic violence can happen to anyone regardless of race, age, religion, or gender, and affects people of all socioeconomic backgrounds and education levels. Domestic violence occurs in both opposite-sex and same-sex relationships and can happen to intimate partners who are married, living together, or dating. Dating and domestic violence can be difficult to identify because violence can occur in cycles that alternate with the perpetrator's expressed devotion and love for the partner. This is all part of the cycle of manipulation and control.

### Sexual Assault Criminal Sanctions

<table>
<thead>
<tr>
<th>Crime</th>
<th>Illegal Conduct</th>
<th>Criminal Sanctions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rape in the first degree</td>
<td>A person is guilty when he or she engages in sexual intercourse with another person by forcible compulsion, with a person who is incapable of consent by reason of being physically helpless (e.g. being asleep, unconscious or due to alcohol or drug consumption), who is less than 11 years old or less than 13 and the actor is 18 or older.</td>
<td>Is a class B felony, with penalties up to 25 years in prison.</td>
</tr>
<tr>
<td>Crime</td>
<td>Description</td>
<td>Penalty</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Rape in the second degree</td>
<td>A person is guilty when being 18 years old or more, he or she engages in sexual intercourse with another person less than 15, or with another person who is incapable of consent by reason of being mentally disabled or mentally incapacitated.</td>
<td>Is a class D felony, with penalties up to 7 years in prison.</td>
</tr>
<tr>
<td>Criminal sexual act in the first degree</td>
<td>A person is guilty when he or she engages in oral sexual contact or anal sexual contact with another person by forcible compulsion, or with someone who is incapable of consent by reason of being physically helpless, or with someone less than 11 or with someone less than 13 and the actor is 18 or older.</td>
<td>Is a class B felony, with penalties up to 25 years in prison.</td>
</tr>
<tr>
<td>Forcible touching (PL § 130.52)</td>
<td>A person is guilty when he or she intentionally, and for no legitimate purpose, forcibly touches the sexual or other intimate parts of another person for the purpose of degrading or abusing such person; or for the purpose of gratifying the actor’s sexual desire</td>
<td>Is a class A misdemeanor, with penalties up to 1 year in jail.</td>
</tr>
<tr>
<td>Sexual abuse in the first degree</td>
<td>A person is guilty when he or she subjects another person to sexual contact: by forcible compulsion, when the other person is incapable of consent by reason of being physically helpless, or when the person is less than 11 years old.</td>
<td>Is a class D felony, with penalties up to 7 years in prison.</td>
</tr>
<tr>
<td>Aggravated sexual abuse in the first degree</td>
<td>A person is guilty when he or she inserts a foreign object in the vagina, urethra, penis or rectum of another person causing physical injury to such person by forcible compulsion, when the person is incapable of consent by reason of being physically helpless, or when the person is less than 11.</td>
<td>Is a class B felony, with penalties up to 25 years in prison.</td>
</tr>
<tr>
<td>Aggravated sexual abuse in the second degree</td>
<td>A person is guilty when he or she inserts a finger in the vagina, urethra, penis or rectum of another person causing physical injury to such person by forcible compulsion, when the person is incapable of consent by reason of being physically helpless, or when the person is less than 11.</td>
<td>Is a class C felony, with penalties up to 15 years in prison.</td>
</tr>
<tr>
<td>Aggravated sexual abuse in the third degree</td>
<td>A person is guilty when he or she inserts a foreign object in the vagina, urethra, penis or rectum of another person by forcible compulsion, when the person is incapable of consent by reason of being physically helpless, or when the person is less than 11.</td>
<td>Is a class D felony, with penalties up to 7 years in prison.</td>
</tr>
<tr>
<td><strong>Facilitating a sex offense with a controlled substance</strong> (PL § 130.90)</td>
<td>A person is guilty when he or she knowingly and unlawfully possesses a controlled substance or any substance that requires a prescription to obtain to another person, without such person’s consent and with intent to commit against such person conduct constituting a felony, and commits or attempts to commit such conduct constituting a felony defined in Article 30.</td>
<td>Is a class D felony, with penalties up to 7 years in prison.</td>
</tr>
<tr>
<td>---</td>
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</tr>
<tr>
<td><strong>Stalking in the fourth degree</strong> (PL § 120.45)</td>
<td>A person is guilty when he or she intentionally, and for no legitimate purpose, engages in a course of conduct directed at a specific person, and knows or reasonably should know that such conduct is likely to cause reasonable fear of material harm to the physical health, safety or property of such person, a member of such person’s immediate family or a third party with whom such person is acquainted; or causes material harm to the mental or emotional health of such person, where such conduct consists of following, telephoning or initiating communication or contact with such person, a member of such person’s family or a 3rd party with whom such person is acquainted and the actor was previously clearly informed to cease that conduct.</td>
<td>Is a class B misdemeanor, with penalties up to three months in jail.</td>
</tr>
<tr>
<td><strong>Stalking in the third degree</strong> (PL § 120.55)</td>
<td>A person is guilty when he/she commits the crime of stalking in the 4th degree against three or more persons, in three or more separate transactions, for which the actor has not been previously convicted, or with intent to harass, annoy or alarm a specific person, engages in a course of conduct directed at such person which is likely to cause such person to reasonably fear physical injury or serious physical injury, the commission of a sex offense against, or the kidnapping, unlawful imprisonment or death of such person or a member of such person’s family; or commits the crime of stalking in the 4th degree and has been previously convicted within the preceding ten years of stalking in the fourth degree.</td>
<td>Is a class A misdemeanor, with penalties up to one year in jail.</td>
</tr>
<tr>
<td><strong>Stalking in the first degree</strong> (PL §120.60)</td>
<td>A person is guilty when he/she commits the crime of stalking in the 2nd or 3rd degree and in the furtherance thereof, he/she intentionally or recklessly causes physical injury to the victim, or commits a class A misdemeanor defined in Article 130, a class E felony defined in section 130.25, 130.40, or 130.85, or a class D felony defined in section 130.30 or 130.45.</td>
<td>Is a class D felony, with penalties up to 7 years in prison.</td>
</tr>
</tbody>
</table>

For a full listing of all sex offenses and the definitions of sex offenses, please refer to:

[http://public.leginfo.state.ny.us/menugetf.cgi?COMMONQUERY=LAWS](http://public.leginfo.state.ny.us/menugetf.cgi?COMMONQUERY=LAWS)

Crime statistics are reported annually by every college pursuant to the Jeanne Clery Act. This information can be obtained from your campus Public Safety Department.
In addition, “Megan’s Law” protects our communities and universities by mandating that convicted sex offenders register with the State through the Division of Criminal Justice Services. Such information can be obtained from your local police precinct, and from the Division of Criminal Justice Services website: http://www.criminaljustice.state.ny.us/ (for level 3 offenders.)

## EMERGENCY CONTACT NUMBERS

<table>
<thead>
<tr>
<th>Hunter College</th>
<th>212-772-4444</th>
<th>x 4931 (personal counseling services)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hunter Brookdale Campus</td>
<td>212-481-4444</td>
<td>x 4931 (personal counseling services)</td>
</tr>
</tbody>
</table>

## NEW YORK CITY SUPPORT SERVICES

* Indicates a 24-hour number

### NYPD

<table>
<thead>
<tr>
<th>Police Emergency</th>
<th>911*</th>
</tr>
</thead>
<tbody>
<tr>
<td>NYPD Sex Crimes Hotline</td>
<td>212-267-RAPE*</td>
</tr>
</tbody>
</table>

### Rape Crisis and Dating/Domestic Violence Services


The Online Hotline is free of charge and is available **24 HOURS A DAY, 7 DAYS A WEEK!**

<table>
<thead>
<tr>
<th>NYC Rape Crisis Hotline</th>
<th>212-673-3000*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safe Horizon: Rape and Sexual Assault Hotline</td>
<td>800-621-4673* <a href="http://www.safehorizon.org">www.safehorizon.org</a></td>
</tr>
<tr>
<td><strong>Safe Horizon:</strong> Domestic Violence Hotline</td>
<td>212-577-7777*</td>
</tr>
<tr>
<td><strong>NYC Gay and Lesbian Anti-Violence Project</strong></td>
<td>212-714-1141*</td>
</tr>
<tr>
<td><strong>New York Women Against Rape</strong></td>
<td>212-777-4000</td>
</tr>
<tr>
<td><strong>New York Asian Women’s Center</strong></td>
<td>888-888-7702*</td>
</tr>
<tr>
<td><strong>NYC Alliance Against Sexual Assault</strong></td>
<td>212-229-0345</td>
</tr>
<tr>
<td><strong>NYS Victim Information and Notification Everyday</strong></td>
<td>888-VINE-4NY</td>
</tr>
<tr>
<td><strong>NYS Crime Victim’s Board</strong></td>
<td>718-923-4325</td>
</tr>
<tr>
<td><strong>Urban Justice Center:</strong> legal services &amp; advocacy for survivors of Domestic Violence</td>
<td>646-602-5600, <a href="http://www.urbanjustice.org">www.urbanjustice.org</a></td>
</tr>
<tr>
<td><strong>Women’s Survival Space (Brooklyn)</strong></td>
<td>718-439-4612</td>
</tr>
</tbody>
</table>

**Rape Crisis Centers (affiliated with hospitals)**

- **Bronx**
  - North Central Bronx Hospital: Sexual Assault Treatment Program 718-519-5722

- **Brooklyn**
  - Coney Island Hospital: Rape Crisis Program 718-616-4209, or 800.tel.rape* 718-780-1459
  - Long Island College Hospital: Rape Crisis Intervention/Victims of Violence Program

- **Manhattan**
  - Beth Israel Medical Center: Rape Crisis & Domestic Violence Intervention Program 212-420-4516
  - Bellevue Hospital Center: Rape Crisis Program
  - Columbia Presbyterian Hospital: Domestic and Other Violence Emergencies (DOVE) 212-562-3435
  - Harlem Hospital: Center for Victim Support 212-305-9060
  - Mt. Sinai Medical Center: Sexual Assault Violence Intervention (SAVI)
  - St. Luke’s Roosevelt Hospital: Crime Victims Treatment Center 212-939-4613
  - St. Vincent’s Hospital: Rape Crisis Program 212-423-2140 212-523-4728
<table>
<thead>
<tr>
<th>Borough</th>
<th>Organization</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Queens</td>
<td>Elmhurst Hospital: Borough Crisis Center</td>
<td>718-736-1288</td>
</tr>
<tr>
<td></td>
<td>Queens Hospital Center</td>
<td>718-883-3090</td>
</tr>
<tr>
<td>Staten Island</td>
<td>St. Vincent’s Medical Center</td>
<td>718-876-3044</td>
</tr>
</tbody>
</table>

**District Attorney’s Offices**

<table>
<thead>
<tr>
<th>Borough</th>
<th>Location</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bronx</td>
<td>Crime Victims Assistant Unit</td>
<td>718-590-2114</td>
</tr>
<tr>
<td>Brooklyn</td>
<td>Victim Services Unit</td>
<td>718-250-3820</td>
</tr>
<tr>
<td>Manhattan</td>
<td>Victim Assistance Center</td>
<td>212-335-8900</td>
</tr>
<tr>
<td>Queens</td>
<td>Crime Victims Advocate Program</td>
<td>718-286-6818</td>
</tr>
<tr>
<td>Staten Island</td>
<td></td>
<td>718-876-6300</td>
</tr>
</tbody>
</table>

**Programs For Abusers**

<table>
<thead>
<tr>
<th>Program</th>
<th>Description</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safe Horizon Alternatives to Violence Program</td>
<td>Provides educational groups in English and Spanish for perpetrators of domestic violence.</td>
<td>718-834-7471</td>
</tr>
<tr>
<td>STEPS: Alternatives to Incarceration</td>
<td>Provides programs for adolescent male batterers</td>
<td>212-662-7914</td>
</tr>
<tr>
<td>Sexual Abuser Treatment Referral Line</td>
<td>1-802-247-3132, Mon.-Fri. 9am-4:30pm.</td>
<td></td>
</tr>
<tr>
<td>STOP IT NOW! Helpline</td>
<td>1-888-PREVENT (773-8368), Mon.-Fri. 9am-5pm.</td>
<td></td>
</tr>
</tbody>
</table>

**Curriculum and Teaching**

Return to Faculty of the School of Education

Laura Baecher, Asstant Professor, EdD, Teacher College, Columbia Univ.; TESOL
Nadine Bryce, Assistant Professor; EdD, Teachers College, Columbia Univ.; Reading and Language Arts

Jenny Castillo, Associate Professor; PhD, CUNY; Hispanic and Luso-Brazilian Literature

Brian Collins, Assistant Professor, Ph.D., NYU; Bilingual Education

Stephen DeMeo, Professor; EdD, Teachers College, Columbia Univ.; Secondary Science Education

Ann Ebe, Assistant Professor; PhD, Univ. of Arizona; Language Reading and Culture: Reading and Writing Processes, Uses and Research

Anne M. Ediger, Professor and Chair; PhD, UCLA; Applied Linguistics

Terrie Epstein, Professor; EdD, Harvard Univ.; Education

Timothy Farnsworth, Assistant Professor; PhD, UCLA; Applied Linguistics

Dolores Fernandez, University Professor; PhD, Hofstra Univ.; Language and Cognition

Francis Gardella, Associate Professor; EdD, Rutgers Univ.; Mathematics Education

Robert Gyles, Professor; PhD, NYU; Mathematics Education/Curriculum and Instruction

Yang Hu, Associate Professor; EdD, Teachers College, Columbia Univ.; English Education

Deborah Ann Jensen, Associate Professor; PhD, Fordham Univ.; Language, Literacy and Learning

Abigail Jewkes, Assistant Professor; PhD, Univ. of Michigan; Education

Marcia Knoll, Associate Professor; EdD, St. John's Univ.; Curriculum and Teaching

Karen Koellner, Associate Professor, Ph.D., Arizona State University; Mathematics Education

John Niman, Professor; PhD, Columbia Univ.; Mathematics and Mathematics Education

Janet Patti, Professor; EdD, Northern Arizona; Education

Anthony Picciano, Professor; PhD, Fordham Univ.; Educational Administration, Technology

Jody Polleck, Assistant Professor; PhD, NYU; English Education

Dennis Robbins, Associate Professor; EdD, Teachers College, Columbia Univ.; Science Education

Christine Rosalia, Assistant Professor, PhD, NYU; Educational Communications & Technology

Melissa Schieble, Assistant Professor; PhD, Univ. of Wisconsin-Madison; Curriculum/Instruction

Debbie Sonu, Assistant Professor; EdD, Teacher's College, Columbia Univ.; Curriculum and Teaching Urban-Multicultural Education

L. Christina Taharally, Associate Professor; EdD, Univ. of Massachusetts (Amherst); Early Childhood Education

Virginia Tong, Assistant Professor; PhD, NYU; Bilingual Education

John Toth, Assistant Professor; PhD, European Graduate School; Media & Communications

Jenny Tuten, Associate Professor and Chair; PhD, Fordham Univ.; Language and Literacy Education

Rachael Welder, Assistant Professor; PhD, Montana State Univ.; Mathematics and Mathematics Education
Sandra Wilde, Professor; PhD, Univ. of Arizona; Elementary Education

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Dance

Return to the Faculty of the School of Arts and Sciences

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Maura Nguyen Donohue, Assistant Professor, Dance (Music) MFA Smith College

Return to the Dance Program

Disclaimers and Statement of Rights

Return to General Information

John T. Rose

Notice of Possible Changes

The Board of Trustees of The City University of New York reserves the right to make changes of any nature in the academic programs and requirements of The City University of New York and its constituent colleges. All programs, requirements, and courses are subject to termination or change without advance notice. Tuition and fees set forth in this publication are similarly subject to change by the Board of Trustees of The City University of New York.

The course descriptions in this catalog summarize the full, official descriptions authorized by the Hunter College Senate. Full descriptions are available in the appropriate school and department offices. Hunter College reserves the right to change rules, policies, fees, and curricula without advance notice.

STATEMENT OF NONDISCRIMINATION Hunter College is an Equal Opportunity and Affirmative Action Institution. The college does not discriminate on the basis of age, sex, sexual orientation, transgender, religion, race, color, alienage, citizenship status, national or ethnic origin, physical or mental disability, genetic predisposition or carrier status, veteran or marital status in its student admissions, employment, access to programs, and administration of educational policies.

Dean John T. Rose is the college officer responsible for affirmative action matters. He is also the coordinator for Title IX, which prohibits sex discrimination in federally assisted education programs. His office is located in the Office of the President, 1706 Hunter East, (212) 772-4242.

Professor Tamara Green is the college Section 504 Coordinator for the Handicapped. Her office is located in 1425A Hunter West, (212) 772-5061.
Freedom of Information Law

Request to inspect public records at the college should be made to the Records Access Officer, Gail Aidinoff Scovell, Special Counsel to the President, who is located at the Hunter College Legal Office, 695 Park Avenue, 1705 Hunter East, (212) 772-4220. Public records are available for inspection and copying by appointment only at a location to be designated. You have a right to appeal a denial of a request for access to records to the CUNY Senior Vice Chancellor for Legal Affairs and General Counsel. Copies of the CUNY Procedures for Public Access to Public Records Pursuant to Article 6 of the Public Officers Law and the appeal form are available at the reference desk of the library and on the college website.

Economics

Return to Faculty of the School of Arts and Sciences

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Purvi Sevak, Associate Professor, Economics; BS Cornell, MA, PhD Yale

Fang Sun, Assistant Professor; MA Beijing Technology and Business University, China, MBA Thunderbird, School of Global Management, PhD Temple

Return to the Department of Economics

Educational Foundations and Counseling Programs

Return to Faculty of the School of Education

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Elizabeth Cardoso, Professor; PhD, Univ. of Wisconsin-Madison; Psychology

Stephany Carter Morrison, Assistant Professor, M.S. University of Wisconsin-Platteville; School Counseling

Peggy Pei-I Chen, Associate Professor; PhD, CUNY; Educational Psychology

Henry L. Evans, Lecturer; MFA, Columbia Univ.; Writing

Sherryl Browne Graves, Professor; PhD, Harvard Univ.; Clinical Psychology, Public Practice

John Keegan, Assistant Professor, M.S., University of Wisconsin-Madison, Rehabilitation Psychology

Priscilla Hambrick-Dixon, Associate Professor; PhD, Univ. of Michigan; Education, Psychology

Calliope Haritos, Associate Professor; PhD, CUNY Developmental Psychology

Mario A. Kelly, Associate Professor; EdD, Univ. of Rochester; Developmental/Educational Psychology

Kimberly Kinsler, Professor; PhD, CUNY; Educational Psychology

Gess LeBlanc, Associate Professor and Acting Chair; PhD, CUNY; Developmental Psychology

John O’Neill, Professor; PhD, Syracuse Univ.; Rehabilitation Research
Ruth Rose, Lecturer; MA, Southern Illinois Univ.; Linguistics/EFL

Cynthia Walley, Assistant Professor; PhD, Old Dominion Univ.; Counseling

Jeanne Weiler, Associate Professor; PhD, SUNY (Stony Brook); Social Foundations of Education

Arnold Wolf, Professor; PhD, NYU; Philosophy

Return to Faculty of the School of Education

English

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Cristina L. Alfar, Associate Professor and Chair, English; BA, MA Cal State (Fresno), PhD Washington

Jeff Allred, Assistant Professor, English; BA Williams, PhD Pennsylvania

Kelvin Black, Assistant Professor, English; BA Duke; Ph.D. University of California, Berkeley

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Peter Carey, Professor, English

Sarah Chinn, Associate Professor, English; BA Yale, MA, PhD Columbia

Chong Chon-Smith, Assistant Professor, English; BA Texas (Austin), MA Hawaii (Manoa), PhD California (San Diego)

Rebecca Connor, Associate Professor, English; BA Wesleyan, PhD Stanford

Louise DeSalvo, Jenny Hunter Professor in Creative Writing and Literature, English; BA Douglass, MA, PhD NYU

Michael Dowdy, Assistant Professor, English; BS Virginia Polytech. Inst., MA North Carolina State, PhD North Carolina (Chapel Hill)
Jeremy Glick, Assistant Professor, English; BA, MA, Ph.D Rutgers

Karen Greenberg, Professor, English; BA Queens, MA, PhD NYU

Lynne Greenberg, Associate Professor, English; BA Brown, JD Chicago, PhD CUNY

Wendy Hayden, Assistant Professor, English; BA Montclair State; MA, PhD Maryland, College Park

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Gavin Hollis, Assistant Professor, English; BA Trinity Hall College, Cambridge University (UK); MA University of Birmingham (UK); PhD Michigan, Ann Arbor

Nico Israel, Associate Professor, English; BA California (Los Angeles), PhD Yale

Candice Jenkins, Associate Professor, English; BA Spelman, PhD Duke

Leigh Jones, Assistant Professor, English; BA Seattle, MA Washington State, PhD Arizona

Richard Kaye, Associate Professor, English; BA Chicago, PhD Princeton

Jan Heller Levi, Associate Professor, English; BA Sarah Lawrence

Harriet Luria, Associate Professor, English; BA Barnard, MA, EdM, EdD Teachers College, Columbia

Ramesh Mallipeddi, Assistant Professor, English; BA University of Mysore, India; MA Jawaharlal Nehru University (India); MA, PhD Cornell

Donna Masini, Associate Professor, English; BA Hunter, MA NYU

Evelyn Melamed, Assistant Professor, English; AB, MA Adelphi, MA City College

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Katherine J. Parry, Professor, English; Dip Ed Makerere College (Uganda), MA Cambridge (UK), EdM, EdD Teachers College, Columbia

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Dow Robbins, Lecturer, English; BA California (Santa Cruz), BA, MA Portland State; PhD California (Riverside)

Gary Schmidgall, Professor, English; BA, PhD Stanford

Jenefer Shute, Professor, English; BA Cape Town (South Africa), MA, PhD California (Los Angeles)

Thomas R. Sleigh, Professor, English; MA Johns Hopkins

Trudith M. Smoke, Professor, English; BA Queens, MA, PhD NYU

Michael Thomas, Assistant Professor, English; BA Hunter, MFA Warren Wilson College

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Sylvia Tomasch, Professor, English; BA Brooklyn, PhD CUNY

Alan Vardy, Associate Professor, English; BA, MA Simon Fraser (Canada), PhD Washington

Barbara Webb, Associate Professor, English; BA Bryn Mawr, MA, PhD NYU

Stephen Wetta, Lecturer, English; BA Virginia Commonwealth, MA, PhD NYU

David Winn, Assistant Professor, English; BA California (Irvine), MA Colorado

Return to the Department of English

**Enrollment, Tuition and Fees, Financial Aid**
The Registrar's Office

217 Hunter North
Web site: http://registrar.hunter.cuny.edu

This office prepares and maintains student academic records.

In doing so, the Office of the registrar also accepts and/or issues:

a. withdrawals from part of a program up to the first day of the tenth week of class;

b. electronic request to attend classes at non-CUNY colleges;

c. major forms to be approved by the major department and then filed in OASIS;

d. forms for change of name, address and forms for recording new or corrected Social Security numbers;

e. certification of attendance for any valid reason;

f. application for graduation and final evaluation and certification for graduation;

g. requests for transcripts. Transcripts are sent outside of the college only with the signature of the student. There is a fee of $7 per transcript, except for transcripts sent to other units of the City University, which are free;

OASIS (Office of Administrative and Information Services)

217 Hunter North; (212) 772-4474

The Office of Administrative and Information Services combines the most vital administrative services at Hunter College into one conveniently located office in Room 217 Hunter North. The OASIS incorporates the information services of the Registrar, Bursar and Financial Aid Offices. The OASIS is designed to help students navigate the administrative arm of the college by eliminating most of the “traveling” previously done between offices. In addition, the OASIS is conveniently located next door to the Registrar’s Office, around the corner from the Bursar, Financial Aid and Admissions Offices, one floor up from the Hunter College Welcome Center and one floor down from the Medical Office.

Many of the forms and services available in the OASIS are also available on the registrar’s Web site.

Registration

Registration Procedures Prior to each registration period, the registrar’s office develops a Schedule of Classes, which is online at the Office of the Registrar webpage. Students are assigned registration dates and times based upon their academic progress. Prior to each registration, an e-mail is sent to students alerting them that their registration appointment has been established. Students may then view their appointment time online by accessing E-SIMS via their CUNY Portal account.
Each semester, as grades are submitted, the Office of the Registrar notifies students by e-mail that a grade has been posted on their transcript and is available for viewing on E-SIMS. Students should pay careful attention to their grade and if there are any errors, contact their instructor immediately.

Access to the electronic student information system (ESIMS) is available through the CUNY webpage at http://www.cuny.edu. Students may register, view their transcript, current schedule, current bill, change their PIN, view open course sections and access their registration appointment times. All registration is conducted through E-SIMS. All course registration is performed at each student's CUNY portal account.

Students wishing to register for courses at another CUNY campus may do so by applying for an E-Permit through the CUNY portal available at http://www.cuny.edu. Effective fall 2004, grades for courses taken on permit are posted to students’ records and are computed in the GPA.

The Bursar's Office

238 Hunter North; (212) 772-4400

www.hunter.cuny.edu/bursar; bursar@hunter.cuny.edu

The bursar’s office collects all tuition and fees and other funds for the college. The bursar’s receipt/paid bill is the only valid proof of registration payment.

**Method of Payment for Tuition and Fees** Students may pay for tuition and fees by cash, check, money order or acceptable credit card (MasterCard, American Express or Discover). The VISA card is not accepted. All checks and money orders must be made payable to Hunter College in U.S. currency only and mailed to the Bursar’s Office, N238. The college will only accept payments of cash, checks and money orders at the Bursar’s Office cashier windows. Students can make payments online using their credit card or an electronic funds transfer from their bank checking/savings account. Additional details concerning payment options are available online at www.hunter.cuny.edu/bursar. A tuition payment plan can be arranged through TuitionPay for an $18 enrollment fee. Sallie Mae Tuition Pay permits students to pay semester expenses over a five-month period for the fall and spring terms and a three-month period for the summer.

For more information, please log on to www.tuitionpay.com/cuny or call 1-866-267-CUNY.

**Financial Obligations** Students are expected to settle their bill by the college’s designated due dates. Pursuant to CUNY policy, students who have unsettled bills are cancelled for non-payment. Student accounts that remain unpaid for one semester or more are turned over to the university’s collection agency. Students who have an unpaid balance or have not completed entrance/exit interviews for loan programs or other specific requirements of the college or an appropriate state or federal agency for which the university acts as either a disbursing or certifying agent will not be permitted to register for classes or obtain a transcript.

**Tuition and Fees**

**Effective Spring 2011**

All tuition and fee charges listed in this catalog and in any registration materials issued by the college are subject to change by action of the Trustees of the City University of New York without prior notice.

**Undergraduate – Matriculated**
Resident

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Full-time</td>
<td>$2,415/semester</td>
</tr>
<tr>
<td></td>
<td>Part-time</td>
<td>$205/credit</td>
</tr>
</tbody>
</table>

Non-Resident

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Full-time</td>
<td>$435/credit</td>
</tr>
<tr>
<td></td>
<td>Part-time</td>
<td>$435/credit</td>
</tr>
</tbody>
</table>

**Other Undergraduate**

Resident

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-degree</td>
<td>$300/credit</td>
</tr>
<tr>
<td></td>
<td>*Senior Citizen fee</td>
<td>$65/semester</td>
</tr>
</tbody>
</table>

or session (plus a $15 consolidated services fee)

*Enrollment on a “space available” basis only

Non-resident

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-degree</td>
<td>$640/credit</td>
</tr>
</tbody>
</table>

Credits in Excess of 18

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than or equal to two</td>
<td>$100</td>
</tr>
<tr>
<td>Greater than two but less than or equal to four</td>
<td>$230</td>
</tr>
<tr>
<td>Greater than four but less than or equal to six</td>
<td>$460</td>
</tr>
<tr>
<td>Greater than six</td>
<td>$690</td>
</tr>
</tbody>
</table>
Graduate (Masters) Except School of Social Work

Resident

- Full-time: $3,865/semester
- Part-time: $325/credit
- Excess hours: $65/hour

Non-Resident

- Full-time: $605/credit
- Part-time: $605/credit
- Excess hours: $85/hour

Maintenance of Matriculation:

- Residents: $160.00
- Non-Residents: $265.00

Masters in Social Work

Resident

- Full-time: $5,110/semester
- Part-time: $435/credit

Non-Resident

- Full-time: $685/credit
- Part-time: $685/credit

Combined BA-MA Program:
Students in combined programs will pay undergraduate tuition rates up to the number of credits required to earn a baccalaureate degree in that particular program. Any credits in excess of that number toward the combined degree are billed at the graduate level. A combined BA-MA degree ranges from 120 to 141 credits.

**Student Activity Fees**

**Fall and Spring**

<table>
<thead>
<tr>
<th>Type</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate full-time</td>
<td>$84.50</td>
</tr>
<tr>
<td>Undergraduate part-time</td>
<td>$54.45</td>
</tr>
<tr>
<td>Graduate</td>
<td>$12.85</td>
</tr>
</tbody>
</table>

**Summer**

<table>
<thead>
<tr>
<th>Type</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate full-time</td>
<td>$26.55</td>
</tr>
<tr>
<td>Undergraduate part-time</td>
<td>$26.55</td>
</tr>
<tr>
<td>Graduate</td>
<td>no fee</td>
</tr>
</tbody>
</table>

**Consolidated Services Fee:**

<table>
<thead>
<tr>
<th>Type</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>All students, including Senior Citizens</td>
<td>$15</td>
</tr>
</tbody>
</table>

**Technology Fee:**

<table>
<thead>
<tr>
<th>Type</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time</td>
<td>$100.00</td>
</tr>
<tr>
<td>Part-time</td>
<td>$50.00</td>
</tr>
</tbody>
</table>

**Refunds**

**Cancellation Policy**

The college’s cancellation policy is both published on our website (www.hunter.cuny.edu/bursar/tuition-fees/cancellation-of-classes) and detailed on student’s online bills found on eSIMSs. The policy is also outlined in the schedule of classes.

**CUNY Policy** This policy relates to all students who withdraw from courses prior to the 1st day of the 4th week of class. The refund policy is as follows:
100% tuition and fees prior to 1st day of class

75% tuition only prior to 1st day of 2nd week of class

50% tuition only prior to 1st day of 3rd week of class

25% tuition only prior to 1st day of 4th week of class

**Federal Title IV Funds/Pro-Rata Refunds** Students who completely and officially withdraw or unofficially withdraw from ALL their class(es) and who receive Federal Financial Aid are subject to a Return of Title IV Funds Calculation. The college will calculate how much Title IV aid has been earned by the student based on a period of attendance. The unearned portion of the Title IV funds must be returned to the Department of Education by the college and the student. It is recommended that all students who have financial aid and plan to withdraw from classes seek the advice of the Bursar’s Office before taking any action.

**Special Provisions for Students in the Military**

The following policies apply to students who leave CUNY to fulfill military obligations. Military personnel for whom these provisions apply must register each semester with the Veterans Affairs representative in Student Affairs, Room 1119 Hunter East.

**Students called up to the reserves or drafted before the end of the semester**

A. **Grades** In order to obtain a grade, a student must attend 13 weeks (five weeks for summer session).

B. **Refunds** A student called up to the reserves or drafted who does not attend for a sufficient time to qualify for a grade is entitled to a 100% refund of tuition and all other fees except application fees.

**Students who volunteer (enlist) for the military**

A. **Grades** Same provision as for students called up to the reserves. In order to obtain a grade, a student must attend 13 weeks (five weeks for summer session).

B. **Refunds** The amount of the refund depends upon whether the withdrawal is before the 5th week of classes.
   1. Withdrawal before beginning of the 5th calendar week (3rd calendar week for summer session): 100% refund of tuition and all other fees except application fees.
   2. Withdrawal thereafter: 50% refund.

**Other Provisions for Military Service:**

A. **Resident Tuition Rates** These lower rates are applicable to all members of the armed services, their spouses and their dependent children, on full-time active duty and stationed in the State of New York.

B. **Re-enrollment of Veterans** Veterans who are returning students are given preferred treatment in the following ways:
   1. Veterans who were former students with unsatisfactory scholastic records, may be readmitted with a probationary program.
2. Veterans, upon their return, may register even after normal registration periods, without late fees.
3. Granting of college credit for military service and armed forces instructional courses.
4. Veterans returning too late to register may audit classes without charge.

C. **Late Admissions** Veterans with no previous college experience are permitted to file applications up to the date of registration and are allowed to begin classes pending completion of their application and provision of supporting documents.

D. **Readmission Fee** Upon return from military service, a student will not be charged a Readmission Fee to register at the same college.

E. **Veterans Tuition Deferrals** Veterans are entitled to defer the payment of tuition pending receipt of veterans’ benefits.

F. **New York National Guard Tuition Waivers** Active members of the New York National Guard, who are legal residents of New York State and who do not have a baccalaureate degree, are eligible for a tuition waiver for undergraduate study.

G. For additional information, see the CUNY policy of military service.
   policy.cuny.edu/text/toe/mgp/ARTICLE%20VII/Policy%207.10/

**Financial Aid Processing Center:**

1605 Hunter East; (212) 772-5017

The primary role of the Financial Aid Processing Center (FAPC) is to help students fulfill their tuition obligation by processing financial aid in coordination with the Bursar’s and Financial Aid Offices. Additionally, this office administers the Federal Work Study and Federal Perkins Loan Programs, processes emergency loans and maintains accountability over all financial aid funded book advances.

**Financial Aid**

The Office of Financial Aid helps matriculated undergraduate students to gain access to funds in order to pay for their educational expenses at Hunter College. Federal and state aid funds are available to help pay for these expenses.

**Application Procedure**

The fastest and easiest way to apply for financial aid is by completing the application online. FAFSA on the Web is available at www.fafsa.ed.gov. When the student completes the FAFSA (Free Application for Federal Student Aid), Hunter College should be included among the colleges to which the application information is reported. When the FAFSA is processed, CUNY will receive an electronic record of the student’s application information. The student may be required to provide additional documentation to the Office of Financial Aid to verify the application information or to clarify any discrepancies in the application.

New York State resident students can apply for both federal and New York State aid during a single on-line session. After completing FAFSA on the Web, New York State residents are able to link to the TAP on the Web Form, which is pre-filled with their FAFSA data.
In order to request a Federal Direct Loan at Hunter College, the student must complete the FAFSA and complete an online Federal Direct Loan Request on the Hunter College Office of Financial Aid Web site at www.hunter.cuny.edu/finaid.

Financial Need

All funds from federal financial aid programs administered by the Office of Financial Aid are awarded on the basis of financial need, with the exception of the Federal Direct Unsubsidized Loan and the Federal Direct PLUS (Parent) Loan.

When the student applies for federal student aid, the information that is reported on the FAFSA is used in a formula, established by the U.S. Dept. of Education and approved by the U.S. Congress, that calculates the Expected Family Contribution (EFC), the amount that the student and the student’s family are expected to contribute toward the student’s education.

There is not a maximum EFC that defines eligibility for the other financial aid programs. Instead, the EFC is used in an equation to determine financial need:

\[
\text{Cost of Attendance} - \text{Expected Family Contribution (EFC)} = \text{Financial Need}
\]

The Financial Aid Office subtracts the Expected Family Contribution (EFC) from the Cost of Attendance. The remainder is the student’s financial need. In determining the student’s need for aid from the federal financial aid programs, the Financial Aid Office must first consider other aid the student is expected to receive.

The Cost of Education

Cost must be considered when a student is making decisions about whether, where and when to attend college. A student budget is used as an estimate of the amount of money it will cost a student to attend college. The budget includes allowances for tuition, fees, books, transportation, housing, food and personal expenses. Additional allowances may be made for unusual expenses such as dependent care costs.

Student budgets are set each year by CUNY. They reflect the average expenses of all students who are living with their parents or living away from their parents. Students with disabilities should speak to a financial aid counselor about budget adjustments for their special needs.

The 2007-2008 Hunter College budgets for full-time undergraduate students who are charged the NY State resident tuition rate are as follows for the 9-month period of the fall and spring semesters:

<table>
<thead>
<tr>
<th></th>
<th>Living With Parents</th>
<th>Living Away from Parents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$4,830</td>
<td>$4,830</td>
</tr>
<tr>
<td>Fees</td>
<td>$200</td>
<td>$200</td>
</tr>
<tr>
<td>Books &amp; supplies</td>
<td>$1,179</td>
<td>$1,179</td>
</tr>
<tr>
<td>Transportation</td>
<td>$986</td>
<td>$986</td>
</tr>
<tr>
<td>Housing</td>
<td>$1,655</td>
<td>$7,920</td>
</tr>
<tr>
<td>Item</td>
<td>Cost 1</td>
<td>Cost 2</td>
</tr>
<tr>
<td>--------------</td>
<td>--------</td>
<td>--------</td>
</tr>
<tr>
<td>Food</td>
<td>$1,105</td>
<td>$1,875</td>
</tr>
<tr>
<td>Personal</td>
<td>$1,733</td>
<td>$3,837</td>
</tr>
<tr>
<td>Total</td>
<td>$11,688</td>
<td>$20,827</td>
</tr>
</tbody>
</table>

*Note: Tuition charges are estimates for full-time New York State residents based on 2006-2007 tuition charges. Actual tuition charges for New York State residents, out-of-state residents and international students for full-time and part-time study can be found in the Schedule of Classes.*

*The Housing component of the Living Away from Parent budget is derived using average housing costs for a rental apartment in metropolitan New York and using the assumption that the student is sharing the cost of housing with a roommate. The Personal component includes an allowance for medical expenses and/or health insurance.*

### Student Resources

In reviewing the student budget, a prospective student should consider the resources they will have from earnings and savings, the amount that parents can contribute and any benefits the prospective student receives, such as Social Security, veteran’s benefits, unemployment or public assistance. Summer employment can help to meet the first costs of enrollment and the prospective student should plan to save money from summer earnings. Cash will be needed at the beginning of the school year for books, supplies and transportation.

### Packaging

Rather than using one source of funds to finance their education, students may receive a combination of funds from a number of programs for which they are eligible. This system for allocating aid is called packaging. Funds will be allocated first to meet the basic costs of attendance (tuition, books, transportation). If funding permits, other living expenses will then be addressed.

Applications for financial aid must be filed each year. FAFSA on the Web for the coming academic year is available starting on January 1.

### Study Abroad

Students who enroll in an overseas program of study approved by Hunter College are eligible to receive federal financial aid and, in some cases, state aid. The coursework for which they enroll must be applicable to their degree at Hunter College. Contact the Office of Programs Abroad at (212) 772-4983 for further information about study abroad.

### Student Eligibility

To be eligible for federal and state aid, a student must be a United States citizen or an eligible non-citizen who is making satisfactory academic progress toward a degree. Students who have defaulted on a loan or owe a repayment of a federal grant at any post secondary school must make satisfactory repayment arrangements with that institution before they will be eligible to receive aid at Hunter College.

### Satisfactory Academic Progress
All recipients of financial aid must be making satisfactory progress toward a degree. There are two different formulas used to make this determination, one for state aid and another for federal aid.

**State Program Eligibility**

In order to receive assistance from the Tuition Assistance Program (TAP) and the Aid for Part-time Study (APTS) Program, students must complete a minimum number of credits the prior semester, complete the appropriate number of cumulative credits and have the appropriate grade point average at the beginning of each semester of state-supported study. The chart below outlines these requirements. For example, to receive the fifth payment of TAP, a student would have to have completed 9 credits the prior semester for a total of at least 31 cumulative credits with a minimum grade point average of 2.00.

**Waiver of Academic Standing Requirements**

Students who become academically ineligible to receive assistance from state programs because of an unusual circumstance for which documentation can be provided (e.g., illness) may apply for a onetime waiver of the Satisfactory Academic Progress requirements. For further information, contact the Office of Advising Services at (212) 772-4882.

A change in legislation has created a uniform chart used to determine a student’s satisfactory academic progress. The following chart must be used for first-time undergraduate students beginning with the 2006-07 academic year.

**The following TAP academic progress and program pursuit charts are for undergraduate students**

**Students who received 1st TAP payment PRIOR to FALL 2006**

<table>
<thead>
<tr>
<th>To receive payment number</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9**</th>
<th>10**</th>
</tr>
</thead>
<tbody>
<tr>
<td>You must have completed* at least this many credits in the previous semester (Program Pursuit)</td>
<td>0</td>
<td>6</td>
<td>6</td>
<td>9</td>
<td>9</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>You must have accumulated this many credits toward your degree (Academic Progress)</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>18</td>
<td>31</td>
<td>45</td>
<td>60</td>
<td>75</td>
<td>90</td>
<td>105</td>
</tr>
<tr>
<td>You must have a GPA of</td>
<td>0</td>
<td>0</td>
<td>1.0</td>
<td>1.2</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
</tbody>
</table>
**Students who received 1st TAP payment beginning Fall 2006-2007 and thereafter**

<table>
<thead>
<tr>
<th>To receive payment number</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9**</th>
<th>10**</th>
</tr>
</thead>
<tbody>
<tr>
<td>You must have completed* at least this many credits in the previous semester (Program Pursuit)</td>
<td>0</td>
<td>6</td>
<td>6</td>
<td>9</td>
<td>9</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>You must have accumulated this many credits toward your degree (Academic Progress)</td>
<td>0</td>
<td>3</td>
<td>9</td>
<td>21</td>
<td>33</td>
<td>45</td>
<td>60</td>
<td>75</td>
<td>90</td>
<td>105</td>
</tr>
<tr>
<td>You must have a GPA of</td>
<td>0</td>
<td>1.1</td>
<td>1.2</td>
<td>1.3</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Students who received 1st TAP payment Fall 2010-2011 and thereafter**

<table>
<thead>
<tr>
<th>To receive payment number</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9**</th>
<th>10**</th>
</tr>
</thead>
<tbody>
<tr>
<td>You must have completed* at least this many credits in the previous semester (Program Pursuit)</td>
<td>0</td>
<td>6</td>
<td>6</td>
<td>9</td>
<td>9</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>You must have accumulated this many credits toward your degree (Academic Progress)</td>
<td>0</td>
<td>6</td>
<td>15</td>
<td>27</td>
<td>39</td>
<td>51</td>
<td>66</td>
<td>81</td>
<td>96</td>
<td>111</td>
</tr>
<tr>
<td>You must have a GPA of</td>
<td>0</td>
<td>1.5</td>
<td>1.8</td>
<td>1.8</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
</tbody>
</table>

*Complete is defined as anything other than a W, WU, WN, WF or WA.

**Only students in specialized five-year programs are eligible for more than eight semesters of undergraduate awards.

The Hunter College traditional academic retention standards remain in effect and supersede any other GPA requirements. The above regulations are only used to determine TAP eligibility.

**C Average Requirement for State Funded Student Financial Aid Eligibility Effective Fall 1996**
Effective with the 1996-97 academic year, Education Law section 661 requires that a student have at least a cumulative C average (2.0 on a 4.0 scale, or the equivalent) after the student has completed the second academic year of study. In practice, this requirement is interpreted to mean that a student must have a C average or better after the student has accumulated 24 payment points (received 4 semester payments or the equivalent) to be eligible for further awards. In other words, a student seeking a fifth semester award payment must have a C average.

**Transfer Students**

Institutions generally accept in transfer only courses in which grades of C or better were earned. Therefore, students with transferable credits who have already received four semester payments are presumed to meet the C average requirement and are eligible for the initial term at the new institution.

To determine the eligibility of transfer students, and institution may elect to include, for financial aid purposes, the grades earned for courses accepted in transfer providing this policy is applied to all financial aid applicants.

**Readmitted Students**

A student readmitted to an institution attended previously who has received two or more years of award payments must have a C average or better to receive further State student aid. The student's cumulative grade point average would be based on prior grades earned at the institution.

**New Course Repeat Rule for NY State Financial Aid**

As of May 1987, if a student repeats a course in which a passing grade acceptable to the institution has already been received, the course cannot be included as part of the student’s minimum full time or part-time course load for financial aid purposes. When such courses are included in meeting the minimum requirement, they render the student ineligible for a State award. In the following instances, repeated courses may count toward full-time or part-time study: (1) when a failed course is repeated; (2) when a grade received is passing at the institution but is unacceptable in a particular curriculum; and (3) when a course may be repeated and credit earned each time.

A student who earned a passing grade in a course but wishes to repeat the course in the hopes of improving the grade and overall grade point average cannot count the repeated course as part of the minimum course load.

**Notice to students changing their enrollment status or withdrawing after the third week of classes:**

If you change your enrollment status or withdraw after the third week of classes, your financial aid may be affected. Each financial aid program is different. Please obtain an Application to Withdraw form from the OASIS, Room 217 Hunter North and read it before withdrawing from class(es).

**Federal Program Eligibility**

The federal Satisfactory Academic Progress standard applies to students seeking assistance from all federal student financial aid programs available at Hunter College. To be eligible for federal aid, an undergraduate student must achieve at least the GPA required for probationary status at Hunter after two years of enrollment at the college; at least a C average or academic standing consistent with the requirements for graduation; and must also accumulate credits toward the degree according to the following standards:
A. Attempted credits are not more than 150% of the credits normally required for completion of the degree.

— and —

B. Accumulated credits are equal to or greater than two-thirds of the cumulative credits attempted at the institution.

If the standard in paragraph B is not met, eligibility may be retained by meeting conditional standards:

C. For students who are pursuing a baccalaureate degree, the accumulated credits must be equal to or greater than (75 percent times the cumulative credits attempted) minus 18.

Students will be measured against the satisfactory academic progress standard at the end of the spring term to determine eligibility for receipt of Title IV student financial assistance for the upcoming year.

This chart would be used by a student pursuing a BA degree requiring 126 credits. In this example, if you have attempted 36 credits, you must successfully complete at least 24. To maintain conditional eligibility, you must successfully complete 9 credits.

### Federal Programs

<table>
<thead>
<tr>
<th>Credits Attempted</th>
<th>Credits Completed</th>
<th>Credits Completed Conditional Standard</th>
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</table>
Federal Pell Grant

A Federal Pell Grant, unlike a loan, does not have to be repaid. Federal Pell Grants are awarded only to undergraduate students who have not earned a bachelor’s or professional degree. For many students, Federal Pell Grants provide a foundation of financial aid to which other aid may be added. The amount of Federal Pell Grant awards each year depends on program funding. The maximum Federal Pell Grant for the 2011-2012 award year is $5,550. The amount of the student’s Federal Pell Grant award depends on the student’s EFC, the cost of attendance, the student’s enrollment status (full- or part-time) and the number of terms the student attends during the academic year.

Campus-Based Programs

Federal Supplemental Educational Opportunity Grant (FSEOG) Program, Federal Work-Study (FWS) Program and the Federal Perkins Loan Program are considered campus-based programs because they are administered directly by the Financial Aid Office. How much aid a student receives depends on the student’s financial need, the amount of other aid the student will receive and the availability of funds. Students are encouraged to complete the FAFSA no later than May 1 in order to be considered for awards for the subsequent award year. When funds are no longer available, no more awards can be made that year.

Federal Supplemental Educational Opportunity Grants (FSEOG)

FSEOG is for undergraduates with exceptional financial need, that is, students with the lowest Expected Family Contributions (EFCs). An FSEOG does not have to be paid back. The amount of the FSEOG award the student may receive depends on when the student applies, the student’s level of need and availability of funds. There is no guarantee that every eligible student will receive an FSEOG award; students at each college are awarded based on the availability of funds in the university.

Federal Work-Study

The Federal Work-Study (FWS) Program provides jobs for students with financial need, allowing them to earn money to help pay educational expenses. The program encourages community service work and work related to the student’s course of study. The FWS salary will be at least the current federal minimum wage, but it may be higher, depending on the type of work the student does and the skills required. The total FWS award depends on when the student applies, level of need and availability of funds.

Federal Perkins Loans

A Federal Perkins Loan is a low-interest (5 percent) loan for students with exceptional financial need. Federal Perkins Loans are made through Hunter College as the lender and the loan is made with government funds. Students must repay this loan. Eligible students may borrow up to $3,000 for each year of undergraduate study. The maximum total amount an undergraduate can borrow is $15,000. The actual amount of the loan is dependent on financial need and the availability of funds.
William D. Ford Federal Direct Stafford Loan

The Federal Direct Student Loan Program, established by the Student Loan Reform Act of 1993, provides low-interest loans for students and parents. Under the Direct Loan Program, the federal government makes loans directly to students and parents through the college. There are three kinds of Direct Loans available through Hunter College:

Federal Direct Subsidized Loans are subsidized loans awarded on the basis of financial need (see financial need section above.) If you qualify for a subsidized loan, the federal government pays interest on the loan (“subsidizes” the loan) until you begin repayment and during authorized periods of deferment thereafter.

Federal Direct Unsubsidized Loans are unsubsidized loans, not awarded on the basis of need. If students qualify for an unsubsidized loan, they will be charged interest from the time the loan is disbursed until it is paid in full. Students can choose to pay the interest or allow it to accumulate. If students allow the interest to accumulate, it will be capitalized — that is, the interest will be added to the principal amount of the loan and will increase the amount that has to be repaid. If the interest is paid as it accumulates, the student will have less to repay in the long run.

Federal Direct PLUS Loans are loans that parents of a dependent student can borrow to pay for the student’s education.

Federal Direct Subsidized and Unsubsidized Loans

Matriculated students enrolled in an eligible program of study at least half-time may receive a direct loan. They must also meet other general eligibility requirements. (See Federal Program Eligibility section above.)

The maximum amount that may be borrowed under the Federal Direct Loan Program by a dependent undergraduate student is:

- $5,500 for first-year students enrolled in a program of study that is at least a full academic year;
- $6,500 if that student has completed the first year of study and the remainder of the student’s program is at least a full academic year;
- $7,500 a year if the student has completed two years of study and the remainder of the student’s program is at least a full academic year.

For periods of undergraduate study that are less than an academic year, the amounts that can be borrowed will be less than those listed above.

The maximum amount that may be borrowed under the Federal Direct Loan Program by an independent undergraduate student is:

- $9,500 if the student is a first-year student enrolled in a program of study that is at least a full academic year. (At least $6,000 of this amount must be in unsubsidized loans.)
- $10,500 if the student has completed the first year of study and the remainder of the student’s program is at least a full academic year. (At least $6,000 of this amount must be in unsubsidized loans.)
- $12,500 a year if the student has completed two years of study and the remainder of the student’s program is at least a full academic year. (At least $7,000 of this amount must be in unsubsidized loans.)

For periods of undergraduate study that are less than an academic year, the amount a student can borrow will be less than those listed above.
Note: Federal Direct Loans are not made to undergraduates enrolled in programs that are less than one-third of an academic year.

The total debt a student can have outstanding from all Federal Direct Loans and Federal Family Education Loan (FFEL) Program Loans combined is:

- $23,000 as a dependent undergraduate student;
- $57,500 as an independent undergraduate student (no more than $23,000 of this amount may be in subsidized loans).

For students whose Federal Direct Stafford Loans were first disbursed on or after July 1, 2006, the interest rate is variable, but it will never exceed 8.25 percent. The interest rate is adjusted each year on July 1. Students will be notified of interest rate changes throughout the life of their loan.

To apply for a Federal Direct Stafford Loan the student must complete the Free Application for Federal Student Aid (FAFSA), the Renewal FAFSA or FAFSA on the Web and complete a Federal Direct Loan Request on the Hunter College Financial Aid Office Web site at www.hunter.cuny.edu/finaid. Hunter College will certify the student’s enrollment, the student’s cost of attendance, the student’s academic standing, any other financial aid for which the student is eligible and the student’s financial need. Need is evaluated to determine if the student qualifies for a less costly subsidized Federal Direct Subsidized Loan.

Once a Federal Direct Loan is made, it is managed and collected by the U.S. Department of Education’s Direct Loan Servicing Center. The toll-free telephone number is 1-800-848-0979.

**Federal Direct PLUS Loans (for Parents)**

For parent borrowers, the Federal Direct Loan Program offers the Federal Direct PLUS Loan.

These loans enable parents with good credit histories to borrow to pay the educational expenses of each child who is a dependent undergraduate student enrolled at least half-time.

To be eligible to receive a Federal Direct PLUS Loan, parents are generally required to pass a credit check. If they do not pass the credit check, they may still be able to receive a loan if someone, such as a relative or friend, is able to pass the credit check, agrees to cosign the loan and promises to repay it if the student’s parents should fail to do so. Parents may also qualify for a loan even if they do not pass the credit check if they can demonstrate that there are extenuating circumstances. Students and their parents must also meet other general eligibility requirements for federal student financial aid.

The yearly limit on the Federal Direct PLUS Loan is equal to the cost of attendance minus any other financial aid for which a student is eligible. For example, if a student’s cost of attendance is $6,000 and the student is eligible for $4,000 in other financial aid, the student’s parents could borrow up to—but no more than—$2,000.

The interest rate is variable, but will never exceed 9 percent. The interest rate is adjusted each year on July 1. Parents will be notified of interest rate changes throughout the life of their loan(s). Interest is charged on the loan from the date the first disbursement is made until the loan is paid in full.

Parents will pay a fee of up to 4 percent of the loan, deducted proportionately each time a loan payment is made. A portion of this fee goes to the federal government to help reduce the cost of the loans. Also, if parents do not make their loan payments as scheduled, they may be charged late fees and collection costs. To apply for a Federal Direct PLUS Loan the student must complete the Free Application for Federal Student Aid (FAFSA), the Renewal FAFSA or FAFSA on the Web and the parent must complete a Federal Direct PLUS Loan Request on the Hunter College Financial Aid Office Web site at www.hunter.cuny.edu/finaid.
Federal Direct Consolidation

A Federal Direct Consolidation Loan is designed to help student borrowers simplify loan repayment. Even though a student may have several different federal student loans, a Consolidation Loan allows the student to make only one payment a month for all the loans the student may consolidate. The student may even consolidate just one loan into a Federal Direct Consolidation Loan to get benefits such as flexible repayment options.

Most federal student loans or PLUS Loans can be consolidated. The Direct Loan Servicing Center provides students with a complete listing of eligible loans. The toll-free telephone number of the Servicing Center’s Consolidation Department is 1-800-557-7392.

Federal Aid to Native Americans

Awards are granted to applicants who are at least one-quarter American Indian, Eskimo or Aleut and a member of a tribe, band or group on record with the Bureau of Indian Affairs. In addition, the student must be enrolled full-time in a degree-granting program and demonstrate need.

For further information or to obtain applications, write to:

Department of Education
Indian Fellowship Program
400 Maryland Avenue SW, Room 2177
Washington, DC 20202

New York State Financial Aid Programs

Tuition Assistance Program (TAP)

This grant is awarded to New York State residents who are enrolled full-time in a degree-granting program and meet the income criteria. To be eligible for a TAP award, each semester students must register for 12 credits which are directly attributable to their degree.

Students should consult with an adviser in the Office of Advising Services or their major department when planning their programs to ensure continued TAP eligibility. SEEK students should consult with their SEEK counselor.

Awards ranging from $200 to $5,000 are made to dependent students and independent students with dependents whose New York State taxable income is $80,000 or less or to independent students with no dependents if the taxable income is $10,000 or less. Students may receive awards for eight semesters; SEEK students may receive awards for ten semesters. A student with a disability that prevents attendance on a full-time basis may be eligible to receive TAP while attending on a part-time basis.

CUNY Student Tuition Assistance (CUSTA)

Students who are otherwise eligible for a maximum TAP award but whose award is reduced because they have received four semesters of payment may be eligible for a CUSTA award up to $100 a semester.

Aid for Part-Time Study (APTS)
This award provides assistance to students who attend less than full time, have accrued a minimum of 6 credits (not equated) and have not exhausted their TAP eligibility. In order to be eligible, a student must be a New York State resident and enrolled for at least 6 credits.

The legislature established the Aid for Part-time Study (APTS) program in 1984 in a new section 666 of the Education Law. Aid for Part-time Study is a different program from Part-time TAP (established in 2006) with different requirements. One difference is that there is no prior study (prior earned credits) requirement for APTS.

The program is campus-based: that is, individual campuses that decide to participate in the program select recipients and determine award amounts after HESC allocates funds based on an institution's prior year part-time degree credit enrollment. APTS is not an entitlement program and not all potentially eligible students will necessarily receive an award. Institutions have the discretion to determine policy for administering the program, to make the decisions, and to provide awards to students who demonstrate the greatest financial need until the institution's allotted funds are exhausted. Statute does not define need of specify how the need is to be determined.

**New York State World Trade Center Memorial Scholarships**

The World Trade Center Memorial Scholarship Program for study at the City University of New York is intended for victims, spouses and children of the victims who died or were severely disabled as a result of the September 11 terrorist attacks. The program also provides scholarships to the spouses and children of those who died or were severely disabled during ongoing rescue and recovery efforts, including firefighters, police officers, peace officers and emergency medical service workers.

The scholarships cover the cost of tuition, fees, books, supplies, transportation and room and board, if applicable, for four years of full-time undergraduate study or for five academic years of a program of academic study as defined by the Commissioner of Education.

Please note: the maximum allowance for students living on campus for the 2011-12 academic year is $10,160 plus a transportation allowance of $960. Commuter students are allowed a maximum room and board allowance of $3,320 plus a transportation allowance of $1,720. The maximum allowance for books and supplies is the same amount for both students living on campus and commuter students.

The scholarships were established by Governor George Pataki’s Executive Order 113 and related legislation to establish such a program, along with a CUNY Board of Trustees resolution.

Applications are available online at: http://www.hesc.com/Forms/WTC_scholarship_inst.html

**Veterans Tuition Award Program**

Eligible students are those who are New York State residents and discharged under honorable conditions from the U.S. Armed forces and who are:

- Persian Gulf Veterans who served in the Persian Gulf on or after August 2, 1990.
- Afghanistan Veterans who served in Afghanistan during hostilities on or after September 11, 2001.
- Veterans of the armed forces of the United States who served in hostilities that occurred after February 28, 1961 as evidenced by receipt of an Armed Forces Expeditionary Medal, Navy Expeditionary Medal or a Marine Corps Expeditionary Medal.

They must satisfy all other eligibility requirements including filing for TAP and Federal Pell Grants. Students must demonstrate good academic standing and meet college guidelines for pursuit of this awards program. Awards cannot
exceed the cost of tuition. After the initial year eligibility is established, students must re-file a supplement yearly. Supplements are available on request from New York State Higher Education Services Corporation (HESC) at (888) 697-4372. All applications must be completed by June 30th of the academic year for which an award is sought.

For more information see the HESC Web site at: http://www.hesc.com/bulletin.nsf/

**Army Reserve National Guard-Army Continuing Education System (ARNG-ACES)**

The New York State Army Reserve National Guard offers tuition assistance through two programs for full- and part-time students. All current and future members of the New York Army Reserve National Guard (ARNG) are eligible except for members serving on active or full-time duty and those on Active Guard Reserve status. ARNG members who also receive veterans’ benefits are not eligible. For full time students, the program is limited to tuition costs, instructional fees in lieu of tuition and laboratory or shop fees specifically required as a condition of enrollment in a course. Part-time students must be enrolled half-time (7 or fewer credits).

Commissioned officers must agree to remain in the ARNG for four years after the last course for which tuition assistance has been provided is completed. For more information on these programs, contact the Civilian Education Office at (518) 786-4500.

**State Aid to Native Americans**

Enrolled members of a New York State tribe and their children who are attending, or planning to attend, a college in New York State and are New York residents. Awards are made to all eligible applicants. There is no qualifying examination. Awards are available for two-, four- or five-year programs.

Eligible and/or certified American Indian students are eligible to receive grant awards of up to $2,000 per year for up to four years of full-time study (five years for specific programs requiring five years to complete degree requirements).

If funding is available, eligible students may receive aid for summer course work. Any aid a student receives for summer school study is deducted from the student’s maximum entitlement for four years of full-time college study.

Prorated amounts are available for students taking fewer than 12 credits. Contact Native American Education Unit, New York State Education Department, Room 374 Education Building, Albany, NY 12234. Call (518) 474-0537 for information. The deadlines are July 15 for the fall semester, December 31 for the spring semester and May 20 for the summer semester.

**Congressional Teacher Scholarship**

Congressional Teacher Scholarships are available to undergraduate students who agree to teach in areas in which there is a critical shortage of teachers. Recipients must agree to teach two years in the U.S. for each annual payment received. The service obligation must be fulfilled within 10 years of completing the undergraduate education program. Recipients who fail to meet these requirements must repay all or part of the award plus accrued interest.

Applicants must be or have placed in the top 10 percent of their high school graduating class and be New York State residents who are or will be enrolled in a specific program during the upcoming academic year. Winners receive up to $5,000 a year for a period of no more than four years of full-time undergraduate study. For more information or for an application, contact the Bureau of Higher and Professional Education Testing, Albany, NY 12230; (518) 474-6394.
Child of Veteran Award

Students, whose parent(s) served in the U.S. Armed Forces during specified periods of war or national emergency and, as a result of service, died or suffered a 40% or more disability, is classified as missing in action or was a prisoner of war, may be eligible for this award from New York State. The veteran must currently be a New York State resident or have been a New York State resident at the time of death, if death occurred during or as a result of service.

A recipient of a Child of Veteran Award can receive $450 a year for four years of undergraduate study without consideration of income or tuition costs. However, the combined Child of Veteran Award and TAP award may not exceed the amount of tuition charges. Students must initially establish eligibility by submitting a Child Of Veteran Award Supplement form with the New York State Higher Education Services Corporation (HESC) before applying for payment. For more information see the HESC Web site at: http://www.hesc.com/bulletin.nsf/

Memorial Scholarships for Families of Deceased Firefighters, Volunteer Firefighters, Police Officers, Peace Officers and Emergency Medical Service Workers

This award provides financial aid to children, spouses and financial dependents of deceased firefighters, volunteer firefighters, police officers, peace officers and emergency medical service workers who have died in the line of duty in service to the State of New York.

Memorial Scholarships provide funds to help meet the cost of attending college. The award covers up to four years of full-time undergraduate study (or five years in an approved five-year bachelor’s degree program).

Students must establish eligibility by submitting a Memorial Scholarship Supplement, which is available from the New York State Higher Education Services Corporation (HESC). Once eligibility has been established, the student must submit an application for payment by May 1 of the academic year for which payment of the scholarship is sought.

To apply for payment, the student must complete the FAFSA and apply for TAP. For more information see the HESC Web site at: http://www.hesc.com/bulletin.nsf/

Professional Opportunity Scholarships

Professional Opportunity Scholarships (for approved professional programs, e.g., accounting, architecture, engineering, nursing, occupational therapy, ophthalmic dispensing, pharmacy, physical therapy, dental hygiene, landscape architecture, physician’s assistant, law, podiatry, optometry, psychology, social work, veterinary medicine, speech/language pathology/audiology) are available to U.S. citizens and permanent New York State residents. Students must be enrolled full-time (matriculated) in an approved program of study in New York State. Students must practice in New York State for one year in their chosen profession for each annual payment received. Students must demonstrate good academic standing and meet college guidelines for pursuit of the program.

Recipients must be chosen in the following order of priority:

1. Economically disadvantaged (prescribed criteria) and a minority group member historically underrepresented in the profession.
2. Minority group member underrepresented in the profession.

3. Candidate who is enrolled in or is a graduate of College Discovery (CD), Search for Education, Elevation and Knowledge (SEEK), Educational Opportunity Program (EOP), Higher Educational Opportunity Programs (HEOP).

Awards range from $1,000 to $5,000 a year for up to four or five years in certain programs. TAP and some other benefits may supplement this award. Contact the college Financial Aid Office or the New York State Education Dept., Bureau of Post secondary Grants Administration, Cultural Education Center, Room 5B68, Albany, NY 12230, (518) 474-5705. Applications must be submitted each year. The deadline each year is May 1 of the award year. (Example: The deadline for 2011-2012 is May 1, 2011.)

Search for Education, Elevation and Knowledge (SEEK)

The SEEK Program provides financial aid and support services (concentrated counseling, remedial instruction, and tutoring) to educationally and economically disadvantaged students attending a senior or technical college. Applicants must be residents of New York State; have received a New York State high school diploma or equivalency; be ineligible for admission under normal standards, but demonstrate potential for completing a college program; and meet family income guidelines as determined by the state.

Students apply for entry to the SEEK program through CUNY Admissions. Students must file a FAFSA and provide the Financial Aid Office with supporting documentation to have their eligibility confirmed.

New York City Programs

Peter F. Vallone Academic Scholarship

The Peter F. Vallone Academic Scholarship Program is available to full-time students who enroll directly into a CUNY college no later than two semesters after graduating from a New York City high school, public or private. Vallone Scholarship recipients are awarded $1,250 per year. The CUNY Freshman Admission Application is used as the application for this scholarship. All Vallone Scholarship recipients must file a FAFSA each year.

Initial eligibility for the Vallone Scholarship is based solely on academic achievement in high school. In order to remain eligible, Vallone Scholarship recipients at Hunter College must continuously enroll as full-time, matriculated students and maintain a cumulative grade point average of 3.0 or higher. Baccalaureate degree students are eligible for a maximum of ten semesters of scholarship award.

Hunter College Scholarships, Awards, Prizes and Other Financial Assistance for Marticulated Students

Hunter College recognizes academic merit and need through a growing number of scholarship and fellowship programs. In general, these fall into two categories: scholarships and fellowships for incoming students; and scholarships, fellowships, awards and prizes for continuing students.
Incoming Students

There are several four-year scholarship opportunities for incoming first-year, full-time students, including the CUNY Macaulay Honors College financial package, Teacher Academy, Athena Scholarship, Dormitory Scholars Awards and Scholars Awards.

Continuing Students

Scholarship opportunities, awards and prizes for currently enrolled students are generally based on need, merit and, in some cases, area of study. The Office of Student Services publishes The Grants Guide, a resource listing of scholarship opportunities, which is available in the Office of Student Services, 1119 Hunter East and online at http://www.studentservices.hunter.cuny.edu/grant/.

Incoming and continuing students who wish to be considered for awards from scholarship funds administered through the college should submit a Hunter College Scholarship application, available online at the following websites:

http://studentservices.hunter.cuny.edu;

http://www.hunter.cuny.edu/finaid;


For more information, contact the coordinator of scholarship opportunities in the Office of Financial Aid (212) 650-3550.

Emergency Loan Program The emergency loan program was established to assist students with an immediate problem concerning essential needs for school-related expenses. The program provides emergency loans, primarily as a substitute for financial aid checks not available on distribution dates because of college error. Emergency loans are generally not given unless the student has a viable method of repayment, such as stipends, wages or expected financial aid loans. All emergency loans must be repaid prior to the end of the semester in which they are issued. All students receiving emergency loans must sign a limited Power of Attorney, which will allow the college to recoup funds that have been advanced.

Students may obtain information and request an emergency loan through the Financial Aid Office, 241 Hunter North or the Office of Student Services, 1103 Hunter East. Counselors in the Financial Aid Office help students with processing emergency loans.

This program is funded in part by a bequest from Sara Feldmesser, Class of 1918.

Other Sources of Financial Assistance Hunter College is committed to providing its students with the maximum amount of financial assistance available from government grants, loans and work-study opportunities. Information and assistance in obtaining financial aid is available from the OASIS, Room 217 Hunter North or by logging onto www.hunter.cuny.edu/finad.

Hunter College Foundation

Established in 1991, the Hunter College Foundation is dedicated to ensuring continued access to the highest quality public higher education and to helping Hunter maintain its longstanding reputation for academic distinction. Undergraduate scholarships and graduate fellowships may be set up in the Hunter College Foundation.
The Scholarship and Welfare Fund

The Scholarship and Welfare Fund of the Alumni Association, a not-for-profit group established in 1949, administers a number of funds to provide scholarships to students who otherwise might not be able to complete their education. For over fifty years, the Scholarship and Welfare Fund has contributed substantially to the education of Hunter College students. Contributions from alumni, friends, chapters and classes have provided the funds needed for this support.

Many endowed scholarships have been established through funds donated in the names of individuals, classes and chapters of the Alumni Association to provide assistance to students on the basis of both scholarship and financial need. They include college-wide awards and awards to graduating seniors.

Faculty of Hunter-Bellevue School of Nursing

Return to Faculty

Joan Arnold, Professor, Nursing; BS Columbia, MA, PhD NYU

Steven Baumann, Professor, Nursing; BSN Malloy, MSN Catholic, PhD Adelphi

Kenya Beard, Assistant Professor, Nursing; AAS Phillips Beth Israel, BS Excelsior, MS Stony Brook, EdD Dowling

Kunsoock Bernstein, BS Seoul National (Korea), MA NYU, PhD Adelphi

Mark Canning, Lecturer, Nursing. MSN UMDNJ, AAS Middlesex County, BS St. Peters

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Catherine D’Amico, Assistant Professor and Director of Undergraduate Programs, Nursing; MSN Hunter, PhD NYU

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Gail McCain, Professor and Joan Hansen Grabe Dean, Nursing; BA Baldwin Wallace, MA Kent State, MS SUNY Buffalo, PhD Case Western Reserve

Maria Luisa Mendoza, Coordinator of Student & Alumni Activities and Community Outreach, Nursing; BA New Paltz (SUNY)

Claudia Mitzeiotis, Instructor, Nursing; AAS Kingsborough (CUNY), BS Long Island, MS Pace (Pleasantville), NP, DNP UMDNJ

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Lynn Roberts, Assistant Professor, Urban Public Health; BS, Howard; PhD, Cornell

Katherine Rolland, Associate Professor Emerita, Urban Public Health; BS, Columbia; MS, Hunter; EdD, Fairleigh Dickinson

Diana Romero, Professor, Urban Public Health; BA, MA, NYU; MA, M.Phil, PhD, Columbia

Arlene Spark, Professor, Urban Public Health; BA, MS, MEd, EdD, Columbia
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Faculty of the School of Education

Faculty of the School of Health Sciences

Faculty in Medical Laboratory Sciences

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Dean Johnson, Professor, Medical Laboratory Sciences; BA Kalamazoo; PhD Wayne State
Regina Linder, Professor Emerita, Medical Laboratory Sciences; BS City College; MS Massachusetts (Amherst); PhD NYU

Shahana Mahajan, Assistant Professor, Medical Laboratory Sciences; MS University of Hyderabad, India; PhD Indian Institute of Science

Robert Raffaniello, Associate Professor, Medical Laboratory Sciences; BS CUNY (College of Staten Island); MS LIU; PhD NYU

Patricia Ryan, Assistant Professor, Medical Laboratory Sciences; BS Cook; MS, PhD UMDNJ

Film and Media Studies

Return to the School of Health Sciences

Kelly Anderson, Associate Professor, Film and Media Studies; BA Brown

Stuart B. Ewen, Distinguished Professor, Film and Media Studies; BA Wisconsin (Baraboo), MA Rochester, PhD SUNY (Albany)

Arnold Gibbons, Professor, Film and Media Studies; BA London (UK), MA, PhD Syracuse

Michael Gitlin, Assistant Professor, Film and Media Studies; BA Indiana, MFA Bard

Tami Gold, Professor, Film and Media; BA Friends World College

Steven Gorelick, Professor, Film and Media Studies; BA California (Riverside), MA Columbia, PhD CUNY

Bill Herman, Professor, Film and Media Studies; BA, MA Colorado State; PhD Penn

Karen Hunter, Distinguished Lecturer, Film and Media Studies; BA Drew

Michael J. Hurbis-Cherrier, Associate Professor, Film and Media Studies; BA Michigan, MFA Northwestern

Martin Lucas, Lecturer, Film and Media Studies; BFA NYU
Andrew Lund, Assistant Professor, Film and Media Studies; MFA, JD Columbia

Ivone Margulies, Associate Professor, Film and Media Studies; MA Fed. Univ. of Rio de Janeiro (Brazil), MA, PhD NYU

Joe McElhaney, Assistant Professor, Film and Media Studies; BA, MFA, PhD NYU

Gustave Mercado, Assistant Professor, Film & Media Studies; BA, MFA CUNY

Ricardo Miranda, Professor, BA University of California at Berkeley; MFA CMU

Greggory Morris, Assistant Professor, Film and Media Studies; BS, MPA Cornell

Peter Parisi, Associate Professor, Film and Media Studies; BA, MA Columbia, PhD Indiana

Isabel Pinedo, Associate Professor, Film and Media Studies; BA St. John’s, MA Chicago, PhD CUNY

Timothy Portlock, Assistant Professor, Film and Media Studies; BFA Kansas City Art Institute, MFA Chicago, MFA Illinois

James Roman, Professor and Chair, Film and Media Studies; BA, MA Brooklyn, EdD Fairleigh Dickinson

Laurence Shore, Assistant Professor, Film and Media Studies; BA Witwatersrand (South Africa), MA Pennsylvania, MA, PhD Stanford

Robert H. Stanley, Professor, Film and Media Studies; BA SUNY (Albany), MA Queens, PhD Ohio State

Bernard L. Stein, Professor, Film and Media Studies; BA Columbia

Shanti Thakur, Assistant Professor, Film and Media Studies; MFA Temple

Joel Stewart Zuker, Associate Professor, Film and Media Studies; BA Ohio State, MA, PhD NYU

Return to the Department of Film and Media Studies

Fire Safety Plan
Instructions

A. If you see a fire, do the following:

1. Call the Fire Department (911), or
2. Call the Public Safety Emergency Number (Security) (212) 772-4444, or
3. Pull the fire alarm.
4. Then, follow the procedures below:

B. Procedures

a. Evacuate your area.

b. Close, but do not lock, doors.

c. Follow instructions transmitted over the public address system.

d. Proceed to evacuate the building through designated exits.

e. Evacuate to street if not directed otherwise over the public address system.

f. Before entering any stairwell, touch the door with the palm of your hand. If it is warm or hot, do not enter the stairwell. Proceed to the next stairwell.

g. When leaving the building keep your head turned to the center of the stairway.

h. Walk downstairs—do not run. Do not panic. Remain calm.

i. It is dangerous to use elevators during an evacuation. Only use elevators when authorized to do so by fire emergency personnel.

j. When using the down escalators, make long and wide turns going from one escalator to the next escalator in order to prevent congestion.

k. When you are outside the building, move away from the entrance approximately 200 feet.

l. Wait for the all-clear signal before re-entering the building.
This Fire Safety Plan for the Disabled is established to provide for the safety of the disabled members of the Hunter College community and disabled visitors to the college in the event of a fire or other life-threatening emergency. The plan will be implemented in any situation in which there may be a need to relocate disabled persons to a safe location.

The Fire Safety Plan for the Disabled identifies the New York City Fire Department as the agency having the primary responsibility for relocating any disabled person from an endangered floor to a safe location. However, if the Fire Department or other New York City emergency agency response is not exercised in a timely fashion and the situation requires immediate removal of disabled persons, Public Safety and Security Personnel will transport such individual or individuals to a safe location.

The Fire Safety Plan for the Disabled is a part of the Hunter College Fire Safety Plan. All faculty, staff and students are advised to read and be fully familiar with the entire Fire Safety Plan.

Instructions

A. If you see a fire, do the following:

1. Call the Fire Department (911), or
2. Call the Public Safety Emergency (Security) number, 772-4444, or
3. Pull the fire alarm.
4. Then, follow these procedures:

B. Procedures for the Disabled

1. During an emergency, the entire floor may or may not need to be evacuated. In either case, when you hear the emergency alarm, assemble by any exit door near the elevators.
2. Do not enter the stairwell. Do not use an elevator unless directed by the Fire Department.

Relocation Procedures for the Disabled

If it is necessary to evacuate the entire floor, a member of the Fire Department will search the entire floor to locate disabled persons. The emergency personnel will remove you to a safe location by elevator or stairwell. A notice containing these procedures shall be placed on each floor.

Hunter North-Special Instructions

1. In Hunter North, go to the area near the Fire Tower. The entrance to the Fire Tower is located at the north end of the west corridor (the corridor parallel to Park Avenue).
2. Do not enter the Fire Tower stairwell unless the major portion of the college community has completed its descent.

Other Precautions
1. Remain calm. Your safety and the security of others depend on the absence of panic.

2. Before entering any stairwell, touch the door leading into the stairwell. If the door is warm or hot, do not open or enter the stairwell. Proceed to the next stairwell.

3. If you cannot reach a stairwell near an elevator and you are in an office or classroom and have access to a phone, call Security at 772-4444. Disabled persons and persons who are trapped are the only persons who should call Public Safety during a fire emergency.

4. If you are in an area with a door and cannot reach an exit near the elevators, seal the crack around the door with rags or clothing.

5. Public Safety and Security has a chart indicating all the special rooms in the library designed for use by the disabled. These rooms will be checked during a fire emergency.

**What Emergency Personnel Will Do**

1. The person who searches the floor will report your location to the fire command station. The fire command station will inform the Fire Department of your location.

2. If you are in need of relocation and the Fire Department is not available to relocate you, a member of the Public Safety and Security Department will relocate you to a safe location.

3. If necessary, you will be relocated to a safe floor or taken out of the building.

**Orientation**

1. Orientation to the Fire Safety Plan, including the relocation procedures, will be provided for disabled faculty, students and staff yearly under the auspices of the 504 Committee.

2. Orientation for new disabled students will be included in the orientation program for entering freshmen.

3. Instructions regarding the Fire Safety Plan and Relocation Procedures will be included in the regularly conducted fire drills.

**Locating Disabled Persons**

A. Public Safety maintains class schedules for disabled students and work schedules for disabled faculty and staff. These schedules will be used to assist emergency personnel to locate disabled persons in an emergency.

B. Students are responsible for reporting their class schedules, their work schedules and schedule changes to the Coordinator for Disabled Student Services (Room 1100 Hunter East).

C. Disabled faculty and staff are responsible for reporting their work schedules and schedule changes to the director of personnel (Room 1502A Hunter East).

**Responsibility for Implementation**

The director of the Department of Public Safety is responsible for the implementation of the Fire Safety Plan.
**Distribution**

The Fire Safety Plan for Disabled Persons will be distributed to all faculty, students and staff who have identified themselves as disabled. The Fire Safety Plan for the Disabled will be distributed with the Hunter College Fire Safety Plan.

**Fire Safety Plan for Disabled Persons**

**Assembling and Relocation Procedures**

**When there is a fire alarm in one of the college’s buildings** disabled persons who are unable to walk down steps should assemble at one of the Disabled Persons Fire Emergency Assembly Areas (DPFEAA).

These areas are located on every floor of Hunter’s four buildings in the immediate vicinity of each building’s elevators. They are near the two stairwells closest to the elevators. The areas are identified by wall signs that identify the area as a Disabled Persons Fire Emergency Assembly Area.

During a fire alarm, fire wardens, fire searchers and security personnel have been directed to communicate the number, the location and the status of all disabled persons via Fire Warden Phones or through security personnel to Hunter College’s Fire Command Station. The public safety person at the Fire Command Station will notify members of the New York City Fire Department of the status of all disabled persons in the building as soon as the firefighters arrive on the campus.

No person should ever use an elevator in a fire unless so directed by Fire Department personnel. Using an elevator in a fire is extremely dangerous. The college has been informed by the Fire Department that the use of elevators in a fire has, in many cases, resulted in many unfortunate and unnecessary deaths.

The New York City Fire Department has informed Hunter College that the Fire Department has the primary responsibility to determine if elevators can be used to transport disabled persons during fire emergencies. Fire Department officials also state that they are responsible for relocating disabled persons to a safe location if such relocation is necessary.

The New York City Fire Department considers transporting disabled persons in an emergency a highly risky procedure. The relocation process may subject disabled persons and other persons to accidents and injuries. However, if it is necessary to relocate disabled persons during an emergency, the Fire Department will handle the relocation of disabled persons, using safe procedures and experienced Fire Department personnel.

**If elevators can be used during a fire alarm** the Fire Department considers use of the elevators to be the best method of relocation because it is practical, safe and efficient. This explains the Fire Department’s position of advocating emergency assembly areas for disabled persons. (The Fire Department often refers to this type of assembly area as a refuge area.)

**When there is a report of a fire alarm in the building** (note: The alarm may be a false alarm or the fire may be in a small section of the building) if disabled persons are not in any danger from the fire or its smoke, the Fire Department does not automatically recommend the relocation of disabled persons. In most cases, the Fire Department would not recommend that such persons be removed from the building. Instead, the Fire Department would recommend that such persons be moved to a safe location within the building.

*Note: It is extremely important that the Hunter College community understand the procedure of the New York City Fire Department for evacuating a building that is experiencing a fire. Everyone in the building should not automatically be
evacuated to the street. Nor should everyone be relocated within the building. This is the policy for ambulatory persons as well as non-ambulatory persons.

If you have any questions regarding the standards used to determine the need for evacuating the buildings, call the Director of Public Safety and Security at (212) 772-4521.

When Public Safety Offices Will Relocate Disabled Persons if, for any reason, a disabled person is in imminent danger due to fire, smoke or similar circumstances on campus and members of the Fire Department are not present to relocate the disabled person, Public Safety Officers and other members of the College Fire Brigade will assume the responsibility of relocating that person to a safe location.

Public Safety Officers and members of the Fire Brigade operating under the direction of the Fire Safety Director will take command and make immediate arrangements to have the appropriate disabled person(s) moved to a safe location if necessary.

Note: The Public Safety Officer in charge of the evacuation process will determine the number of carriers needed to relocate a disabled person. Factors to be considered when making these assignments will be the weight of the disabled person, the weight of the wheelchair, the width of the staircase and any other factors that are deemed necessary to successfully carry out these functions without accidents.

Procedures:

Person Who Is Visually Impaired

A disabled person who is visually impaired and has to be relocated, but is able to walk downstairs, will be personally escorted to a safe location by a Public Safety Officer, a Fire Warden, a Fire Searcher, or a member of the college Fire Brigade.

Person Who Has a Hearing Impairment

A person who has a hearing impairment will be alerted to a fire alarm by a Public Safety Officer, a Fire Warden, a Fire Searcher, or a member of the College Fire Brigade. Those disabled persons will be escorted to a safe location if necessary.

Special Caution on Lifting and Carrying Disabled Persons

Before lifting any disabled person, carriers will, if possible, ask the disabled person how they should be lifted. Disabled persons know better than anyone else how they should be lifted or carried in order to avoid any unnecessary injuries to the disabled person.

For Your Safety

The Hunter West Building is equipped with Fire Emergency notification devices. It is the responsibility of everyone to become familiar with their location and their use. These Fire Emergency notification devices consist of the following:

Fire Alarm
The Fire Alarm Pull Stations are small, red boxes. They are wall mounted and located next to a fire exit. Printed on these pull stations is PULL HERE IN CASE OF FIRE.

To activate the Fire Alarm Pull Station, follow these steps:

1. Pull down the RED lever on the Fire Alarm Pull Station box. This will cause the fire alarm to sound on the fire door and on the floor above. In addition, it will send a signal to the Fire Command Station. The Fire Safety Director at the Fire Command Station will carry out the fire emergency procedures. Make yourself familiar with them now, so that in an emergency you will know what to do.

2. During a fire alarm, Fire Wardens, Fire Searchers and Public Safety Officers have been directed to communicate the number, the location and the status of all disabled persons via Fire Warden phones to the Fire Command Station. The Fire Safety Director will notify members of the New York City Fire Department regarding the status of all disabled persons in the building as soon as the Fire Department arrives on campus.

   Note: It is extremely important that the college community understand the protocol of the New York City Fire Department for evacuation of a building that is experiencing a fire. Everyone in the building should not automatically be evacuated to the outside, or, for that matter, be relocated within the building. This is the policy for ambulatory persons as well as non-ambulatory persons.

If you have any questions regarding the various parameters used to evaluate the necessity of evacuation, please consult with the fire safety director at Ext. 4521.

**Geography**

Return to the Faculty of the School of Arts and Sciences

Sean C. Ahearn, Professor, Geography; BS SUNY (Environmental Science and Forestry), MS, PhD Wisconsin (Madison)

Jochen Albrecht, Associate Professor, Geography; BS, MS Hamburg, PhD Vechta (Germany)

Frank S. Buonaiuto, Assistant Professor, Geography; BS, MS, PhD SUNY (Stony Brook)

Allan Frei, Associate Professor, Geography; BA, MS NYU, PhD Rutgers

Hongmian Gong, Assistant Professor, Geography; BS, MS Zhongshan (China), MA Akron, PhD Georgia

Charles A. Heatwole, Professor, Geography; BA Florida Atlantic, MA, PhD Michigan State

Mohamed B. Ibrahim, Assistant Professor, Geography; BA, MA Khartoum (Sudan), PhD Alberta (Canada)

Teodosia Manecan, Lecturer, Geography, BS Babes-Bolyai Cluj (Romania), PhD Bucharest (Romania)

Ines Miyares, Professor, Geography; BA, MA Cal State (Stanislaus), PhD Arizona State
Wenge Ni-Meister, Assistant Professor, Geography; BS Nanjing Institute, MS Chinese Academy of Sciences (China), MS Connecticut, PhD Boston College

Rupal Oza, Associate Professor, Geography; MA Temple, PhD Rutgers

Marianna Pavolovskaya, Associate Professor, Geography; MA Moscow (Russia), PhD Clark

Randye Rutberg, Assistant Professor, Geography; BA Barnard, MA, PhD Columbia

Haydee Salmun, Associate Professor, Geography; BS Buenos Aires (Argentina), MS Missouri, PhD Johns Hopkins

William Solecki, Professor, Geography; BA Columbia, MA, PhD Rutgers

Traci Warkentin, Assistant Professor, Geography, BS British Columbia, MA Lancaster (United Kingdom), PhD York (Ontario)

Return to the Department of Geography

German

Lisa M. Anderson, Associate Professor, German; BA Rutgers, MA, PhD Pennsylvania

K. Eckhard Kuhn-Osius, Associate Professor, German; BA McPherson, MA, PhD Colorado

Elke Nicolai, Associate Professor and Chair, German; BA, MA, PhD Siegen (Germany)

Return to the German Department

Health Care Preparation Program

Health Careers Preparation Post-Baccalaureate Certificate

Return to: Health Careers Preparation
The Post-Baccalaureate Certificate in Health Careers Preparation Program is designed for students who wish to enter a professional program in the health sciences but whose undergraduate education does not meet the requirements for these programs.

Admission Criteria

We encourage prospective students who meet the admission criteria to apply to our certificate program. All applicants must:

- Hold a baccalaureate degree from an accredited institution with a minimum overall GPA of 3.00 (students with undergraduate degrees in progress are not eligible to apply).
- Apply for admission to City University of New York (CUNY), Hunter College.
- Submit a completed Post-Baccalaureate Certificate Program supplemental application.
- Demonstrate their commitment to a career in the health professions through paid or volunteer experience.

Application Procedures

Admission to the program is limited to the Fall semester. Application to the program is a two-step process. Applicants must refer to the CUNY Application Portal (https://portal.cuny.edu/id/cuny/documents/informationpage/006373.htm) to apply for admission using an undergraduate application to CUNY, Hunter College. All students in the Post-Baccalaureate Certificate Program must matriculate as Undergraduate Second Degree candidates. The 4-digit code for Hunter's Post-Baccalaureate Certificate Program is 0339, and this must be selected in order for the student to be considered for the program. All students must submit their official transcripts directly to CUNY through the CUNY Application Portal. High school transcripts are NOT required. For the second step of the process, prospective students must also submit a supplemental application directly to the Pre-Health Office at Hunter College. The supplemental application is completed electronically and is available on the Pre-Health website in mid-Fall.

Deadlines

Both CUNY and supplemental applications must be received (by CUNY and the Hunter College Pre-Health Office) by January 1 of each year to be considered for admission to the Program in the Fall. Applications received after January 1 will not be considered.

Program Requirements

To complete the Program, all Post-Baccalaureate Certificate students starting in fall 2010 and after must:

- Complete one year of college-level English. This requirement can be fulfilled by undergraduate transfer credit and/or by taking courses at Hunter College.
- Complete one year of college-level mathematics beyond pre-calculus. This requirement can also be fulfilled by undergraduate transfer credit and/or by taking courses at Hunter. There are two ways to fulfill this requirement at Hunter:
  1. MATH 15000 (calculus) and MATH 15500 (calculus II)
  2. MATH 15000 (calculus) and STAT 21300 (STAT 113 does not fulfill this requirement)
- Complete 38 credits in science(biology, chemistry or physics) at Hunter College.
- Maintain a 3.3 GPA for every semester in the program with no individual course grade below B-.
• Provide 56 hours of service to the Hunter College Community during their time in the program. Tutoring in science courses, mentoring undergraduate students, and assisting with activities sponsored by the Pre-Health Office are examples of activities that fulfill the service commitment requirements.
• Obtain a committee letter from the Pre-Health Advisory Committee at Hunter College.

Courses and Requirements

The exact titles and sequence of courses for Post-Baccalaureate students depend on their individual academic needs and availability of courses at Hunter College each semester. Students typically take 9–12 credits of mathematics/science per semester but individual students' course loads can vary depending on their schedules of extracurricular activities and other factors.

In addition to the mathematics and English requirements stated above, typical course work for pre-health students includes the following:

• One year of general biology with lab: BIOL 10000 and BIOL 10200 (4.5 credits each, including lab) offered in fall and spring semesters, respectively.
• One year of general chemistry with lab: CHEM 10200 and CHEM 10400 (lecture, 3 credits each) and CHEM 10600 (lab, 3 credits). CHEM 10400, which serves as a pre-requisite to CHEM 10600 may be taken concurrently to satisfy requirements.
• One year of general physics with lab: PHYS 11100 and PHYS 12000 (4.5 credits each, including lab).

Additional Courses

Students may use classes from the following list of upper division biology and chemistry courses to fulfill the requirements for the program:

Courses

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
BIOL 30600 - Developmental Biology

GER 3/B
Major topics include molecular and cellular mechanisms of early embryonic development in amphibians, mammals and model organisms such as Drosophila, as well as the related subjects of vertebrate organ system development, biology of stem cells and animal cloning. Emphasis is placed on seminal and current research in cell-cell communication, signal transduction and differential gene regulation in developmental processes.

*prereq: BIOL 30000*

3 hrs (lec)3 cr.

BIOL 35000 - Cancer Biology

GER 3/B
Control of cell division examined in the context of cancer, which is the loss of this control. Topics include: cell culture, the cell cycle, hormones, receptors, intracellular signal transduction, oncogenes, tumor suppressor genes and the etiology of human cancer.

*prereq: BIOL 20200, 30000, or perm instr.*

3 hrs (lec)3 cr.

BIOL 36000 - Cellular and Molecular Immunology

GER 3/B
Study of the immune system from a molecular perspective. Molecular genetics of antibody and T cell receptor diversity, hematopoiesis and lymphocyte development, humoral and cellular immunity, histocompatibility.

*prereq or coreq: BIOL 30000, perm instr.*

4 hrs (3 lec, 1 disc)3.5 cr.

BIOL 37000 - Physiology of the Nervous System

GER 3/B
A comprehensive introduction to neuroscience. Topics include how nerve cells (neurons) transmit electrical impulses, how neurons communicate with each other through synapses and how nerve pathways and networks determine many functions of the brain. The last portion of the course shall explore how developing neurons seek out targets and establish synapses.

*prereq: BIOL 30000 or perm instr.*

4 hrs (lec)4 cr.

BIOL 37500 - Molecular Systematics

GER 3/B
An overview of the various methods and kinds of data used in systematics, the study of organism diversity and biological relationships. Emphasis is on modern molecular and genetic approaches to identification of individual species and strains and full phylogenetic analyses of suites of species to determine their evolutionary history. The knowledge base is provided for experimental investigation of questions of current interest in phylogeny and population
biology.
prereq: BIOL 30000 or perm instr.
3 hrs3 cr.

BIOL 37600 - Endocrinology

GER 3/B
Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of metabolism and reproduction; integration of endocrine responses by the central nervous system.
prereq: BIOL 20200 or perm instr.
3 hrs (lec)3 cr.
spring only

BIOL 38000 - Molecular Neurobiology

GER 3/B
Molecular components and molecular mechanisms involved in the cell biology of neurons and glia, neuronal signaling, neuronal development, learning, memory and diseases of the nervous system.
prereq: BIOL 30000 or perm instr.
3 lec hrs3 cr.
fall alternate years

CHEM 37600 - Biochemistry I

GER 3/B
Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

prereq: CHEM 22400
4 hrs (3 lec, 1 rec)3 cr.
offered fall

CHEM 37700 - Biochemistry II

GER 3/B
Biosynthesis of lipids, amino acids, carbohydrates. Muscle contraction, hormones, immune response, DNA sequencing.

prereq: CHEM 37600 or BIOL 30000 or perm instr.
3 hrs3 cr.
offered spring

CHEM 37800 - Biochemistry Laboratory

GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of biochemistry such as protein analysis, enzyme purification, enzymatic assays, recombinant DNA and the polymerase chain reaction.

prereq: CHEM 22300 and CHEM 37600 or CHEM 64000
5 hrs (4 lab, 1 rec)3 cr.

List of Minimum Pre-Health Course Requirements (with prerequisites)
One year of English (6 credits)

**MATH 12500 - Precalculus**

GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.

*prereq: grade of C or better in MATH 10100 or appropriate score on placement exam*

4 hrs 4 cr.

(Placement testing and transfer credit will determine if you need this course or if you need to take another math course prior to pre-calculus)

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*

4 hrs 4 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

*prereq: grade of C or better in MATH 15000*

4 hrs 4 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

*prereq: MATH 12500 or appropriate score on placement exam.*

3 hrs 3 cr.

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

*prereq: MATH 10100 or equivalent*

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

fall only

**BIOL 10200 - Principles of Biology II**
GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**CHEM 22300 - Organic Chemistry Laboratory I**

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.
prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs2.5 cr.
CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prerequisite for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

CHEM 22500 - Organic Chemistry Laboratory II

GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
prereq or coreq: CHEM 22400
5 hrs 2.5 cr

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.

prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.

prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

Note

Please refer to the Pre-Health Office website and publications for information regarding the specific coursework and extracurricular activities required by the individual health professional schools.

Time to Completion

Students must complete all of the required courses within 36 months in order to receive the certificate. A typical post-baccalaureate student completes the minimum coursework required to take standardized tests such as the MCAT or DAT within two years. However, many students go on to take additional upper division courses recommended by many health professional schools during the third (application) year. Decisions about professional school admissions are usually made one year after applications are submitted so most students apply to these schools after completing their second year in the Post-Baccalaureate Certificate Program, with the intention of matriculating a year later.

HEGIS Code List

Return to General Information
Degree, Certificate and Diploma Programs

The following undergraduate degree, graduate degree, advanced certificate and combined undergraduate/graduate degree programs are offered.

These programs have been approved by the New York State Education Department and are listed in the Inventory of Registered Programs http://www.nysed.gov/heds/irpsl1.html. The Higher Education General Information Survey (HEGIS) code numbers appear next to the appropriate program.

Students are advised that enrollment in other than registered or otherwise approved programs may jeopardize their eligibility for certain student aid awards.

For specific information on a particular undergraduate program – including faculty, admission and degree requirements and course descriptions – consult the appropriate section of this catalog.

For specific information on graduate and advanced certificate programs, consult the Hunter College Graduate Catalog.

School of Arts and Sciences

Click here to view the HEGIS Codes for the School of Arts and Sciences.

School of Education

Click here to view the HEGIS Codes for the School of Education.

School of Health Professions

Click here to view the HEGIS Codes for the School of Health Professions.

Hunter-Bellevue School of Nursing

Click here to view the HEGIS Codes for the School of Nursing.

School of Social Work

Click here to view the HEGIS Codes for the School of Social Work.

Programs not currently accepting students

Click here to view the HEGIS Codes for the Programs not currently accepting students.

History
Angelo Angelis, Assistant Professor, History; BA, MA Hunter, PhD CUNY

Richard Belsky, Associate Professor and Chair, History; BA Massachusetts (Amherst), MA Cornell, MA, PhD Harvard

Manu Bhagavan, Associate Professor, History; BA Carleton, PhD Texas

Eduardo Contreras, Assistant Professor, History; BA Amherst, MA, PhD Chicago

Devin Fergus, Assistant Professor, History; BA, MA North Carolina State, MA, PhD Columbia

Donna Haverty-Stacke, Assistant Professor, History; BA Georgetown, MA, PhD Cornell

Thomas Head, Professor, History; AB, MA, PhD Harvard

Benjamin Hett, Associate Professor, History; BA Albertam, MA Toronto, MA, PhD Harvard

Daniel Hurewitz, Assistant Professor, History; BA California, MA Harvard, PhD California (Riverside)

Karen Kern, Associate Professor, History; BS Skidmore, MA, MPH, PhD Columbia

Dániel Margócsy, Assistant Professor, History; BA University College Utrecht, MA PhD Harvard

Bernadette McCauley, Associate Professor, History; BA Hunter, MA, PhD Columbia

Mary Roldán, Dorothy Epstein Distinguished Professor, History; BA Harvard-Radcliffe, MA, PhD Harvard

Jonathan Rosenberg, Associate Professor, History; MA, PhD Harvard

Laura S. Schor, Professor, History; BA Queens, MA, PhD Rochester

Robert M. Seltzer, Professor, History; BA Washington University, MA Yale, PhD Columbia

Barbara Ann Welter, Professor, History; BA Rosary, MA, PhD Wisconsin (Madison)
Human Rights

About the Program

The Human Rights Program examines the theory and practice of human rights, combining academic training with hands-on experience. By exploring the philosophical foundations and legal framework of human rights, as well as addressing current political, social and economic realities, the program seeks to give students the tools necessary to engage intelligently with contemporary human rights problems. Among the thorny issues students may examine are indigenous peoples’ rights to natural resources, the limits of freedom of expression, the problem of corporate complicity in rights violations, the legitimacy of humanitarian intervention, and the problem of enforceability (both of economic, social, and cultural rights, and of civil and political rights).

An interdisciplinary program, the Human Rights Program offers courses in political science, anthropology, sociology and history, among other fields of study. Students may follow either of two academic tracks: a 15-credit minor in human rights, or 24-credit certificate. A key element of both tracks is the human rights internship, which gives students direct experience with the researchers, advocates, lawyers and analysts who make up the human rights movement.

Both the minor and certificate in human rights are good preparation for a career in government, at a nongovernmental organization, or in a regional or international agency. Many students may choose to go on to law school, journalism school or a graduate program. Whatever their career choice, their knowledge of human rights will make them more thoughtful and informed citizens.
Courses

Human Rights Courses

Administration and Faculty

Director of the Human Rights Program and Program Adviser:

Joanne Mariner
Roosevelt House-RH 404
212-396-6564
jmariner@hunter.cuny.edu

Program Chair:

John R. Wallach (Professor, Political Science)
212 772-5671
1721 West
jwallach@hunter.cuny.edu

Faculty

Human Rights Faculty

HR 20000 - Introduction to Human Rights: History, Discourse, Practice (W)

GER 3/B PD/D
An introduction to the study of human rights. It explores the historical, philosophical, and legal roots of human rights as a political idea and institutionalized practice. It also addressed the contested nature of human rights as an idea and practice in contemporary societies. In addition to providing an introduction to the subject, the course is a requirement for students minoring in Human Rights or pursuing a Human Rights Certificate.

In order to pursue a Human Rights minor or Certificate, a student must receive at least a B (3.0) in this course. Students should take this introductory course in their sophomore year but must take it no later than the first semester of their junior year.

This is a writing intensive course.
prereq: ENGL 12000 or equivalent; one course in ethics, political philosophy, political theory, sociological theory, or permission from the instructors.
3 hrs3 cr.
fall and spring

HR 25000 - Human Rights Internship

This is a practicum course. It involves students participating in an organization that identifies its mission as the promotion of human rights. The aim of the course is to educate students in the practical dimension of translating human rights discourse and law into practice. The course is required for students seeking a Human Rights Certificate or a minor in Human Rights.
prereq: ENGL 12000 or equivalent; HR 20000 or equivalent
3 hrs 3 cr.

HR 26000 - Human Rights Internship Seminar (W)

This course critically evaluates the role of human rights organizations and human rights practices in determining the meaning and value of human rights.

prereq: ENGL 12000 and HR 20000
prereq or coreq: HR 25000
3 hrs 3 cr.
Offered spring 2012; not offered fall 2011

HR 35000 - Human Rights Capstone Seminar (W)

This course involves the theoretical examination of constitutive problems in the discourse and practice of human rights, especially as they would inform the composition of a human rights academic research project. It requires participating students to present their research projects in the seminar and to compose a 20-25 page research paper on a human rights topic.

This course is specifically designed for students who are pursuing a Certificate in Human Rights.

This is a writing intensive course.
prereq or coreq: HR 26000
Offered spring 2012; not offered fall 2011

Hunter College Mission Statement

Return to General Information

Hunter College of the City University of New York, a distinguished public university, values learning in the liberal arts and sciences as a cornerstone of individual development and a vital foundation for a more just and inclusive society. Continuing our long tradition of expanding opportunity, we welcome students from all backgrounds to engage in a rigorous educational experience that prepares them to become leaders and innovators in their communities and in the world. Hunter also contributes to intellectual discourse by supporting excellent scholarship and creative activity by its accomplished faculty.

Hunter undergraduate, graduate, and professional curricula challenge students to think critically – to approach problems from multiple perspectives, distinguish the questions each raises, and recognize the kinds of evidence each values. The college’s academic programs stress the significance of human diversity, emphasize research and artistic creation, and invite students to extend their education beyond campus. We cultivate the qualities our graduates need to thrive in their chosen careers and make a difference as active citizens.

We embrace our setting at the heart of New York City – we seek to draw on its energy, capitalize on its remarkable resources, weave it into the fabric of our teaching, research, and creative expression, and give back to it through our service and citizenship.

Hunter College of The City University of New York
Hunter College Policy on Academic Integrity: Procedures for Academic Dishonesty

I. Procedure for Academic Sanctions

a. When the faculty member suspects academic dishonesty and wants only an academic sanction, the professor should first confer with the student. If the student admits to the violation, the instructor should inform the student of the grade penalty and report the action taken on the “Report Form: Academic Dishonesty-Academic Sanctions” to the Hunter College Academic Integrity Official, currently, Sharmeen Ahmed, in the Office of Student Services, room 1131 East.

b. If the student admits to academic dishonesty but believes the grade penalty is too severe, the instructor should fill out the appropriate line on the “Report Form: Academic Dishonesty-Academic Sanctions” to the Hunter College Academic Integrity Official. The instructor shall submit the grade at the end of the semester. At that point, the student may contest the grade sanction by appealing the course grade through the college’s grade appeal procedure. Once the student has admitted the violation, s/he may contest only the severity of the grade sanction, not the dishonesty allegation itself. If the student appeals the grade, the departmental and Senate grade appeals committees should send copies of their findings to the Hunter College Academic Integrity
c. If the student denies the allegation of academic dishonesty, the faculty member will report that this is the student’s position on “Report Form: Academic Dishonesty-Academic Sanctions.” The matter will then be reviewed and a judgment rendered by the Academic Integrity Review Committee (described below).

d. Students who either admit to an act of academic dishonesty or are found to have committed one by the Academic Integrity Review Committee will receive a letter from Hunter College Academic Integrity Official notifying them that this matter has been reported to the Office of Student Services. When an academic dishonesty accusation is resolved by the Academic Integrity Review Committee, the student and faculty member will be notified of the findings.

II. Procedure for Disciplinary Sanctions

a. If the faculty member suspects academic dishonesty and seeks a disciplinary sanction (see “Report Form: Academic Dishonesty-Disciplinary Sanctions” for a list of options), which may also include an academic sanction, the faculty member should submit the following “Report Form: Academic Dishonesty-Disciplinary Sanctions” to the Hunter College Academic Integrity Official. (Disciplinary sanctions are not issued when only academic sanctions are sought. The college always retains the right, however, to bring disciplinary charges against the student if there is a history of academic dishonesty.)

b. The allegation against the student will then be adjudicated, as is currently done, through the CUNY Faculty Student Disciplinary Procedure. This procedure, in its entirety, can be found in appendix E of the Hunter College Undergraduate Catalog 2007-2010.

III. Academic Integrity Review Committee

The Purpose of the Academic Integrity Review Committee is to review evidence when an academic sanction is being sought and when the allegations of academic dishonesty are in dispute. The Committee will proceed in the following manner:

i. If the charge of academic dishonesty is denied by the student, the faculty member will advise the student that the matter has been referred to Hunter College Academic Integrity Official, who will initiate the fact-finding process to be conducted by the Academic Integrity Review Committee.

ii. A panel of three Academic Integrity Review Committee members will be selected and convened by Hunter College Academic Integrity Official to review the evidence for each case.

iii. The faculty member and student will be invited to present their case at a formal hearing, which will be conducted within 30 days of receipt of “The Report Form: Academic Dishonesty-Academic Sanctions.”

iv. The Committee will deliberate in closed session (i.e., with neither student nor instructor present) and submit its findings, in writing, to the Hunter College Academic Integrity Official, who will then notify the faculty member and student. Although faculty members reserve the right to submit grades whenever they deem appropriate, they are encouraged not to submit grades for the disputed work or a final course grade until they have been notified of the committee’s findings. Students may appeal the final course grade through the college’s grade appeal process.

Committee Structure:
The Academic Integrity Review Committee will be appointed by the Vice President for Student Affairs. The Hunter College Senate will nominate four faculty members and eight students to serve on this committee. The Faculty Delegate Assembly will also nominate four faculty members.

A panel of three, consisting of two faculty members and one student selected from the sixteen committee members, will be convened by the Hunter College Academic Integrity Official for each review or hearing. Faculty members and graduate students affiliated with the department, and undergraduate students majoring in the department's programs, will not be selected to serve on that particular panel.

IV. Clarifications of the Process

All questions regarding these procedures or the college's disciplinary process should be referred to the Hunter College Academic Integrity Official, currently, Sharmeen Ahmed (Room 1131 East, phone (212) 396-6484 or email at sharmeen.ahmed@hunter.cuny.edu).

Hunter College Students' Rights Concerning Education Records

- Student Regulations and Rights

The Federal Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

I. The right to inspect and review the student’s education records.

Students should submit to the registrar, the dean of students, or other appropriate college official, written requests that identify the record(s) they wish to inspect. If the records are not maintained by the college official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

All requests shall be granted or denied in writing within 45 days of receipt. If the request is granted, the student will be provided with copies of the requested records or notified of the time and place where the records may be inspected. Students will be charged a fee for copies of requested records. If the request is denied or not responded to within 45 days, the student may appeal to the college’s FERPA appeals officer. Additional information regarding the appeal procedures will be provided by the college’s FERPA appeals officer: Office of Legal Affairs, Hunter College, Room 1705 HE, 695 Park Avenue, New York, NY 10065.

II. The right to request the amendment of the student’s education records that the student believes are inaccurate or misleading.

Students may ask the college to amend a record that they believe is inaccurate or misleading. They should write to the registrar, the dean of students, or other appropriate college official, clearly identify the part of the record they want changed and specify why it is inaccurate or misleading. If the college decides not to amend the record as requested by the student, the college will notify the student of the decision and advise the student of his or her right to a hearing before the college’s FERPA appeals officer regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

III. The right to consent to disclosure of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent.
One exception which permits disclosure without consent is disclosure to college officials with legitimate educational interests. A college official is a person employed by the university in an administrative, supervisory, academic or research, or support staff position; a person or company with whom the university has contracted; a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another college official in performing his or her tasks. A college official has a legitimate educational interest if access is reasonably necessary in order to perform his/her instructional, research, administrative or other duties and responsibilities. Upon request, the college discloses education records without consent to officials of another college or school in which a student seeks or intends to enroll.

IV. You may appeal the alleged denial of FERPA rights to the: General Counsel and Vice Chancellor for Legal Affairs, The City University of New York, 535 East 80th Street, New York, NY 10065.

V. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the college to comply with the requirements of FERPA.

The name and address of the office that administers FERPA are: Family Policy Compliance Office, U.S. Department of Education, 600 Independence Avenue SW, Washington, DC 20202-4605.

VI. The college will make the following “directory information” concerning current and former students available to those parties having a legitimate interest in the information: a student’s name, attendance dates, telephone listing, home address, present address, e-mail address, major and minor fields of study, degrees and awards received, date of birth, place of birth, level of education and the most recent previous educational institution attended. By filing a form with the Registrar’s Office, a student or former student may request that any or all of the above information not be released without his or her prior written consent.

This form may be completed, withdrawn, or modified at any time.

This policy shall be effective as of September 2000 and shall supersede prior policy on this issue.

Students Regulations and Rights

Statement on the Rights of Students

The Hunter College Senate voted endorsement of the following statement on September 24, 1974:

Preamble

“Academic institutions exist for the transmission of knowledge, the pursuit of truth, the development of students and the general well-being of society. Free inquiry and free expression are indispensable to the attainment of these goals....Freedom to teach and freedom to learn are inseparable facets of academic freedom.”

Students “have a distinctive role…which qualifies them to share in the responsible authority on campus; the exercise of the authority is part of their education…. Joint efforts among all groups in the institution—students, faculty, administration and governing board—is a prerequisite of sound academic government….Joint effort, to be effective, must be rooted in the concept of shared authority. The exercise of shared authority in college and university government, like the protection of (student and faculty) academic freedom, requires tolerance, respect and a sense of community.”

“The responsibility to secure and respect general conditions conducive to the freedom to learn is shared by all members of the academic community.”
Students’ rights are not limited by what is enumerated in this statement. The purpose of the statement is to outline some basic principles and guidelines, many of which are now met. Specific implementation will have to be continuously adjusted as conditions at the college change.

I. Academic and Personal Files

1. Improper disclosure, even within the college, of academic, personal and disciplinary records is a serious invasion of privacy. To minimize the risk of improper disclosure, academic, personal and disciplinary records should be kept in separate files.

2. All files may be made available only to specially authorized college staff. Express consent of the student involved is otherwise required.

3. Academic records and transcripts should contain only information about scholastic achievement.

4. No records should be kept which reflect the political and off-campus activities or beliefs of students.

5. Non-current medical and disciplinary records should be periodically destroyed.

6. Students have the right to periodically review their academic, medical and disciplinary records and to appeal for removal of items improperly included. If the appeal fails the student has the right to append a written rebuttal to the record.

II. Classroom, Grades, etc.

1. Students have the right, within the limits of available facilities, to pursue any course of study for which they are eligible according to college standards.

2. In order to permit eligible students unhindered access to courses, the costs of required materials should be kept within reasonable limits.

3. Students have the right to know, at the start of each course of study, the basis to be used by the instructor in determining grades.

4. Students’ grades should be based solely on academic criteria, not on opinions or conduct in matters unrelated to academic standards.

5. Students should have the opportunity to take reasoned exception to facts or points of view offered in any course of study, but they are responsible for meeting the academic standards of any course of study for which they are enrolled.

6. Students should have the protection through formally established procedures against prejudiced or capricious academic standards or evaluations.

III. Participation in Academic Affairs

1. Students have the right, individually and collectively, to express their views on matters of general interest to the student body, including institutional policy, curriculum and personnel decisions.

2. Students have the right to participate in the formulation and application of institutional policy affecting academic and student affairs.
3. Students should share in the formation of policies regarding degree requirements, courses and curriculum, academic grading systems, standards of academic standing and calendar arrangements.

4. Students should have the opportunity, individually and collectively, to assess the value of a course and to express their views on the form and conduct of a class which they have taken.

5. The results of an institutional mechanism used for students to assess courses and faculty, such as evaluation questionnaires, should be accessible to all members of the college community and should be weighed in all decisions affecting faculty status and curriculum.

IV. Extracurricular Activities

1. Students should be free to form and join associations to promote their common interests.

2. Students have the right to express their opinions, individually and collectively and to support causes in a manner that does not disrupt the orderly operation of the college.

V. Standards of Conduct

1. Students should participate in the formulation of standards of behavior which are considered essential to the educational mission and community responsibilities of the college.

2. The code of conduct, as a set of regulations and procedures, should be clearly stated and published in a handbook or other generally available set of institutional regulations.

3. In all cases, disciplinary procedures should protect the student from capricious and prejudicial application of the rules of conduct. Such procedures should also satisfy the requirements of procedural due process, including written notice with details of charges, sufficient time to prepare a defense, right to assistance in the defense, right to cross-examine witnesses and to present evidence and the right to appeal the decision.

RESOLVED, That these rules and regulations be incorporated in each college bulletin.

Adopted by the Board of Trustees of The City University of New York on June 23, 1969 and amended on October 27, 1980 and May 22, 1989

Rules and Regulations for Students Pursuant to Article 224A of the NYS Education Law

1. No person shall be expelled from or be refused admission as a student to an institution of higher education for the reason that he or she is unable, because of his or her religious beliefs, to register or attend classes or to participate in any examination, study or work requirements on a particular day or days.

2. Any student in an institution of higher education who is unable, because of his or her religious beliefs, to attend classes on a particular day or days shall, because of such absence on the particular day or days, be excused from any examination or any study or work requirements.

3. It shall be the responsibility of the faculty and of the administrative officials of each institution of higher education to make available to each student who is absent from school, because of his or her religious beliefs, an equivalent opportunity to register for classes or make up any examination, study or work requirements which he or she may have missed because of such absence on any particular day or days. No fees of any kind shall be charged by the institution for making available to the said student such equivalent opportunity.
4. If registration, classes, examinations, study or work requirements are held on Friday after four o’clock post meridian or on Saturday, similar or makeup classes, examinations, study or work requirements or opportunity to register shall be made available on other days, where it is possible and practicable to do so. No special fees shall be charged to the student for these classes, examinations, study or work requirements or registration held on other days.

5. In effectuating the provisions of this section, it shall be the duty of the faculty and of the administrative officials of each institution of higher education to exercise the fullest measure of good faith. No adverse or prejudicial effects shall result to any student because of his or her availing himself or herself of the provisions of this section.

6. Any student who is aggrieved by the alleged failure of any faculty or administrative officials to comply in good faith with the provisions of this section, shall be entitled to maintain an action or proceeding in the supreme court of the county in which such institution of higher education is located for the enforcement of his or her rights under this section.

   a. It shall be the responsibility of the administrative officials of each institution of higher education to give written notice to students of their rights under this section, informing them that each student who is absent from school, because of his or her religious beliefs, must be given an equivalent opportunity to register for classes or make up any examination, study or work requirements which he or she may have missed because of such absence on any particular day or days. No fees of any kind shall be charged by the institution for making available to such student such equivalent opportunity.

7. As used in this section, the term “institution of higher education” shall mean any institution of higher education, recognized and approved by the regents of the university of the state of New York, which provides a course of study leading to the granting of a post-secondary degree or diploma. Such term shall not include any institution which is operated, supervised or controlled by a church or by a religious or denominational organization whose educational programs are principally designed for the purpose of training ministers or other religious functionaries or for the purpose of propagating religious doctrines.

8. As used in this section, the term “religious belief” shall mean beliefs associated with any corporation organized and operated exclusively for religious purposes, which is not disqualified for tax exemption under section 501 of the United States code.

Equal Opportunity Programs

Hunter College is an Equal Opportunity and Affirmative Action Institution. The college does not discriminate on the basis of race, color, national or ethnic origin, religion, age, sex, sexual orientation, transgender, marital status, disability, genetic predisposition or carrier status, alienage or citizenship, military or veteran status, or status as victim of domestic violence in its student admissions, employment, access to programs and administration of educational policies.

Rules and Regulations for the Maintenance of Public Order
Pursuant to Article 129A of the NYS Education Law

The tradition of the university as a sanctuary of academic freedom and center of informed discussion is an honored one, to be guarded vigilantly. The basic significance of that sanctuary lies in the protection of intellectual freedoms: the rights of professors to teach, of scholars to engage in the advancement of knowledge, of students to learn and to express their views, free from external pressures or interference. These freedoms can flourish only in an atmosphere of mutual
respect, civility and trust among teachers and students, only when members of the university community are willing to accept self-restraint and reciprocity as the condition upon which they share in its intellectual autonomy.

Academic freedom and the sanctuary of the university campus extend to all who share these aims and responsibilities. They cannot be invoked by those who would subordinate intellectual freedom to political ends, or who violate the norms of conduct established to protect that freedom. Against such offenders the university has the right and indeed the obligation, to defend itself. We accordingly announce the following rules and regulations to be in effect at each of our colleges which are to be administered in accordance with the requirements of due process as provided in the Bylaws of the Board of Higher Education.

With respect to enforcement of these rules and regulations we note that the Bylaws of the Board of Higher Education provide that:

“THE PRESIDENT. The president, with respect to his educational unit, shall:

a. Have the affirmative responsibility of conserving and enhancing the educational standards of the college and schools under his jurisdiction;

b. Be the adviser and executive agent of the Board and of his respective College Committee and as such shall have the immediate supervision with full discretionary power in carrying into effect the bylaws, resolutions and policies of the Board, the lawful resolutions of any of its committees and the policies, programs and lawful resolutions of the several faculties;

c. Exercise general superintendence over the concerns, officers, employees and students of his educational unit....”

I. Rules

1. A member of the academic community shall not intentionally obstruct and/or forcibly prevent others from the exercise of their rights. Nor shall he interfere with the institution’s educational processes or facilities, or the rights of those who wish to avail themselves of any of the institution’s instructional, personal, administrative, recreational and community services.

2. Individuals are liable for failure to comply with lawful directions issued by representatives of the university/college when they are acting in their official capacities. Members of the academic community are required to show their identification cards when requested to do so by an official of the college.

3. Unauthorized occupancy of university/college facilities or blocking access to and from such areas is prohibited. Permission from appropriate college authorities must be obtained for removal, relocation and use of university/college equipment and/or supplies.

4. Theft from or damage to university/college premises or property, or theft of or damage to property of any person on university/college premises is prohibited.

5. Each member of the academic community or an invited guest has the right to advocate his position without having to fear abuse, physical, verbal, or otherwise from others supporting conflicting points of view. Members of the academic community and other persons on the college grounds shall not use language or take actions reasonably likely to provoke or encourage physical violence by demonstrators, those demonstrated against, or spectators.

6. Action may be taken against any and all persons who have no legitimate reason for their presence on campus within the university/college, or whose presence on any such campus obstructs and/or forcibly prevents others from the exercise of their rights or interferes with the institution’s educational processes or facilities, or the rights of those who wish to avail themselves of any of the institution’s instructional, personal, administrative, recreational and community services.
7. Disorderly or indecent conduct on university/college-owned or controlled property is prohibited.

8. No individual shall have in his possession a rifle, shotgun, or firearm or knowingly have in his possession any other dangerous instruments or material that can be used to inflict bodily harm on an individual or damage upon a building or the grounds of the university/college without the written authorization of such educational institution. Nor shall any individual have in his possession any other instrument or material which can be used or is intended to inflict bodily harm on an individual or damage upon a building or the grounds of the university/college.

9. Any action or situation which recklessly or intentionally endangers mental or physical health or involves the forced consumption of liquor or drugs for the purpose of initiation into or affiliation with any organization is prohibited.

10. The unlawful manufacture, distribution, dispensation, possession, or use of illegal drugs or other controlled substances by University students or employees on University/college premises, or as part of any University/college activities is prohibited. Employees of the University must also notify the College Personnel Director of any criminal drug statute conviction for a violation occurring in the workplace not later than five (5) days after such conviction.

11. The unlawful possession, use, or distribution of alcohol by students or employees on university/college premises or as part of any university/college activities is prohibited.

II. Penalties

1. Any student engaging in any manner in conduct prohibited under substantive Rules 1-11 shall be subject to the following range of sanctions as hereafter defined in the attached Appendix: admonition, warning, censure, disciplinary probation, restitution, suspension, expulsion, ejection and/or arrest by the civil authorities.

2. Any tenured or non-tenured faculty member, or other member of the instructional staff, or member of the classified staff engaging in any manner in conduct prohibited under substantive Rules 1-11 shall be subject to the following range of penalties: warning, censure, restitution, fine not exceeding those permitted by law or the Bylaws of The City University of New York, or suspension with/without pay pending a hearing before an appropriate college authority, dismissal after a hearing, ejection and/or arrest by the civil authorities and for engaging in any manner in conduct prohibited under substantive.

Rule 10, may, in the alternative, be required to participate satisfactorily in an appropriately licensed drug treatment or rehabilitation program. A tenured or non-tenured faculty member or other member of the instructional staff, or member of the classified staff charged with engaging in any manner in conduct prohibited under substantive

Rules 1-11 he or she shall be entitled to be treated in accordance with applicable provisions of the Education Law, or the Civil Service Law, or the applicable collective bargaining agreement, or the Bylaws or written policies of The City University of New York.

3. Any visitor, licensee, or invitee engaging in any manner in conduct prohibited under substantive Rules 1-11 shall be subject to ejection and/or arrest by the civil authorities.

4. Any organization which authorized the conduct prohibited under substantive Rules 1-11 shall have its permission to operate on campus rescinded. Penalties 1-4 shall be in addition to any other penalty provided by law or The City University Trustees.

Sanctions Defined:
A. ADMONITION An oral statement to the offender that he/she has violated university rules.

B. WARNING Notice to the offender, orally or in writing, that continuation or repetition of the wrongful conduct, within a period of time stated in the warning, may be cause for more severe disciplinary action.

C. CENSURE Written reprimand for violation of specified regulation, including the possibility of more severe disciplinary sanction in the event of conviction for the violation of any university regulation within a period stated in the letter of reprimand.

D. DISCIPLINARY PROBATION Exclusion from participation in privileges or extracurricular university activities as set forth in the notice of disciplinary probation for a specified period of time.

E. RESTITUTION Reimbursement for damage to or misappropriation of property. Reimbursement may take the form of appropriate service to repair or otherwise compensate for damages.

F. SUSPENSION Exclusion from classes and other privileges or activities as set forth in the notice of suspension for a definite period of time.

G. EXPULSION Termination of student status for an indefinite period. The conditions for readmission, if any is permitted, shall be stated in the order of expulsion.

H. COMPLAINT TO CIVIL AUTHORITIES

I. EJECTION


504/ADA Grievance Procedures

Hunter College encourages the prompt and equitable settlement of all complaints and grievances of discrimination in college programs under Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. Section 706) and the Americans with Disabilities Act of 1990 as amended (42 U.S.C. Section 12101-02). Toward that end, both informal and formal grievance procedures are established for the college.

These procedures are available to any student of the college who alleges any action relating to handicap which is prohibited by Section 504, the ADA, or the rules and regulations implementing those laws. No other issues may be raised in these proceedings.

The resolution of a grievance may pass through several steps. Initially, students are encouraged to discuss a complaint with the supervisor of the office involved. Often, this conversation will lead to steps that will alleviate the difficulty. If this discussion does not lead to a result that is satisfactory to the student, he or she should then begin an informal complaint process with the director of the Office for Access and Accommodations. If the informal complaint process does not yield results satisfactory to the student, a written formal complaint may be filed with the Vice President for Student Affairs.

Students may obtain a written explanation of the entire grievance procedure and the accompanying form from Office for Access and Accommodations, Room 1124 Hunter East. The Section 504 and ADA Coordinator at Hunter College, Professor Tamara Green, is responsible for policies related to the disabled. She can be contacted in Room 1425A Hunter West; (212) 772-5061.
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<tr>
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<td>Nursing (RN) — BS</td>
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<td>Nursing - Accelerated 2nd Degree Pathway</td>
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<td>Psychiatric Nursing Practitioner — BS/MS</td>
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<td>Nursing Administration /Public Administration — MS/MPA with Baruch College</td>
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<td>Community Health Nursing/Urban Public Health — MS/MPH</td>
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</tbody>
</table>

**Jewish Studies**

Return to the Faculty of the School of Arts and Sciences

**Rivka Friedman**, Professor, Hebrew Division, Classical and Oriental Studies; BA Hebrew Univ. (Jerusalem), MRE, DHL Jewish Theological Seminary

**Stanley Moses**, Professor, Urban Affairs and Planning; BA City College, MA Hunter, PhD Syracuse

**Robert M. Seltzer**, Professor, History; BA Washington University, MA Yale, PhD Columbia
Latin American and Carribean Studies

Return to the Faculty of the School of Arts and Sciences

Thomas Angotti, Professor, Urban Affairs and Planning; BA Indiana State, MA, PhD Rutgers
Marc Edelman, Professor, Anthropology; BA, MA, PhD Columbia
Kenneth Paul Erickson, Professor, Political Science; BA Michigan (Ann Arbor), PhD Columbia
John Hammond, Professor, Sociology; AB Harvard, MA, PhD Chicago
Ines Miyares, Professor, Geography; BA, MA Cal State (Stanislaus), PhD Arizona State
Jonathan Conning, Associate Professor, Economics; BA Swarthmore, MA, PhD Yale
Julio Hernandez-Delgado, Associate Professor, Library; BA Queens, MA Syracuse, MLS Western Michigan
Sangeeta Pratap, Associate Professor, Economics; BA Delhi University (India), MA Jawaharlal Nehru University, MPhil Cambridge, PhD NYU

Mathematics and Statistics

Return to the Faculty of the School of Arts and Sciences

Alberto Baider, Professor, Mathematics and Statistics; Licentiate Buenos Aires (Argentina), PhD MIT
Ara Basmajian, Professor, Mathematics and Statistics; BA Queens, MA, PhD SUNY (Stony Brook)
Martin Bendersky, Professor, Mathematics and Statistics; BA City College, PhD California (Berkeley)
Edward S. Binkowski, Associate Professor, Mathematics and Statistics; AB, PhD Princeton, JD Fordham
Patrick Burke, Lecturer, Mathematics and Statistics; BS Duquesne, MA Pittsburgh, PhD Columbia
Barry Cherkas, Professor, Mathematics and Statistics; BS Worcester Polytech., MA, PhD Georgetown
Daniel S. Chess, Associate Professor, Mathematics and Statistics; AB Harvard, PhD Princeton
Richard Churchill, Professor, Mathematics and Statistics; BA George Washington, MS, MA, PhD Wisconsin (Madison)
Sandra Clarkson, Professor, Mathematics and Statistics; BS North Georgia, MEd, EdD Georgia

Lucille Croom, Professor, Mathematics and Statistics; BA Talladega, MA Michigan (Ann Arbor), PhD Columbia

Dana Draghicescu, Associate Professor, Mathematics and Statistics; BS, MS, Bucharest (Romania), PhD Fed. Inst. of Technology (Switzerland)

Scott Gentile, Lecturer, Mathematics and Statistics; BA, MA Boston College

Miriam Hecht, Assistant Professor, Mathematics and Statistics; EdD Columbia

Thomas Jambois, Associate Professor, Mathematics and Statistics; BA Harvard, PhD California (Berkeley)

John Loustau, Professor, Mathematics and Statistics; BA Oregon State, PhD California (Santa Barbara)

Ronald Neath, Assistant Professor, Mathematics and Statistics; BS, MS California (Davis), PhD Minnesota

Ada Peluso, Professor Mathematics and Statistics, PhD NYU

Roger S. Pinkham, Visiting Professor, Mathematics and Statistics; BS University of Maine, PhD Harvard

Joseph Roitberg, Professor, Mathematics and Statistics; BS City College, MS, PhD NYU

Michael Samra, Lecturer, Mathematics and Statistics; MPhil CUNY

Verna Segarra, Lecturer, Mathematics and Statistics; BS, MA City College

Brian Shay, Associate Professor, Mathematics and Statistics; BS, MA Fordham, PhD CUNY

Lev Shneerson, Professor, Mathematics and Statistics; MS Ivanovo Pedagogical Inst., PhD Ural State (USSR)

Robert D. Thompson, Professor and Chair, Mathematics and Statistics; BA California (Santa Cruz), PhD Washington

William Williams, Professor, Mathematics and Statistics; BA McMasters, MS, PhD Iowa State

Return to the Mathematics and Statistics Department

Music

Return to the Faculty of the School of Arts and Sciences

Reuben Blundell, Assistant Professor, Music; BMus, Victorian College of the Arts, MM, Australian Institute of Music. Sydney, DMA, Eastman School of Music

Victor Bobetsky, Associate Professor, Music; BA Brooklyn, MA Hunter, DMA Miami

Richard Burke, Associate Professor, Music; BA, MA Hunter, PhD CUNY
Geoffrey Burleson, Associate Professor, Music; DMA SUNY (Stony Brook)

L. Poundie Burstein, Associate Professor, Music; BA Mannes, MA Queens, PhD CUNY

Michele Cabrini, Assistant Professor, Music; BMus, MMus Peabody, MA, PhD Princeton

Catherine Coppola, Lecturer, Music; BS, New York University, MM, Manhattan School of Music, PhD CUNY

Ruth DeFord, Professor and Chair, Music; BA Oberlin, PhD Harvard

Philip Ewell, Assistant Professor, Music; BA Stanford, MM Queens College, CUNY, PhD, Yale

Susan González, Professor, Music; BMus Cincinnati, MMus, DMA Eastman School of Music

Barbara Hampton, Professor, Music; BMus Howard, MA California (Los Angeles), PhD Columbia

Ryan Keberle, Lecturer, Music; B.Mus., Manhattan School of Music, Artist Diploma, Juilliard.

Shafer Mahoney, Associate Professor, Music; AB Princeton, MA, PhD Eastman School of Music

Paul F. Mueller, Professor, Music; BME Wartburg, MM, DMA Indiana

Mark Spicer, Associate Professor, Music; BMus, MMus North Texas, PhD Yale

Jewel Thompson, Professor, Music; BS Virginia State, MA, PhD Eastman School of Music

Return to the Music Department

Music Bachelor's Degrees

Music

About the Department

The Department of Music offers a wide variety of courses and degree programs tailored to the needs of students with different personal and professional objectives. Course offerings include a large selection of topics for both majors and non-majors covering many areas of music performance, theory, history, and literature. The BA degree can be
completed evenings or days. In addition, the department sponsors numerous extracurricular events, including concerts, lectures, and master classes.

Private lessons in instruments and voice are provided to all performance majors and many other music majors by a distinguished roster of performance teachers. Financial aid is available to qualified performance majors and other majors who need to study with private teachers not on the staff.

Graduates of the department are active in classical and popular performance fields as singers, instrumentalists, and conductors. Concentration in music theory and composition can lead to career opportunities in orchestrating, choral or commercial arranging, film scoring, and music composing in contemporary and popular idioms. Concentration in music history paves the way for career opportunities in college teaching and musical scholarship, including such work as music journalism and criticism; lecturing; writing program and music-liner notes; editing, translating, and cataloging musical materials; and serving as a consultant to concert societies, opera houses, and publishers. Graduates of the BA/MA Degree in Education program are qualified to teach in the public elementary and high schools of New York State.

Graduate Study

Seniors of high academic standing who are recommended by the department may be permitted to take graduate courses for undergraduate credit. Seniors within 9 credits of graduation may apply to the Admissions Office for permission to take graduate courses creditable toward the MA degree.

Programs and Courses

Programs and Courses in Music

Administration and Faculty

Department Office:
416 North
(212)772-5020
fax: (212)772-5022
Web site: http://www.hunter.cuny.edu/music
E-mail: music@hunter.cuny.edu

Chair:
Ruth DeFord
417 North
212 772-5026
rdeford@hunter.cuny.edu

Faculty

Music Faculty

HEGIS Code: 1004
Music - BA/MA

4-Year Dual BA/MA Degree

The department offers unusually gifted students the opportunity to obtain a master’s degree in four years with a minimum of 120 credits. Requirements are the same as those for the 42-credit BA plus those for the MA in music (30 credits at the graduate level; see graduate catalog). Students may be admitted to this program only after they have completed at least 60 credits of college work, including at least 29 credits in music (three semesters of music history, four semesters of music theory, and four semesters of musicianship). At least 12 credits (including six in music) must have been taken at Hunter College, and students must have a cumulative GPA of at least 3.5 with no grade of less than B in any music course. At that time, they must fulfill all requirements for entry into the MA program except completion of the BA degree. The graduate adviser must be consulted about the MA requirements.

Music - BMus

60-Credit Major

This degree is designed for students planning to pursue careers as professional performers of music or as teachers of music performance. It provides intensive instruction in the student’s instrument or voice; solid training in music history and theory; and a broad, liberal arts education. Admission to this program is conditional on passing an audition (preferably before the student enters college) demonstrating a high level of skill in performance. Requirements are:

Music history:

MUSHL 20100 - Introduction to Music Research

Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals, scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing issues specific to music.

coreq: MUSHL 20500 or ENGL 12000
1 hr1 cr.
offered fall

MUSHL 20500 - Music History I

PD/D
For music majors. Survey of the history of music in the European tradition to 1600.

prereq: elementary knowledge of music history and literature, demonstrated by dept. exam
coreq: MUSHL 20100 or ENGL 12000, perm dept.
3 hrs3 cr.
offered fall

MUSHL 20600 - Music History II (W)

PD/D
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600
to 1800.
prereq: MUSHL 20100, 20500, ENGL 12000
prereq or coreq: MUSTH 22100, 23100
3 hrs 3 cr.
offered spring

MUSHL 30500 - Music History III (W)

PD/D
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.
prereq: MUSHL 20600, MUSTH 22100, 23100
3 hrs 3 cr.
offered fall
and any other 3-credit MUSHL course at the 300-level

Music theory:

MUSTH 20100 - Introduction to Music Technology

An introduction to basic music technology skills: music notation software, MIDI sequencing, and digital audio editing.
prereq or coreq: prereqs: MUSTH 22000 and 23000, or perm dept.
1 hr 1 cr.
offered spring

MUSTH 22000 - Music Theory I

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.
prereq: ability to read music as demonstrated by dept. exam, perm dept.
coreq: MUSTH 23000
3 hrs 3 cr.
offered fall

MUSTH 22100 - Music Theory II

Continuation of MUSTH 22000.
prereq: MUSTH 22000
coreq: MUSTH 23100
3 hrs 3 cr.
offered spring

MUSTH 23000 - Musicianship I

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.
coreq: MUSTH 22000
3 hrs 2 cr.
offered fall

MUSTH 23100 - Musicianship II

Continuation of MUSTH 23000.
prereq: MUSTH 23000
coreq: MUSTH 22100
MUSTH 32000 - Music Theory III

Intermediate-level study of melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

prereq: MUSTH 20100, MUSTH 22100
coreq: MUSTH 33000
3 hrs 3 cr.
offered spring

MUSTH 33000 - Musicianship III

Sight singing, ear training, and keyboard drill on materials studied in corequisite course. Individual work in the Computer Assisted Instruction facility.

prereq: MUSTH 23100
coreq: MUSTH 32000
3 hrs 2 cr.
offered fall

and any other 3-credit MUSTH course at the 300-level

Private lessons:

MUSPF 43100 - Individual Instruction in Instrument or Voice

Limited to students in the 60-credit BMus program and the BA/MA music program. Intensive study in instrumental or vocal techniques. Jury examination required.

May be taken 8 times.

prereq: perm dept.
1 hr 3 cr.

Performance ensembles:

For instrumentalists - 6 credits in instrumental ensembles

Choose 6 credits from the following:

MUSPF 23100 - Hunter Symphony

Rehearsal and performance of orchestral works. May be taken 8 times.

prereq: audition, perm instr.
3 hrs 1 cr.

MUSPF 24900 - Jazz Ensemble

Open to all instrumentalists by audition. Study and performance of popular forms of music, including dance, jazz, and musical comedy. May be taken 6 times.

2 hrs 1 cr.

MUSPF 35500 - Chamber Music Workshop
Rehearsal and public performance of instrumental chamber works. May be taken 6 times.

prereq: audition, perm instr.
2 hrs 1 cr.

**MUSPF 25000 - Popular Music Combo**

Study and performance within a small ensemble context of the popular music genres, such as Pop, Rock, Hip-Hop, R & B, Country/Bluegrass, and Jazz. May be taken 6 times.

prereq or coreq: prereqs: audition, perm dept.
2 hrs 1 cr.

**MUSPF 36500 - Topics in Piano Performance**

Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

May be taken 4 times.

coreq: MUSPF 40100 or 43100
2 hrs 1 cr.

For singers

6 credits in vocal ensembles

**MUSPF 22100 - College Choir**

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.

3 hrs 1 cr.

**MUSPF 25100 - Jazz Vocal Workshop Ensemble**

Jazz performance and improvisation. May be taken 6 times.

prereq: MUSPF 11100 or 21100 or 40100 in Voice, and audition
2 hrs 1 cr.

**MUSPF 35300 - Chamber Singers**

Study and public performance of solo and chamber chorus works from all musical eras. May be taken 6 times.

prereq: audition, perm instr.
2 hrs 1 cr.

**MUSPF 36900 - Topics in Vocal Performance**

Seminar in performance for advanced voice students, focusing on a different topic each semester. The seminar will involve study and performance of representative works of vocal repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

May be taken 4 times.

prereq: ENGL 12000 coreq: MUSPF 40100 or 43100
2 hrs 1 cr.
For singers, a minimum of 2 credits must be in MUSPF 36900

For pianists

A minimum of 2 credits must be in

**MUSPF 36500 - Topics in Piano Performance**

Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

*May be taken 4 times.*

*coreq: MUSPF 40100 or 43100 2 hrs 1 cr.*

Electives:

- 4 credits in music courses above the 100-level.

Recital:

- A senior recital, for which no credit is given, is also required.

**Piano Proficiency Requirement**

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

**Music 25-Credit Major (BA)**

This degree is designed for students who want to study music in the context of a general liberal arts education, but who do not plan to pursue careers in music. It may also be convenient for students who enter Hunter with a large number of transfer credits in music. Requirements are:

**Music history:**

**MUSHL 20100 - Introduction to Music Research**

Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals, scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing issues specific to music.

*coreq: MUSHL 20500 or coreq: ENGL 12000 1 hr 1 cr.*

*offered fall*
MUSHL 20500 - Music History I

PD/D
For music majors. Survey of the history of music in the European tradition to 1600.
prereq: elementary knowledge of music history and literature, demonstrated by dept. exam
coreq: MUSHL 20100
or coreq: MUSTH 22000, 23000, ENGL 12000, perm dept.
3 hrs 3 cr.
offered fall

MUSHL 20600 - Music History II (W)

PD/D
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600 to 1800.
prereq: MUSHL 20100, 20500, ENGL 12000
prereq or coreq: MUSTH 22100, 23100
3 hrs 3 cr.
offered spring

MUSHL 30500 - Music History III (W)

PD/D
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.
prereq: MUSHL 20600, MUSTH 22100, 23100
3 hrs 3 cr.
offered fall

Any other 3-credit MUSHL at the 300-level

Music theory:

MUSTH 22000 - Music Theory I

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.
prereq: ability to read music as demonstrated by dept. exam, perm dept.
coreq: MUSTH 23000
3 hrs 3 cr.
offered fall

MUSTH 22100 - Music Theory II

Continuation of MUSTH 22000.
prereq: MUSTH 22000
coreq: MUSTH 23100
3 hrs 3 cr.
offered spring

MUSTH 23000 - Musicianship I

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.
MUSTH 21000 - Musicianship I

Continuation of MUSTH 2000. 
_prereq: MUSTH 2000_  
coreq: MUSTH 20400
3 hrs 2 cr.
_offered fall

MUSTH 23100 - Musicianship II

Continuation of MUSTH 23000.  
_prereq: MUSTH 23000_  
coreq: MUSTH 22100
3 hrs 2 cr.
_offered spring

Performance:

MUSPF 22100 - College Choir

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.
3 hrs 1 cr.

MUSPF 23100 - Hunter Symphony

Rehearsal and performance of orchestral works. May be taken 8 times.
_prereq: audition, perm instr._
3 hrs 1 cr.

Piano Proficiency Requirement

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

Music 42-Credit Major (BA)

This degree is designed for students planning to pursue professional careers in music. It provides basic training in all areas of music and serves as a foundation for graduate study of any aspect of the field. Requirements are:

Music history:

MUSHL 20100 - Introduction to Music Research

Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals, scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing issues specific to music.
_coreq: MUSHL 20500_  
_prereq or coreq: ENGL 12000
1 hr 1 cr.
_offered fall
MUSHL 20500 - Music History I

PD/D
For music majors. Survey of the history of music in the European tradition to 1600.
prereq: elementary knowledge of music history and literature, demonstrated by dept. exam
coreq: MUSHL 20100
3 hrs 3 cr.
offered fall

MUSHL 20600 - Music History II (W)

PD/D
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600 to 1800.
prereq: MUSHL 20100, 20500, ENGL 12000
coreq: MUSTH 22100, 23100
3 hrs 3 cr.
offered spring

MUSHL 30500 - Music History III (W)

PD/D
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.
prereq: MUSHL 20600, MUSTH 22100, 23100
3 hrs 3 cr.
offered fall

Music theory:

MUSTH 20100 - Introduction to Music Technology

An introduction to basic music technology skills: music notation software, MIDI sequencing, and digital audio editing.
prereq or coreq: prereqs: MUSTH 22000 and 23000, or perm dept.
1 hr 1 cr.
offered spring

MUSTH 22000 - Music Theory I

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.
prereq: ability to read music as demonstrated by dept. exam, perm dept.
coreq: MUSTH 23000
3 hrs 3 cr.
offered fall

MUSTH 22100 - Music Theory II

Continuation of MUSTH 22000.
prereq: MUSTH 22000 coreq: MUSTH 23100
MUSTH 23000 - Musicianship I

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.

coreq: MUSTH 22000
3 hrs 2 cr.
offered spring

MUSTH 23100 - Musicianship II

Continuation of MUSTH 23000.
prereq: MUSTH 23000 coreq: MUSTH 22100
3 hrs 2 cr.
offered spring

MUSTH 32000 - Music Theory III

Intermediate-level study of melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.
prereq: MUSTH 20100, MUSTH 22100 coreq: MUSTH 33000
3 hrs 3 cr.
offered fall

MUSTH 33000 - Musicianship III

Sight singing, ear training, and keyboard drill on materials studied in corequisite course. Individual work in the Computer Assisted Instruction facility.
prereq: MUSTH 23100 coreq: MUSTH 32000
3 hrs 2 cr.
offered fall

and any other 3-credit MUSTH course at the 300-level

Performance:

MUSPF 40100 - Individual Instruction in Instrument or Voice

Limited to the 42-credit BA music major, the 25-credit BA music major, the BA/MA music major and the music minor. Audition demonstrating performance skills equivalent to New York State School Music Association (NYSSMA) level 2 or higher. Students must make their own arrangements with department-listed teachers to receive credit for this course. Jury examination required. The jury examination following the second and subsequent semesters of private lessons must demonstrate performance skills equivalent to NYSSMA level 4 or higher.

May be taken 8 times.
prereq: perm dept.
1 hr 1 cr.

2 credits in large ensembles
MUSPF 22100 - College Choir
Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.
3 hrs1 cr.

MUSPF 23100 - Hunter Symphony
Rehearsal and performance of orchestral works. May be taken 8 times.
prereq: audition, perm instr.
3 hrs1 cr.

2 credits in performance electives

MUSPF 22100 - College Choir
Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.
3 hrs1 cr.

MUSPF 23100 - Hunter Symphony
Rehearsal and performance of orchestral works. May be taken 8 times.
prereq: audition, perm instr.
3 hrs1 cr.

MUSPF 24900 - Jazz Ensemble
Open to all instrumentalists by audition. Study and performance of popular forms of music, including dance, jazz, and musical comedy. May be taken 6 times.
2 hrs1 cr.

MUSPF 25000 - Popular Music Combo
Study and performance within a small ensemble context of the popular music genres, such as Pop, Rock, Hip-Hop, R & B, Country/Bluegrass, and Jazz. May be taken 6 times.
prereq or coreq: prereqs: audition, perm dept.
2 hrs1 cr.

MUSPF 25100 - Jazz Vocal Workshop Ensemble
Jazz performance and improvisation. May be taken 6 times.
prereq: MUSPF 11100 or 21100 or 40100 in Voice, and audition
2 hrs1 cr.

MUSPF 35300 - Chamber Singers
Study and public performance of solo and chamber chorus works from all musical eras. May be taken 6 times.
prereq: audition, perm instr.
2 hrs1 cr.
MUSPF 35500 - Chamber Music Workshop

Rehearsal and public performance of instrumental chamber works. May be taken 6 times.

*prereq: audition, perm instr.*
2 hrs 1 cr.

MUSPF 36500 - Topics in Piano Performance

Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

*May be taken 4 times.*

*coreq: MUSPF 40100 or 43100*
2 hrs 1 cr.

MUSPF 36900 - Topics in Vocal Performance

Seminar in performance for advanced voice students, focusing on a different topic each semester. The seminar will involve study and performance of representative works of vocal repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

*May be taken 4 times.*

*prereq: ENGL 12000
coreq: MUSPF 40100 or 43100*
2 hrs 1 cr.

MUSPF 40100 - Individual Instruction in Instrument or Voice

Limited to the 42-credit BA music major, the 25-credit BA music major, the BA/MA music major and the music minor. Audition demonstrating performance skills equivalent to New York State School Music Association (NYSSMA) level 2 or higher. Students must make their own arrangements with department-listed teachers to receive credit for this course. Jury examination required. The jury examination following the second and subsequent semesters of private lessons must demonstrate performance skills equivalent to NYSSMA level 4 or higher.

*May be taken 8 times.*

*prereq: perm dept.*
1 hr 1 cr.

Electives:

- 4 credits in music courses above the 100-level

Piano Proficiency Requirement

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

Music Bachelor's Degrees
Return to: Department of Music

- Music 25-Credit Major (BA)
- Music 42-Credit Major (BA)
- Music - BMus

Major Programs

The Department of Music offers three undergraduate and two BA/MA major programs to fit individual interests and requirements. Students must take three examinations before declaring a music major:

1. **Music notation, rudimentary theory, and basic musicianship skills.** This examination is prerequisite to MUSTH 22000 (Music Theory I).
   
   Students who do not pass it must take MUSTH 10100 (Music Theory Fundamentals) or learn the material on their own, then repeat the examination.

2. **Elementary music history and literature.** This examination is prerequisite to MUSHL 20500 (Music History I). Students who do not pass it must take MUSHL 10100 (Introduction to Music) or learn the material on their own, then repeat the examination.

3. **Performance audition on an instrument or voice.** This examination is prerequisite to MUSPF 40100 (Private Instruction in Instrument or Voice). Students whose performance skills fall below New York State School Music Association (NYSSMA) level 2, equivalent to about one year of study, must take MUSPF 21100-21200 (Voice I-II), MUSPF 21300-21400 (Piano III), or private lessons at their own expense (without credit), then repeat the examination. Students with no experience in performance may defer the audition until the end of their first semester of study.

Prospective majors should consult the Music Department’s undergraduate adviser as soon as possible to discuss these examinations and any prerequisite courses they may need before beginning the major.

Piano Proficiency Requirement

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

Minor in Music

The music minor consists of 15 credits in music:

**MUSTH 10100 - Music Theory Fundamentals**

GER 2/D
For non-majors. Introduction to music theory, sight singing, and ear training.
3 hrs 3 cr.

**MUSHL 10100 - Introduction to Music**
GER 2/D PD/D
For non-majors. Selected compositions primarily from the European tradition studied with aim to develop perceptive listening.
3 hrs 3 cr.

-or-

MUSHL 10700 - The World of Music

GER 2/D PD/A
For non-majors. Introduction to music from a spectrum of world cultures, including Africa, Asia, and the Caribbean.
3 hrs 3 cr.

- one course with an MUSHL prefix at the 200-level; and 6 credits of music electives, 3 of which must be at the 200-level or higher.

Prospective minors who have already mastered the material taught in the required 100-level courses MUSTH 10100 and/or MUSHL 10100 or MUSHL 10700) may be exempted from these courses by passing the same entrance examination that is required of prospective music majors (see above). Music minors may substitute more advanced courses in any area of music study, including private lessons (subject to availability) and ensembles, for the courses from which they are exempt. PLEASE NOTE: Music minors who wish to take private lessons for credit (MUSPF 40100) must first pass both the performance audition and music theory portions of the entrance examination.

Grading Policies

Students must have grades of C or better in all prerequisite courses in order to take courses that are required for the major. The grade of CR may not be elected in major courses. In accordance with Hunter College policy, a course may not be taken more than twice without permission of the department.

Honors

To qualify for departmental honors in music, a student must have a 3.5 grade point average in major courses and complete an honors project, taken under the following course number. The project, which must be approved in advance by the Policy Committee, may be a research paper on a historical, theoretical, or other topic; an original composition; or a recital. All projects should demonstrate an advanced level, a broad scope, and a high quality, and must be done under the supervision of a faculty member of the Music Department.

MUSTH 49100 - Honors Project

Upper Jr/Sr only. Individual project of large scope in music history, theory, composition, or performance.

prereq: minimum music GPA of 3.5, perm undergrad adviser
1 sem 3 cr.

MUSTH 49200 - Honors Project

prereq: MUSTH 49100
1 sem 3 cr.

Graduate Study
Seniors of high academic standing who are recommended by the department may be permitted to take graduate courses for undergraduate credit. Seniors within 9 credits of graduation may apply to the Admissions Office for permission to take graduate courses creditable toward the MA degree.

**Music/Music Teacher Education Pre-K-12 - BA/MA**

**Major Programs**

The Department of Music offers three undergraduate and two BA/MA major programs to fit individual interests and requirements. Students must take three examinations before declaring a music major:

1. **Music notation, rudimentary theory, and basic aural skills.** This examination is prerequisite to MUSTH 22000 (Music Theory I).
   
   Students who do not pass it must take MUSTH 10100 (Basic Musicianship) or learn the material on their own, then repeat the examination.

2. **Elementary music history and literature.** This examination is prerequisite to MUSHL 20500 (Music History I). Students who do not pass it must take MUSHL 10100 (Introduction to Music) or learn the material on their own, then repeat the examination.

3. **Performance audition on an instrument or voice.** This examination is prerequisite to MUSPF 40100 (Private Instruction in Instrument or Voice). Students whose performance skills fall below New York State School Music Association (NYSSMA) level 2, equivalent to about one year of study, must take MUSPF 21100-MUSPF 21200 (Voice I-II), MUSPF 21300-MUSPF 21400 (Piano III), or private lessons at their own expense (without credit), then repeat the examination. Students with no experience in performance may defer the audition until the end of their first semester of study.

Prospective majors should consult the Music Department’s undergraduate adviser as soon as possible to discuss these examinations and any prerequisite courses they may need before beginning the major.

**Piano Proficiency Requirement**

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the second year of study in music theory (MUSTH 32000 and MUSTH 32100). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

**5- to 6-Year Dual BA/MA Degree in Teacher Education**

Exceptionally qualified students may obtain a master’s degree in teacher education in 5-6 years with a minimum of 140 credits. Requirements are the same as those for the 42-credit BA plus requirements for the MA degree in music teacher education (see graduate catalog). Students may be admitted to this program only after they have completed at least 60 credits of college work, including at least 29 credits in music (three semesters of music history, four semesters of music theory, and four semesters of musicianship). At least 12 credits (including six in music) must have been taken at Hunter College, and students must have a cumulative GPA of at least 3.5 with no grade of less than B in any music course. They must have passed the Music Department’s piano proficiency examination and an audition-interview demonstrating reasonable mastery of an instrument or voice. In addition, they must either have passed the LAST (Liberal Arts and Sciences Test) or fulfilled the following requirements of the School of Education:

a. Completion of developmental courses;
b. Grade of B- or better in ENGL 12000 or a 200-level English course;

c. Application, on-site essay, and interview with the School of Education;

d. Proof of negative result on TB test;

e. Maximum of 6 credits taken with CR/NC grades, or else calculation of those grades as C/F for computation of grade-point average.

Admission requires the consent of both the Music Department and the School of Education. See the School of Education section of both the undergraduate and graduate catalogs for more information.

**Minor**

For 25-credit music majors, the minor consists of 12 credits in a field of study leading to a BA degree and approved by the Music Department adviser. Double-majors and students in other music major programs are exempt from the minor requirement. Minor courses can be used without limit to satisfy stages 1, 2, and 3 of the GER.

**Minor for non-Majors**

For students minoring in music, the requirements are determined by the student's major department. See your major adviser. The Music Department recommends the following courses. Because 300-level courses are intended primarily for music majors and have extensive prerequisites, students whose major departments require a 300-level course in the minor may, with permission of their adviser, substitute a 200-level course in the music minor.

**MUSTH 10100 - Music Theory Fundamentals**

GER 2/D  
For non-majors. Introduction to music theory, sight singing, and ear training.  
3 hrs 3 cr.  

or

**MUSTH 22000 - Music Theory I**

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.  
prereq: ability to read music as demonstrated by dept. exam, perm dept.coreq: MUSTH 23000  
3 hrs 3 cr.  
offered fall

**MUSTH 23000 - Musicianship I**

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.  
coreq: MUSTH 22000  
3 hrs 2 cr.  
offered fall

**MUSHL 10100 - Introduction to Music**
GER 2/D PD/D
For non-majors. Selected compositions primarily from the European tradition studied with aim to develop perceptive listening.
3 hrs 3 cr.

MUSHL 10700 - The World of Music
GER 2/D PD/A
For non-majors. Introduction to music from a spectrum of world cultures, including Africa, Asia, and the Caribbean.
3 hrs 3 cr.
- One course with an MU-H prefix at the 200-level
- 1-3 credits of music electives

Grading Policy
Students must have grades of C or better in all prerequisite courses in order to take courses that are required for the major. The grade of CR may not be elected in major courses. In accordance with Hunter College policy, a course may not be taken more than twice without permission of the department.

Honors
To qualify for departmental honors in music, a student must have a 3.5 grade point average in major courses and complete an honors project, taken under the following course number. The project, which must be approved in advance by the Policy Committee, may be a research paper on a historical, theoretical, or other topic; an original composition; or a recital. All projects should demonstrate an advanced level, a broad scope, and a high quality, and must be done under the supervision of a faculty member of the Music Department.

MUSTH 49100 - Honors Project
Upper Jr/Sr only. Individual project of large scope in music history, theory, composition, or performance.
prereq: minimum music GPA of 3.5, perm undergrad adviser
1 sem 3 cr.

MUSTH 49200 - Honors Project
prereq: MUSTH 49100
1 sem 3 cr.

Philosophy
Return to the Faculty of the School of Arts and Sciences

Christa Acampora, Associate Professor, Philosophy; BA Hollins, MA, PhD Emory

Linda Martin Alcoff, Professor, Philosophy; BA, MA Georgia State University, PhD Brown University
Omar H. Dahbour, Associate Professor, Philosophy; BA Trinity, MA Boston, MA Columbia, PhD Chicago, PhD CUNY

James Freeman, Professor, Philosophy; MA Drew, BA, PhD Indiana

Justin Garson, Assistant Professor; BA Evergreen State, MA, PhD University of Texas

Carol C. Gould, Professor, Philosophy; BA University of Chicago, MPhil, PhD Yale University

Alan M. Hausman, Professor, Philosophy; BA, MA, PhD Iowa

Laura Keating, Associate Professor and Chair, Philosophy; BA Michigan State, MA, PhD Ohio State

Frank Kirkland, Associate Professor, Philosophy; BA Bucknell, MA, PhD New School

John Lango, Professor, Philosophy; PhD Yale

Gerald Press, Professor, Philosophy; AB California (Berkeley), MA, PhD California (San Diego)

Steven Ross, Professor, Philosophy; BA Brandeis, PhD Harvard

Return to the Philosophy Program

Physics and Astronomy

Return to the Faculty of the School of Arts and Sciences

Janos Bergou, Professor, Physics; MS, PhD Lorand Eotvos (Hungary)

Ying-Chih Chen, Professor; BA National Taiwan, PhD Columbia

Leon Cohen, Professor; BS City College, MS, PhD Yale

Kelle Cruz, Assistant Professor; BA, PhD Penn

Noel Goddard, Assistant Professor; BS, MS Polytechnic University, PhD Rockefeller

Steven G. Greenbaum, Professor; BA Clark, ScM, PhD Brown

Godfrey Gumbs, Maria A. Chianta and Alice M. Stoll Distinguished Professor, Physics and Astronomy; BA Cambridge (UK), MS, PhD Toronto (Canada)

Mark Hillery, Professor; BS MIT, MS, PhD California (Berkeley)

Hyungsik Lim, Assistant Professor; BEng Seoul National University, MS Ohio State, PhD Cornell

Neepa Maitra, Associate Professor; MA, PhD Harvard

Yuhang Ren, Associate Professor and Chair, Physics and Astronomy; BA Zhejiang Normal University (China), PhD
Rodney L. Varley, Associate Professor; BS Stevens Institute, PhD Brandeis

Marilyn W. Rothschild, Director, Physical Sciences Learning Center; BS City College, MS, PhD Rutgers

Political Science

Ann Cohen, B.A. University of Illinois, Political Science, M.A. University of Illinois, Political Science, Ph.D. University of Minnesota, Political Science

Jennifer Holt Dwyer, Assistant Professor, Political Science; BA Raymond Callison, MA, PhD Chicago

Kenneth Paul Erickson, Professor, Political Science; BA Michigan (Ann Arbor), PhD Columbia

Leonard Feldman, BA 1993 Yale University, MA 1995 University of Washington, PHD 2000 University of Washington

Rob Jenkins, BA Harvard, DPhil Sussex (UK)

Roger Karapin, Associate Professor, Political Science; BA, MA Pennsylvania State, PhD MIT

Robyn Marasco, BA Smith College, PhD University of California, Berkeley

Lina Newton, Assistant Professor, Political Science; BA Wesleyan, MA, PhD California (Irvine)

Rosalind Petchesky, Distinguished Professor, Political Science; BA Smith, MA, PhD Columbia

Andrew Polsky, Professor, Political Science; BA Wesleyan, MA, PhD Princeton

Cynthia Roberts, Associate Professor, Political Science; BA Tufts, PhD Columbia

Zachary Shirkey, BA University of Michigan, PhD Columbia University
Carolyn M. Somerville, Associate Professor, Political Science; BA, MA, PhD Michigan

Charles Tien, Associate Professor, Political Science; BA Michigan (Ann Arbor), PhD Iowa

John Wallach, Professor, Political Science; BA California (Santa Cruz), MA, PhD Princeton

Emily Zackin, BA from Swarthmore College, MA from Columbia University, PhD from Princeton University

Program and Courses in Chemistry

Chemistry

About the Department

The Department of Chemistry offers courses to prepare the science major for professional work and further study in chemistry and other fields of pure and applied science. Courses for the non-science major are designed to present those essentials of chemical fact and theory which will contribute to the student’s understanding of present-day scientific knowledge.

Programs and Course

Program and Courses in Chemistry

Administration and Faculty

Department Office:

1307 North
(212) 772-5330
Web site: http://www.hunter.cuny.edu/chemistry

Chair:

Hiroshi Matsui
1319 North
(212) 650-3918
hmatsui@hunter.cuny.edu

Faculty

Chemistry Faculty
HEGIS Code: 1905

Undergraduate Major

Chemistry - BA

Major

There are two chemistry majors: Major I, a 43-credit concentration in addition to an 11-credit general chemistry core, is designed to prepare the students with intensive training for professional research and graduate study. Major II consists of three options: Option 1 for students interested in the chemical industry; Option 2 (the biochemistry option) for students interested in the pharmaceutical industry, medicine, dentistry, veterinary medicine or physical therapy; Option 3 (bioinformatics option) for students interested in graduate studies in biochemistry and bioinformatics as well as pharmaceutical and biotechnology industry. Major II includes a minimum concentration of 28 credits (option 1), 26 credits (option 2), and 20.5 credits (option 3) in 200-level and above chemistry courses, in addition to an 11-credit general chemistry core. Options 1-3 are all appropriate for students pursuing teacher education programs.

Students considering a chemistry major should consult the departmental adviser during their first semester to plan the proper sequence of courses, and they are urged to consult with the adviser at least once each succeeding semester. A year of General Chemistry and the accompanying General Chemistry Laboratory are prerequisites for admission to both Major I and Major II.

• Chemistry Major I
• Chemistry Major II

Minor in Chemistry

A minor in Chemistry consists of a pre-requisite year of General Chemistry with laboratory and a minimum of 16 credits of coursework.

Prerequisite year of General Chemistry (note that MATH 12500 is a prerequisite to General Chemistry)

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10500 - General Chemistry Laboratory II

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.
Offered for transfer students who have completed only one semester of General Chemistry Laboratory.
prereq: One semester of General Chemistry Laboratory; prereq or coreq: CHEM 10400
4 hrs (3 lab, 1 rec)1.5 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

and a minimum of 16 credits of coursework which include the following required courses:

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs2.5 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

In addition, students will be required to take at least 5.5 credits of electives selected from Chemistry offerings numbered 200 or above, excluding

CHEM 29101 - Chemical Investigations
GER 3/B
Original chemical investigations under supervision of faculty member. Written report required. Enrollment for maximum of two semesters.

*prereq: CHEM 22400, perm chair
4 hrs 1 cr.

Honors Work

Opportunity for an individual research experience is provided by an honors course

**CHEM 49101 - Introduction to Research**

GER 3/B
Open to Jr/Sr only. Similar to CHEM 29101. Written report required. Fulfills requirement for departmental honors course.

*prereq: CHEM 22400, 35400, 34900, perm chair
4 hrs 1 cr.

**CHEM 49102 - Introduction to Research**

GER 3/B
Open to Jr/Sr only. Similar to CHEM 29102. Written report required. Fulfills requirement for departmental honors course.

*prereq: CHEM 22400, 35400, 34900, perm chair
8 hrs 2 cr.

**Electives**

Advanced lecture courses in special areas of chemistry, and lab courses providing training in inorganic and organic chemistry and in research techniques, are offered as electives for Major I and are open to students enrolled in Major II who have fulfilled the course prerequisites.

**Graduate Study**

Qualified chemistry majors may be admitted to 700-level courses in the graduate program. Permission of the department is required.

**Preparation for Teaching**

In cooperation with the School of Education, the Department of Chemistry provides opportunities for students to prepare for careers in teaching at the elementary and secondary level in the area of chemistry. Chemistry Major II, Option I (35 credits) and Option 2 (33 credits) both satisfy the requirements for New York State certification for teachers of chemistry in Childhood Education (Grades 1-6) and Adolescent Education (Grades 7-12). For students pursuing certification as chemistry teachers at the secondary level, the 23-credit adolescent education sequence is appropriate. Students who want to qualify for New York City licensing and New York State certification for teaching in secondary schools should consult the School of Education section of this catalog for additional requirements.
Chemistry Major I

Return to Program and Courses in Chemistry

General Chemistry Core:

One year of General Chemistry Lecture and Laboratory.

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

CHEM 11100 - Chemical Principles

GER 2/E
In-depth introduction to chemical principles including measurement, stoichiometric calculations, inorganic nomenclature, gas laws, equilibrium, acids, bases and buffers. Emphasis is placed on problem-solving, oral presentations, and collaborative work. Laboratory and coursework emphasize analysis and evaluation of data.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500 or equiv, MATH 12600
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5
offered fall

CHEM 11200 - Thermodynamics and Solution Chemistry
The study of quantum theory, atomic structure, periodic properties of the elements, kinetics, electrochemistry, and thermodynamics.

Primarily for pre-med, medical laboratory sciences and science majors.

prereq: CHEM 11100
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5 offered spring

The major consists of a minimum of 43 credits

The requirements for this major consist of a minimum of 43 credits in chemistry. This major is recommended for students preparing for admission to graduate school or for careers in chemical research. It will also be useful to students seeking a position in the chemical or allied industries, as it is accredited by the Committee on Professional Training of the American Chemical Society.

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**CHEM 22300 - Organic Chemistry Laboratory I**

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs2.5 cr.

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**CHEM 22500 - Organic Chemistry Laboratory II**

GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
prereq or coreq: CHEM 22400
5 hrs2.5 cr

**CHEM 24900 - Quantitative Analysis**

GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of quantitative analysis
such as pH and metal ion titrations, spectroscopic analysis including gas chromatography, electronic absorption, and fluorescence.

prereq: CHEM 10400, 10500
5 hrs (4 lab, 1 rec) 3 cr.

**CHEM 34900 - Instrumental Analysis**

GER 3/B
Principles of modern instrumental techniques; emphasis on spectroscopic and electrometric methods.

prereq: CHEM 35400 or 35600 with 35500
8 hrs (2 lec, 6 lab) 5 cr

**CHEM 35200 - Physical Chemistry I**

GER 3/B
Ideal and real gases. Laws of thermodynamics with applications to properties of solutions and phase equilibria in general.

prereq: CHEM 24900, MATH 15500, PHYS 12100
3 hrs 3 cr.
offered fall

**CHEM 35400 - Physical Chemistry II - F**

GER 3/B
Selected topics from statistical thermodynamics, electrochemistry, kinetic theory and rate processes.

prereq: CHEM 35200, MATH 25000
3 hrs 3 cr.
offered fall

-or-

**CHEM 35600 - Physical Chemistry II - S**

GER 3/B
Selected topics from quantum chemistry, molecular structure, and spectroscopy.

prereq: PHYS 12100, CHEM 24900, MATH 15500
3 hrs 3 cr.
offered spring

-with-

**CHEM 35500 - Physical Chemistry Laboratory I**

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35200 on chemical systems.

prereq: CHEM 24900
prereq or coreq: CHEM 35200
3 hrs1.5 cr.
offered fall

CHEM 35700 - Physical Chemistry Laboratory II

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35600 on chemical systems.

prereq: CHEM 24900 or perm chair
prereq or coreq: CHEM 35600
3 hrs1.5 cr.
offered spring

CHEM 36600 - Inorganic Chemistry

GER 3/B
Treatment of structure, bonding and reactivity of inorganic compounds.

prereq: CHEM 35200
3 hrs3 cr.

CHEM 37600 - Biochemistry I

GER 3/B
Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

prereq: CHEM 22400
4 hrs (3 lec, 1 rec)3 cr.
offered fall

CHEM 39000 - Current Laboratory Methods in Chemistry

GER 3/B
Offered subject to adequate student interest and enrollment. Taught by specialists from department faculty. The specific topic will be listed in the schedule of classes for a given semester.

prereq or coreq: CHEM 35700 or perm instr.
4 hrs2 cr.

One further laboratory course must be chosen from (research), (honors research) or the following

CHEM 29102 - Chemical Investigations

GER 3/B

Original chemical investigations under supervision of faculty member. Written report required. Enrollment for maximum of two semesters.
prereq: CHEM 22400, perm chair
8 hrs 2 cr.

-or-

CHEM 49102 - Introduction to Research

GER 3/B
Open to Jr/Sr only. Similar to CHEM 29102. Written report required. Fulfills requirement for departmental honors course.

prereq: CHEM 22400, 35400, 34900, perm chair
8 hrs 2 cr.

-or-

CHEM 37800 - Biochemistry Laboratory

GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of biochemistry such as protein analysis, enzyme purification, enzymatic assays, recombinant DNA and the polymerase chain reaction.

prereq: CHEM 22300 and CHEM 37600 or CHEM 64000
5 hrs (4 lab, 1 rec) 3 cr.

In addition, one additional lecture course must be chosen from among the following:

CHEM 32200 - Organic Chemistry Lecture III

GER 3/B
Selected topics such as advanced synthesis, reaction mechanisms, MO theory, natural products, NMR spectroscopy.

prereq: CHEM 22400, perm instr.
3 hrs 3 cr.

CHEM 35400 - Physical Chemistry II - F

GER 3/B
Selected topics from statistical thermodynamics, electrochemistry, kinetic theory and rate processes.

prereq: CHEM 35200, MATH 25000
3 hrs 3 cr.
offered fall

CHEM 35600 - Physical Chemistry II - S

GER 3/B
Selected topics from quantum chemistry, molecular structure, and spectroscopy.
prereq: PHYS 12100, CHEM 24900, MATH 15500
3 hrs 3 cr.
offered spring

CHEM 37700 - Biochemistry II

GER 3/B
Biosynthesis of lipids, amino acids, carbohydrates. Muscle contraction, hormones, immune response, DNA sequencing.

prereq: CHEM 37600 or BIOL 30000 or perm instr.
3 hrs 3 cr.
offered spring

Also acceptable for completion of Major I are

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100 or prereq or coreq: MATH 25000
4 hrs 4 cr.
-or-

PHILO 36200 - Theory of Knowledge (W)

GER 3/A
Study of origin, structure, methods and foundations of human knowledge.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.
-or-

PHILO 37900 - Philosophy of Science (W)

GER 3/B
Study of foundations of knowledge in natural and social sciences.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

Additional Information

Students should be aware, however, that if either of the philosophy courses is used to complete the Major I requirements, the major will not be eligible for accreditation by the American Chemical Society.

One year of physics, and four semesters of mathematics, are also required for this major

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound
GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.

prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000
4 hrs4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

prereq: MATH 15500
4 hrs4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.

prereq: MATH 25000
3 hrs3 cr.

-or-

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
prereq: MATH 15600prereq or coreq: MATH 25000
4 hrs4 cr.

Additional Information

CHEM 24900, MATH 15000 and MATH 15500, and PHYS 12100 are prerequisites for CHEM 35200 and should be completed by the end of the sophomore year.

Major I is required of all students who wish to be considered for certification by the American Chemical Society upon graduation. It is recommended for all students intending to enter the profession of chemistry through either graduate study or employment in industry or government. Students who can attend only in the evenings should consult the department adviser regarding the feasibility of completing Chemistry Major I.

Chemistry Major II

Return to Programs and Courses in Chemistry

General Chemistry Core:

One year of General Chemistry Lecture and Laboratory

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. 
*Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.
 or its equivalent
- or -
CHEM 11100 - Chemical Principles

GER 2/E
In-depth introduction to chemical principles including measurement, stoichiometric calculations, inorganic nomenclature, gas laws, equilibrium, acids, bases and buffers. Emphasis is placed on problem-solving, oral presentations, and collaborative work. Laboratory and coursework emphasize analysis and evaluation of data.

Primarily for pre-med, medical laboratory sciences and science majors.

prereq or coreq: MATH 12500 or equiv, MATH 12600
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5
offered fall

CHEM 11200 - Thermodynamics and Solution Chemistry

GER 2/E
The study of quantum theory, atomic structure, periodic properties of the elements, kinetics, electrochemistry, and thermodynamics.

Primarily for pre-med, medical laboratory sciences and science majors.

prereq: CHEM 11100
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5 offered spring

Option 1:

For students interested in a career in the chemical industry. It consists of a minimum of 28 credits in chemistry above the introductory level and an 11-credit general chemistry core for a minimum total of 39 credits of chemistry. One year of physics and three semesters of calculus are also required.

Required chemistry courses:

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs2.5 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.
CHEM 22500 - Organic Chemistry Laboratory II

GER 3/B
Continuation of CHEM 22300.

*prereq: CHEM 22200, 22300
*prereq or coreq: CHEM 22400
5 hrs 2.5 cr

CHEM 24900 - Quantitative Analysis

GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of quantitative analysis such as pH and metal ion titrations, spectroscopic analysis including gas chromatography, electronic absorption, and fluorescence.

*prereq: CHEM 10400, 10500
5 hrs (4 lab, 1 rec) 3 cr.

CHEM 35200 - Physical Chemistry I

GER 3/B
Ideal and real gases. Laws of thermodynamics with applications to properties of solutions and phase equilibria in general.

*prereq: CHEM 24900, MATH 15500, PHYS 12100
3 hrs 3 cr.
offered fall

CHEM 35400 - Physical Chemistry II - F

GER 3/B
Selected topics from statistical thermodynamics, electrochemistry, kinetic theory and rate processes.

*prereq: CHEM 35200, MATH 25000
3 hrs 3 cr.
offered fall

-or-

CHEM 35600 - Physical Chemistry II - S

GER 3/B
Selected topics from quantum chemistry, molecular structure, and spectroscopy.

*prereq: PHYS 12100, CHEM 24900, MATH 15500
3 hrs 3 cr.
offered spring

CHEM 35500 - Physical Chemistry Laboratory I
GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35200 on chemical systems.

prereq: CHEM 24900
prereq or coreq: CHEM 35200
3 hrs1.5 cr.
offered fall

CHEM 35700 - Physical Chemistry Laboratory II

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35600 on chemical systems.

prereq: CHEM 24900 or perm chair
prereq or coreq: CHEM 35600
3 hrs1.5 cr.
offered spring

Required elective course:

- Any chemistry course at the 300 level or above excluding CHEM 49101.

Required allied courses:

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs4 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound
GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
**prereq or coreq: coreq (with perm dept.): MATH 15000**
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

**PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
**prereq: PHYS 11000 or 11100**
**prereq or coreq: (with perm dept.): MATH 15500**
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

**Option 2 (Biochemistry option):**

For students preparing for admission to medical, dental, veterinary schools or physical therapy programs, or for students interested in a career in the pharmaceutical industry. It consists of a minimum of 26 credits above the introductory level and an 11-credit general chemistry core for a minimum total of 37 credits of chemistry. One year of physics, one year of biology and one year of calculus are also required.

**Required chemistry courses:**

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
**prereq: prereq for CHEM 22200: CHEM 10400**
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**CHEM 22300 - Organic Chemistry Laboratory I**

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.
**prereq: CHEM 10500**
**prereq or coreq: CHEM 22200**
5 hrs2.5 cr.

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
**prereq: prereq for CHEM 22400: CHEM 22200**
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**CHEM 22500 - Organic Chemistry Laboratory II**


GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
prereq or coreq: CHEM 22400
5 hrs 2.5 cr

CHEM 35000 - Biophysical Chemistry

GER 3/B
Essential physical chemical principles as applied to biological problems. Emphasis on kinetics, thermodynamics, and equilibria.

prereq: CHEM 22400, BIOL 10200, MATH 15000
5 hrs (4 lec, 1 rec) 4 cr
offered fall

CHEM 37600 - Biochemistry I

GER 3/B
Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

prereq: CHEM 22400
4 hrs (3 lec, 1 rec) 3 cr.
offered fall

CHEM 37800 - Biochemistry Laboratory

GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of biochemistry such as protein analysis, enzyme purification, enzymatic assays, recombinant DNA and the polymerase chain reaction.

prereq: CHEM 22300 and CHEM 37600 or CHEM 64000
5 hrs (4 lab, 1 rec) 3 cr.

Required elective course:

- Any chemistry course at the 200-level or above (excluding CHEM 29101 and CHEM 29500)

or-

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.

$10 materials fee required
prereq: BIOL 20000
coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

Required allied courses:

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

Option 3 (Bioinformatics option):

For students interested in graduate studies in biochemistry and bioinformatics as well as the pharmaceutical and biotechnology industry. In order to enroll in this Option, students must earn an average grade of B- or above in CHEM 10400, CHEM 22200, BIOL 10000, and MATH 15000. In addition, no more than one C grade is allowed in these four courses to declare Option 3. This option consists of a minimum of 20.5 credits above the introductory level and an 11-credit general chemistry core for a minimum total of 32 credits of chemistry. Three semesters of biology, one year of physics, one year of computer science, one year of calculus, and one semester of statistics are also required.

Required chemistry courses:

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

CHEM 22500 - Organic Chemistry Laboratory II

GER 3/B
Continuation of CHEM 22300.

prereq: CHEM 22200, 22300
prereq or coreq: CHEM 22400
5 hrs 2.5 cr

CHEM 35000 - Biophysical Chemistry
GER 3/B
Essential physical chemical principles as applied to biological problems. Emphasis on kinetics, thermodynamics, and equilibria.

prereq: CHEM 22400, BIOL 10200, MATH 15000
5 hrs (4 lec, 1 rec) 4 cr
offered fall

CHEM 37600 - Biochemistry I

GER 3/B
Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

prereq: CHEM 22400
4 hrs (3 lec, 1 rec) 3 cr.
offered fall

CHEM 37700 - Biochemistry II

GER 3/B
Biosynthesis of lipids, amino acids, carbohydrates. Muscle contraction, hormones, immune response, DNA sequencing.

prereq: CHEM 37600 or BIOL 30000 or perm instr.
3 hrs 3 cr.
offered spring

Required allied courses:

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior, ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

MATH 15000 - Calculus with Analytic Geometry I
GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

CSCI 13200 - Practical UNIX and Programming, with Lab

GER 2/E
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition.
This course cannot be counted towards the CSCI major.
prereq: none
3 hrs3 cr.

CSCI 23200 - Relational Databases and SQL Programming, with Lab

GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.
Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.
prereq: CSCI 13200
3 hrs3 cr.
STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

Undergraduate Major/Graduate Major

Chemistry/Adolescent Education: Chemistry - BA/MA

An accelerated program leading to a BA in Chemistry and an MA in Adolescent Education: Chemistry. Undergraduates admitted to the program start graduate courses during their senior year and will be able to complete the MA degree one year after they complete the requirements for the BA degree. Students interested in the program should speak to a chemistry department adviser during their sophomore year to review the curriculum path for the five-year program. A minimum of 134 credits is required for the dual degree.

Chemistry

Note: No student may receive credit for both CHEM 10000-10100 and 10200-10300 or 11100; no student may receive credit for both CHEM 12000-12100 and 22200-22300.

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.
Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
4 hrs (3 lec, 1 rec) 3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec) 1.5 cr.

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10500 - General Chemistry Laboratory II

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.
Offered for transfer students who have completed only one semester of General Chemistry Laboratory.
prereq: One semester of General Chemistry Laboratory;prereq or coreq: CHEM 10400
4 hrs (3 lab, 1 rec)1.5 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

CHEM 11100 - Chemical Principles

GER 2/E
In-depth introduction to chemical principles including measurement, stoichiometric calculations, inorganic nomenclature, gas laws, equilibrium, acids, bases and buffers. Emphasis is placed on problem-solving, oral presentations, and collaborative work. Laboratory and coursework emphasize analysis and evaluation of data.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500 or equiv, MATH 12600
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5
offered fall

CHEM 11200 - Thermodynamics and Solution Chemistry

GER 2/E
The study of quantum theory, atomic structure, periodic properties of the elements, kinetics, electrochemistry, and thermodynamics.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 11100
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop)5.5 offered spring

CHEM 11500 - Introductory Chemistry
An introduction to the fundamental concepts in chemistry including atomic and molecular structure, chemical bonding, stoichiometry, and solution chemistry.  

This course is appropriate for students who have had no prior coursework in chemistry.  

prereq or coreq: MATH 12500  

4 hrs (3 lec, 1 rec) 3 cr.

**CHEM 12000 - Essentials of Organic Chemistry Lecture**

GER 2/E  

Course presents essential facts, laws and theories of organic chemistry.  

Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.  

prereq: CHEM 10000  

4 hrs (3 lec, 1 rec) 3 cr.

**CHEM 12100 - Essentials of Organic Chemistry Laboratory**

GER 2/E  

Experiments designed to illustrate fundamental laws and techniques of organic chemistry.  

Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.  

prereq: CHEM 10100  

prereq or coreq: CHEM 12000  

4 hrs (3 lab, 1 rec) 1.5 cr.

**CHEM 15000 - Peer-Led Teaching in Chemistry**

Students learn to become peer-leaders for workshops held in either Essentials of Chemistry, General Chemistry, or Organic Chemistry. Topics include: multiple intelligences and differences in learning styles; basic theory of learning; issues related to race, class and gender.  

prereq: CHEM 12000, CHEM 10400, or CHEM 11200 and perm dept.  

2 hrs 1 cr.

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B  

Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.  

prereq: prereq for CHEM 22200: CHEM 10400  

5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

**CHEM 22300 - Organic Chemistry Laboratory I**

GER 3/B  

Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.  

prereq: CHEM 10500  

prereq or coreq: CHEM 22200  

5 hrs 2.5 cr.

**CHEM 22400 - Organic Chemistry Lecture II**
GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.  
prereq: prerequisite for CHEM 22400: CHEM 22200  
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**CHEM 22500 - Organic Chemistry Laboratory II**

GER 3/B  
Continuation of CHEM 22300.  

prereq: CHEM 22200, 22300  
prereq or coreq: CHEM 22400  
5 hrs2.5 cr

**CHEM 24900 - Quantitative Analysis**

GER 3/B  
A set of laboratory experiments, performed by individual students, covering important areas of quantitative analysis such as pH and metal ion titrations, spectroscopic analysis including gas chromatography, electronic absorption, and fluorescence.  

prereq: CHEM 10400, 10500  
5 hrs (4 lab, 1 rec)3 cr.

**CHEM 29101 - Chemical Investigations**

GER 3/B  
Original chemical investigations under supervision of faculty member. Written report required. Enrollment for maximum of two semesters.  

prereq: CHEM 22400, perm chair  
4 hrs 1 cr.

**CHEM 29102 - Chemical Investigations**

GER 3/B  
Original chemical investigations under supervision of faculty member. Written report required. Enrollment for maximum of two semesters.  

prereq: CHEM 22400, perm chair  
8 hrs2 cr.

**CHEM 29500 - Introduction to Planning and Teaching of Laboratory Work in Chemistry**

Participate in supervised teaching experiments that demonstrate important principles of chemistry.  

prereq: CHEM 10400, CHEM 10500, two letters from faculty who have taught the student  
5 hrs (2 planning, 3 lab)2 cr.

**CHEM 32200 - Organic Chemistry Lecture III**
Selected topics such as advanced synthesis, reaction mechanisms, MO theory, natural products, NMR spectroscopy.

\textit{prereq: CHEM 22400, perm instr.}
3 hrs3 cr.

**CHEM 34900 - Instrumental Analysis**

GER 3/B
Principles of modern instrumental techniques; emphasis on spectroscopic and electrometric methods.

\textit{prereq: CHEM 35400 or 35600 with 35500}
8 hrs (2 lec, 6 lab)5 cr

**CHEM 35000 - Biophysical Chemistry**

GER 3/B
Essential physical chemical principles as applied to biological problems. Emphasis on kinetics, thermodynamics, and equilibria.

\textit{prereq: CHEM 22400, BIOL 10200, MATH 15000}
5 hrs (4 lec, 1 rec)4 cr
\textit{offered fall}

**CHEM 35200 - Physical Chemistry I**

GER 3/B
Ideal and real gases. Laws of thermodynamics with applications to properties of solutions and phase equilibria in general.

\textit{prereq: CHEM 24900, MATH 15500, PHYS 12100}
3 hrs3 cr.
\textit{offered fall}

**CHEM 35400 - Physical Chemistry II - F**

GER 3/B
Selected topics from statistical thermodynamics, electrochemistry, kinetic theory and rate processes.

\textit{prereq: CHEM 35200, MATH 25000}
3 hrs3 cr.
\textit{offered fall}

**CHEM 35500 - Physical Chemistry Laboratory I**

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35200 on chemical systems.

\textit{prereq: CHEM 24900}
\textit{prereq or coreq: CHEM 35200}
CHEM 35600 - Physical Chemistry II - S

GER 3/B
Selected topics from quantum chemistry, molecular structure, and spectroscopy.

prereq: PHYS 12100, CHEM 24900, MATH 15500
3 hrs3 cr.
offered spring

CHEM 35700 - Physical Chemistry Laboratory II

GER 3/B
Laboratory course involving experiments based on topics covered in CHEM 35600 on chemical systems.

prereq: CHEM 24900 or perm chair
prereq or coreq: CHEM 35600
3 hrs1.5 cr.
offered spring

CHEM 36600 - Inorganic Chemistry

GER 3/B
Treatment of structure, bonding and reactivity of inorganic compounds.

prereq: CHEM 35200
3 hrs3 cr.

CHEM 37600 - Biochemistry I

GER 3/B
Chemical aspects of protein structure and function, fundamentals of bioenergetics, biochemical mechanisms of gene replication and expression.

prereq: CHEM 22400
4 hrs (3 lec, 1 rec)3 cr.
offered fall

CHEM 37700 - Biochemistry II

GER 3/B
Biosynthesis of lipids, amino acids, carbohydrates. Muscle contraction, hormones, immune response, DNA sequencing.

prereq: CHEM 37600 or BIOL 30000 or perm instr.
3 hrs3 cr.
offered spring

CHEM 37800 - Biochemistry Laboratory
GER 3/B
A set of laboratory experiments, performed by individual students, covering important areas of biochemistry such as protein analysis, enzyme purification, enzymatic assays, recombinant DNA and the polymerase chain reaction.

**prereq:** CHEM 22300 and CHEM 37600 or CHEM 64000
5 hrs (4 lab, 1 rec)3 cr.

**CHEM 38800 - Topics of Current Interest in Chemistry**

GER 3/B
Offered subject to adequate student interest and enrollment. Taught by specialists from department faculty. The specific topic will be listed in the schedule of classes for a given semester.

**prereq or coreq:** CHEM 35200 and CHEM 35600 or perm instr.
3 hrs3 cr.

**CHEM 39000 - Current Laboratory Methods in Chemistry**

GER 3/B
Offered subject to adequate student interest and enrollment. Taught by specialists from department faculty. The specific topic will be listed in the schedule of classes for a given semester.

**prereq or coreq:** CHEM 35700 or perm instr.
4 hrs2 cr.

**Chemistry: Honors Course**

**CHEM 49101 - Introduction to Research**

GER 3/B
Open to Jr/Sr only. Similar to CHEM 29101. Written report required. Fulfills requirement for departmental honors course.

**prereq:** CHEM 22400, 35400, 34900, perm chair
4 hrs 1 cr.

**CHEM 49102 - Introduction to Research**

GER 3/B
Open to Jr/Sr only. Similar to CHEM 29102. Written report required. Fulfills requirement for departmental honors course.

**prereq:** CHEM 22400, 35400, 34900, perm chair
8 hrs2 cr.

**Program and Courses in Jewish Studies**
Jewish Studies

About the Program

The Jewish Studies Program is an interdisciplinary major that coordinates courses dealing with historical and contemporary Jewry and Judaism offered by a wide range of Hunter departments and programs. The Program also sponsors academic lectures and conferences for Hunter students, faculty and staff and for the general community.

The Jewish studies program offers a 24-credit major leading to a BA degree in Jewish studies with courses taken in various departments and programs. Students must fulfill a language requirement either by passing a language test in Hebrew or by successfully completing 2 years of Hebrew. There is opportunity to receive academic credit for fieldwork with a Jewish community agency, as well as for accredited summer study programs in Israel and guided independent study.

Programs and Courses

Program and Courses in Jewish Studies

Administration and Faculty

Program Office:

1546 West
(212)772-5542

Program Director:

Robert M. Seltzer
1510 West
(212)772-5490
rseltzer@hunter.cuny.edu

Faculty

Jewish Studies Faculty

HEGIS Code: 0309

Undergraduate Major

Jewish Studies - BA

Jewish Studies Major
The Jewish Studies program offers a 24-credit major. The 24 required credits are distributed as follows:

**Required of All Majors**

The 6 core credits required of all majors are:

**HIST 20800 - History of the Jews**

GER 2/B, PD/A
An introductory survey emphasizing how Jewish communities adapted to a wide range of environments during more than 3000 years of world history.
*prereq or coreq: ENGL 12000*
3 hours 3 credits

**HEBR 22200 - Introduction to Jewish Texts and Writings**

A broad survey of influential Jewish texts and literary masterpieces from ancient to modern times.
*prereq or coreq: ENGL 120*
3 hours 3 credits

**15 Credits in Jewish Studies**

In addition to the core courses, students must select 15 credits in Jewish studies in conjunction with the program adviser, at least 6 of which must be at the 300-level or above. Students are encouraged to select from, but are not limited to, the following:

**HEBR 21100 - Masterpieces of Medieval Hebraic Literature in Translation (W)**

GER 2/C PD/D
Selections from major works reflecting Jewish life and thought in medieval Islamic world and Christendom.
3 hrs 3 cr.

**HEBR 21200 - Readings in Modern Hebrew Literature in Translation (W)**

GER 2/C
Survey of Hebraic literature from Enlightenment movement to present.
3 hrs 3 cr

**HEBR 21800 - Masterpieces of Yiddish Literature in Translation (W)**

GER 3/A PD/D
Study of major works in Yiddish literature from Mendele Mocher Seforim to present.
*prereq: ENGL 22000*
3 hrs 3 cr

**HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)**
GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.
3 hrs 3 cr

HEBR 49100 - Honors Project

Individual study and research in Hebrew literature in consultation with staff member. Honors essay required. May be repeated as topics vary from semester to semester.
prereq: Jr/Sr only; perm division
1 sem 3 cr.

HIST 21000 - History of Judaism

GER 2/B
Survey of the Jewish religious tradition with attention to interactions between Judaism and other religions and to the role of Judaism in the formation of Christianity and Islam.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 24200 - The Holocaust: An Introduction

PD/D
The attempt to exterminate the Jewish people by the Nazis.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 30900 - Jewish History in the Ancient World

GER 3/B PD/A
The Jewish people from its origins in late antiquity; social and intellectual developments from biblical to Talmudic times.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 31000 - Jewish History in the Medieval and Early Modern Periods

GER 3/B PD/D
The Jewish people from late antiquity to 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 32000 - Jewish History in the Modern World (W)

GER 3/B PD/D
From the 18th century to the present: Enlightenment, Jewish emancipation and nationalism, a Jewish state; anti-Semitism and the Holocaust; recent trends.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.
**HIST 32100 - History of the Holocaust**

GER 3/B  
Examination of the mass murder of 6 million Jews by the Nazi regime during World War II.  
Courses at the 300-level and above not offered to freshmen.  
3 hrs 3 cr.

**HIST 35700 - American-Jewish History (W)**

GER 3/B PD/D  
Development of the American Jewish community; economic, political and social integration; cultural adaptation.  
Courses at the 300-level and above not offered to freshmen.  
prereq or coreq: ENGL 12000  
3 hrs 3 cr.

**JSS 31000 - Jewish Studies Fieldwork**

Supervised experience in a Jewish community agency, periodic consultation with program director and preparation of report or term paper based on the experience. May be taken twice for a total of 6 cr.  
prereq: qualified Jr/Sr.  
hrs TBA 3-6 cr.

**JSS 40000 - Individual Honors Project**

Not open to students who have completed fewer than 60 credits. Guided readings on a topic in Jewish studies under faculty supervision. May be repeated on different topics for a total of 6 credits. A substantial research paper is required.  
Selected topics and problems in Jewish studies. qualified Jr/Sr, perm instr. or program director  
prereq: 12 cr. in Jewish Social Studies, perm program director  
3-6 hrs 3-6 cr.

**JSS 41050 - Jewish Studies Seminar I**

Selected topics and problems in Jewish studies.  
prereq: qualified Jr/Sr, perm instr. or program director  
3 hrs 3 cr. each

**JSS 41051 - Jewish Studies Seminar II**

Selected topics and problems in Jewish studies.  
prereq: qualified Jr/Sr, perm instr. or program director  
3 hrs 3 cr. each

**POLSC 26400 - Government and Politics of Israel (W)**

GER 3/B  
Historic evolution of the Jewish state and its political system, social issues and foreign policy.  
prereq: ENGL 12000 or its equivalent  
3 hrs 3 cr.

**REL 25200 - Ancient Near Eastern Religions (W)**
GER 2/C PD/A
Study of Egyptian religion, religions of Sumer and Babylonia, religion of the early Hebrews (including the Old Testament).
prereq: ENGL 12000
3 hrs3 cr.

REL 25300 - Western Religions (W)

GER 2/C PD/D
Survey of major Western religions – Christianity, Judaism, Zoroastrianism and Islam.
prereq: ENGL 12000
3 hrs3 cr.

More Options

Other courses that may be selected to meet this 15-credit requirement are ENGL 38663 (ENGL 38600), The Bible in British and American Literature, ENGL 39058 (ENGL 39000), Literature and Catastrophe (focus on Holocaust Studies), ENGL 39968 (ENGL 39900), Jewish American Literature, HIST 740, Modern Jewish Social and Intellectual History (see graduate catalog) and HIST 748, American Jewish History (see graduate catalog).

Note

Up to 6 credits of independent study and fieldwork may be taken unless special permission is obtained from the program adviser.

Capstone Course (3 Credits)

One of the following courses should be taken as a capstone course:

JSS 40000 - Individual Honors Project

Not open to students who have completed fewer than 60 credits. Guided readings on a topic in Jewish studies under faculty supervision. May be repeated on different topics for a total of 6 credits. A substantial research paper is required.
Selected topics and problems in Jewish studies. qualified Jr/Sr, perm instr. or program director
prereq: 12 cr. in Jewish Social Studies, perm program director
3-6 hrs3-6 cr.

JSS 41050 - Jewish Studies Seminar I

Selected topics and problems in Jewish studies.
prereq: qualified Jr/Sr, perm instr. or program director
3 hrs3 cr. each

JSS 41051 - Jewish Studies Seminar II

Selected topics and problems in Jewish studies.
prereq: qualified Jr/Sr, perm instr. or program director
3 hrs3 cr. each
Minor in Jewish Studies

The minor in Jewish Studies consists of 12 credits and must include HIST 20800, History of the Jews, and HEBR 22200, Introduction to Jewish Texts and Writings. The remaining 6 credits in Jewish Studies are to be selected in consultation with an adviser. Students can apply to the minor up to 6 credits in Independent Studies (JSS 30000 or JSS 40000) or fieldwork (JSS 31000). Six credits in Jewish studies can be transferred from other institutions of higher learning.

Honors in Jewish Studies

Students will be eligible for honors in Jewish Studies upon completion of 24 credits in Jewish Studies with a 3.5 GPA and a 2.8 cumulative GPA at the time of graduation. To be eligible to graduate with honors in Jewish Studies, students can take the following JSS 40000 (Individual Honors Project) or JSS 41050/JSS 41051 (Jewish Studies Seminar, I or II), HEBR 49100 (Honors Project) or graduate courses with special permission, with a grade of B or better. Eligible students should apply for honors at the time they file for graduation.

Jewish Studies

JSS 30000 - Independent Studies

Not open to students who have completed fewer than 30 credits. Guided readings under faculty supervision on a topic in Jewish Social Studies. May be repeated up to 3 times for a total of not more than 9 credits.

**prereq:** 3 cr. in Jewish Social Studies recommended
1-6 hrs 1-6 cr.

JSS 31000 - Jewish Studies Fieldwork

Supervised experience in a Jewish community agency, periodic consultation with program director and preparation of report or term paper based on the experience. May be taken twice for a total of 6 cr.

**prereq:** qualified Jr/Sr.
hrs TBA 3-6 cr.

JSS 40000 - Individual Honors Project

Not open to students who have completed fewer than 60 credits. Guided readings on a topic in Jewish studies under faculty supervision. May be repeated on different topics for a total of 6 credits. A substantial research paper is required.

Selected topics and problems in Jewish studies. qualified Jr/Sr, perm instr. or program director

**prereq:** 12 cr. in Jewish Social Studies, perm program director
3-6 hrs 3-6 cr.

JSS 41050 - Jewish Studies Seminar I

Selected topics and problems in Jewish studies.

**prereq:** qualified Jr/Sr, perm instr. or program director
3 hrs 3 cr. each

JSS 41051 - Jewish Studies Seminar II
Selected topics and problems in Jewish studies.

prereq: qualified Jr/Sr, perm instr. or program director
3 hrs3 cr. each

Program and Courses in Religion

Religion

About the Program

In the program in Religion, students examine the nature of religion and the forms its various expressions have taken. Religion is studied as an academic discipline and the program’s approach reflects no doctrinal bias. The purposes of the program are to introduce the field of religion in general; to present the thoughts, documents and history of major religious traditions (both Eastern and Western, ancient and modern, missionary and tribal); and to give students insight into specific religious issues and thinkers.

The program in Religion consists of a series of core courses taught by specialists in the field, augmented by other religion courses offered by faculty in 8 participating departments or divisions: Anthropology, Africana and Puerto Rican/Latino Studies, Chinese, Classics, Hebrew, History, Philosophy and Sociology.

The program is divided into five categories of courses: Introduction to the field of religion (basic introductory courses); Theoretical studies in religion (courses focusing on different methodological approaches to the study of religion); Issues in religion (courses dealing with religious experience, faith, ethics, religion and the arts); Religious traditions (courses in major religious traditions); Related courses.

Program in Religion

Religion - BA

Administration and Faculty

Program Office:

1241 West
(212) 772-4989
Web site: http://www.hunter.cuny.edu/religion

Director:

Barbara Sproul
1206 West
(212)772-4986
bsproul@hunter.cuny.edu

Faculty

Religion Faculty

HEGIS Code: 1510
Religion - BA

Return to: Religion Program Information

Major (24 cr)

At least 18 credits are to be taken from Courses in Religion categories I-IV:

I. Introduction to the field of religion;
II. Theoretical studies in religion;
III. Issues in religion;
IV. Religious traditions.

Both introductory courses (REL 11000, REL 11100) must be taken and followed by at least one course in theoretical studies, one in religious issues and one in religious traditions;

V. Related courses. No more than two courses from this category may be applied toward the major.

On becoming a major the student, in consultation with the director, will select one member of the program in Religion staff as his or her major adviser. Each religion major is required to consult with this adviser at least twice a year.

Religion Program Courses

Introduction to the Field of Religion

REL 11000 - Nature of Religion (W)

GER 2/C
Study of basic facets of religion: God, ethics, worship, faith, myth, ritual, symbolism, etc.
3 hrs 3 cr.

REL 11100 - Approaches to Religion (W)

GER 2/C
Different understandings of religion: sociological, anthropological, psychological, philosophical, theological.
prereq: ENGL 12000
3 hrs 3 cr.

Theoretical Studies in Religion

ANTHC 30700 - Anthropology of Religion

GER 3/B PD/A
Emphasis on non-Western societies; theories of religion, magic; functions and symbolic meaning.
3 hrs 3 cr.

PHILO 26200 - Philosophy of Religion (W)
GER 3/A
Philosophical examination of some religious questions and beliefs.
*prereq: one course in philosophy or religion (see statement under Program Prerequisites)*
3 hrs 3 cr.

**REL 27000 - Religion and Psychology (W)**

GER 2/C PD/D
An examination of ways in which psychology understands, describes, values (or devalues) religion using the media of text, story and film.
*prereq: ENGL 12000*
3 hrs 3 cr.

**SOC 20500 - Religion**

GER 3/B
Comparative study of religion in human societies. Analysis of beliefs, myths and sacred attitudes.
*prereq: SOC 10100*
3 hrs 3 cr.

**REL 39000 - Modern Theories in Religion (W)**

GER 3/A PD/D
An advanced methodology course surveying key issues and main approaches under discussion in the current study of religion when standard methods of interpretation are being subjected to exhaustive critique and revision and new theories are being proposed.
*prereq: ENGL 12000, REL 11100 or equiv; at least one other course in religion or a theoretical course offered by participating department, such as ANTHC 30700, PHILO 26200 or SOC 205OO; perm instr.*
3 hrs 3 cr.

**REL 26000 - Special Topics: Theoretical Studies in Religion**

Specialized study of a methodological approach to the study of religion. Different topic each time offered.
3 hrs 3 cr.

**REL 36000 - Special Topics: Theoretical Studies in Religion**

GER 3/A
Specialized study of a methodological approach to study of religion. Different topic each time offered.
3 hrs 3 cr.

**Issues in Religion**

**REL 20400 - Religious Experience (W)**

GER 2/C PD/D
Cross-cultural analysis of religious experiences: Biblical, ancient Greek, Asian, modern Western.
*prereq: ENGL 12000*
3 hrs 3 cr.
REL 20500 - Faith and Disbelief (W)

GER 2/C PD/D
Examination of questions of faith and disbelief in modern Western thought.
prereq: ENGL 12000
3 hrs3 cr.

REL 20600 - Ideas of God in Contemporary Western Thought (W)

GER 2/C PD/D
Survey of representative schools of current Western religious thought: Christian theism, metaphysical protest, process theology, feminist theology, liberation theology, beyond theism thought.
prereq: ENGL 12000
3 hrs3 cr.

REL 20700 - Religious Sources for Morality (W)

GER 2/C PD/D
Religious reasons for determining good and evil; religious sources for ethical decisions.
prereq: ENGL 12000
3 hrs3 cr.

REL 20800 - Religion and Social Justice (W)

GER 2/B PD/D
An exploration into religious perspectives on such social issues as war, race, the economy and gender relations.
prereq: ENGL 12000
3 hrs3 cr.

REL 30700 - Religious Ideas in Modern Literature (W)

GER 3/A PD/D
Exploration of religious themes in modern literature.
prereq: ENGL 12000
3 hrs3 cr.

REL 30800 - Religion and the Arts (W)

GER 3/A PD/D
Examination of religious themes in art, music, theatre, cinema, or literature. Different topics each time offered.
prereq: ENGL 12000
3 hrs3 cr.

REL 30900 - The Religious Meaning of Love and Sex (W)

GER 3/A PD/D
Interdisciplinary investigation of the major ways humankind has understood the relation between the sexually erotic and religious realities.
prereq: ENGL 12000
3 hrs3 cr.
REL 31000 - The Religious Meaning of Death (W)
GER 3/A PD/D
Consideration of the meaning of death in major world religions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31100 - Women and Religion (W)
GER 3/A PD/C
An examination of the role of women and the concept of the feminine in world religions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31200 - Religion and Politics (W)
GER 3/A PD/D
The role of political ideology in the shaping of religious belief and theology's influence on politics in Western and non-Western traditions, both conservative and radical.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31300 - Spirit and Nature (W)
GER 3/A PD/D
An exploration of the ideas of nature and animal life in a representative sampling of the religious traditions of the world, inquiring into the implications for environmental policy and the treatment of animals.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31500 - The Problem of Evil (W)
GER 3/A PD/D
Exploration of the religious meaning of evil in different cultures.
prereq: ENGL 12000
3 hrs 3 cr.

REL 33400 - Mysticism (W)
GER 3/A PD/D
Cross-cultural exploration of mystical experience and mystical doctrines, as well as an exploration of the various methods of studying them.
prereq: ENGL 12000
3 hrs 3 cr.

REL 33500 - Myth and Ritual (W)
GER 3/A PD/D
Cross-cultural exploration of myth and ritual and their place in various cultures; methodologies for analysis.
prereq: ENGL 12000
3 hrs 3 cr.

REL 34000 - Homosexuality in World Religions (W)

GER 3/A PD/C
A survey and analysis of typical ways in which homosexuality has been understood, evaluated and in some cases institutionalized in a variety of religious traditions, attending especially to implicit constructions of gender.
prereq: ENGL 12000
3 hrs 3 cr.

REL 26100 - Special Topics: Issues in Religion

Study of particular religious topics or thinkers. Different subject each time offered.
3 hrs 3 cr.

REL 36100 - Special Topics: Issues in Religion

GER 3/A
Study of particular religious topics or thinkers. Different subject each time offered.
3 hrs 3 cr.

Religious Traditions

Eastern Religions

REL 25100 - Eastern Religions (W)

GER 2/C PD/A
Study of Hinduism, Buddhism, Jainism, Taoism and Confucianism.
prereq: ENGL 12000
3 hrs 3 cr.

REL 32000 - Hinduism (W)

GER 3/A PD/A
Study of Hinduism, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs 3 cr.

REL 32100 - Buddhism (W)

GER 3/A PD/A
Study of Buddhism, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs 3 cr.

REL 33600 - Zen (W)
GER 3/A PD/A
An inquiry into the teachings of Chinese and Japanese Zen in light of their Buddhist and Daoist backgrounds.

*prereq: ENGL 12000
3 hrs 3 cr.*

**PHILO 21900 - Asian Philosophies**

GER 3/A PD/A
Readings from classics of Indian, Chinese and Japanese philosophy drawn from traditions of Buddhism, Hinduism, Taoism and Confucianism.

*prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.*

**African and Afro-American Religions**

**REL 25600 - Afro-Caribbean Religions (W)**

GER 2/C PD/B
An introduction to the diversity of African-based religions in the Caribbean and beyond.

*prereq: ENGL 12000
3 hrs 3 cr.*

**AFPRL 22000 - African Spirituality in the Diaspora**

GER 2/C PD/A or B
The nature and expressions of the spiritual ethos enabling the survival of classical African human values in dehumanizing circumstances during and after enslavement in North America, South America and the Caribbean.

*3 hrs 3 cr.*

**AFPRL 32200 - African World View: Philosophy and Symbolic Thought (W)**

GER 3/A PD/A
Examination of African religious systems, metaphysical conceptions and philosophy.

*prereq: AFPRL 22000 or perm instr.
3 hrs 3 cr.*

offered every other sem.

**AFPRL 32300 - Islam and Christianity in Africa (W)**

GER 3/A
Examination of relationship of Islam and Christianity to primary African religion and their political role in African history.

*prereq: AFPRL 201 or 202 or 222 or perm instr.
3 hrs 3 cr.*

**AFPRL 36200 - Puerto Rican and Caribbean Religious Practices (W)**

GER 3/A PD/A or B
Reading knowledge of Spanish suggested. Analysis of roots of folk religion in Indian, African and Spanish cultures. Religious syncretisms, popular imagery and ritual practices.
**AFPRL 42000 - The Black Church and Social Change**

GER 3/B
In-depth study of the sociopolitical role of Black church in political struggle of Black people with special emphasis on America.
*prereq: AFPRL 20300 or 20400 or 20500 or perm instr.*
3 hrs3 cr.

**Western Religions**

**REL 25200 - Ancient Near Eastern Religions (W)**

GER 2/C PD/A
Study of Egyptian religion, religions of Sumer and Babylonia, religion of the early Hebrews (including the Old Testament).
*prereq: ENGL 12000*
3 hrs3 cr.

**REL 25300 - Western Religions (W)**

GER 2/C PD/D
Survey of major Western religions – Christianity, Judaism, Zoroastrianism and Islam.
*prereq: ENGL 12000*
3 hrs3 cr.

**REL 25500 - Religions of Two Gods (W)**

GER 2/C PD/A
A survey of historical varieties of dualistic religion both classical and modern which inquires into the moral grounds for their recurring appeal.
*prereq: ENGL 12000*
3 hrs3 cr.

**HEBR 24000 - Introduction to the Old Testament**

GER 2/C PD/A
Survey of the books of the Old Testament, their form, content and cultural background. Introduction to the tools and methods of modern biblical criticism.
3 hrs3 cr

**HEBR 25900 - Old Testament Religion**

GER 2/C PD/A
Comprehensive survey of ancient Israelite religious practice, expression and thought as reflected in Hebrew Bible.
3 hrs3 cr

**HEBR 28600 - Ancient Near Eastern Literature and the Bible**
Comparative study of ancient Near Eastern literature and the Hebrew Bible.

**HEBR 29200 - The Hebrew Prophets**

Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical and religious thought.

**HEBR 29400 - Job, Ecclesiastes and the Human Predicament**

Study of form, content and religious significance of these two enigmatic masterworks.

**HIST 21000 - History of Judaism**

Survey of the Jewish religious tradition with attention to interactions between Judaism and other religions and to the role of Judaism in the formation of Christianity and Islam.

**HIST 30900 - Jewish History in the Ancient World**

The Jewish people from its origins in late antiquity; social and intellectual developments from biblical to Talmudic times.

**HIST 31000 - Jewish History in the Medieval and Early Modern Periods**

The Jewish people from late antiquity to 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.

**HIST 32000 - Jewish History in the Modern World (W)**

From the 18th century to the present: Enlightenment, Jewish emancipation and nationalism, a Jewish state; anti-Semitism and the Holocaust; recent trends.

**CLA 30300 - Religion of Ancient Greece (W)**
GER 3/A
The Ancient Greek religious experience: official rites, mystery cults, oracles, personal religious belief, and practice.
prereq: ENGL 12000, CLA 10100 or 20100
3 hrs 3 cr.

CLA 30400 - Pagans and Christians (W)

GER 3/A PD/D
Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

REL 33000 - New Testament Religion (W)

GER 3/A PD/D
prereq: ENGL 12000
3 hrs 3 cr.

REL 32300 - Christianity (W)

GER 3/A PD/D
Analysis of the Christian religion which employs methodologies of the academic study of religion and which aims to uncover the unity of Christian faith embodied in its various expressions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 33300 - Christian Theology (W)

GER 3/A PD/D
An examination of key doctrines in Christian thought such as trinity, incarnation, existence of God and grace.
prereq: ENGL 12000
3 hrs 3 cr.

HIST 31400 - Ancient and Medieval Christianity (W)

GER 3/B PD/D
The development of Christianity from Jesus to Luther; theology and mysticism, lay and monastic spirituality; the papacy and dissidents; gender and sexuality; relations with Judaism and Islam. Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 31500 - Christianity in Modern Times

GER 3/B
Not offered to freshmen. Transformation of Christianity since the Reformation, Enlightenment and modern political and intellectual challenges.
3 hrs 3 cr.
HIST 31600 - History of Religion in the United States

GER 3/B
Changing European churches and indigenous American sects; their architecture, leaders and ideas.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

REL 32200 - Islam (W)

GER 3/A PD/A
Study of Islam, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs3 cr.

REL 32400 - Islam and Buddhism (W)

GER 3/A PD/A
Study of Islam and Buddhism, their founders, development, beliefs, rituals and interaction.
prereq: ENGL 12000
3 hrs3 cr.

REL 33700 - Sufism (W)

GER 3/A PD/A
A course on the esoteric or mystical dimension of Islam, known among Muslims as ta/awwuf, attending to the history, doctrine and metaphysics of the Sufi path.
prereq: ENGL 12000
3 hrs3 cr.

Tribal Religions

REL 25400 - Tribal Religions: From Australia to the Americas (W)

GER 2/C PD/A or B
Study of indigenous religions of Pacific Islanders and North American Indians.
prereq: ENGL 12000
3 hrs3 cr.

Special Topics in Traditions

REL 26200 - Special Topics: Religious Traditions

Specialized study of specific religious traditions or groups of traditions. Different topic each time offered.
3 hrs3 cr.

REL 36200 - Special Topics: Religious Traditions
GER 3/A
Specialized study of specific religious tradition or groups of traditions. Different topic each time offered.
3 hrs 3 cr.

Independent Study

REL 41000 - Independent Study in Religion

Open to majors only. Individual research and writing on topic in religion under supervision of a religion professor.
prereq: perm chair
hrs TBA 1-6 cr.

Honors

To qualify for departmental honors, a student must take either of the following completing either with a grade of B or above and achieving a final GPA in religion major courses of at least 3.5 and a final cumulative GPA of at least 3.0.

REL 45000 - Honors Seminar in Religion

Specialized study in religion. For religion majors or other advanced religion students. Different topic each time offered. May be taken a second or third time with another subject. One topic offered under REL 45000 or 49000 satisfies the course requirements for departmental honors.
prereq: five courses in religion or a major/CUNY-BA focus in religion and perm instr. or program director
3 hrs 3 cr.

REL 49000 - Honors Tutorial in Religion

Open to majors only. Individual research and writing on topic in religion under supervision of Religion Honors Committee. REL 49000 or one topic offered under REL 45000 satisfies the course requirements for departmental honors.
prereq: perm chair
hrs TBA 3-6 cr.

Related Courses

AFPRL 14100 - Puerto Rican Folklore

GER 2/C PD/A or B
Study of Puerto Rican folklore: traditional beliefs, legends, religious rites and typical music.
3 hrs 3 cr.

AFPRL 22200 - African Civilization

GER 2/C PD/A
Introduction to study of African civilization.
3 hrs 3 cr.

CHIN 11100 - Chinese Culture I
GER 2/C PD/A
Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English.
3 hrs 3 cr.

CHIN 11200 - Chinese Culture II

GER 2/C PD/A
Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.
3 hrs 3 cr.

CLA 10100 - Classical Mythology

GER 2/C PD/D
Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and theories.
3 hrs 3 cr.

CLA 30200 - Comparative Backgrounds of Classical Mythology (W)

GER 3/A PD/D
Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hittite, Ugaritic, and Celtic myths.
prereq: ENGL 12000; CLA 10100
3 hrs 3 cr.

HEBR 21400 - Maimonides' Guide to the Perplexed

GER 3/A PD/D
Study of this work in English with reference to Maimonides' influence on development of medieval Aristotelianism.
3 hrs 3 cr

HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)

GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.
3 hrs 3 cr

HEBR 28400 - Images of Women in the Old Testament, in Translation

GER 3/A PD/C
Depiction of women in ancient Israelite prose and poetry. Close reading and analysis of texts in terms of literary techniques, cultural background and ideological implications.
3 hrs 3 cr.

HEBR 28800 - Ancient Hebraic Folklore

GER 2/C PD/A
Analysis and comparative study of folk beliefs, practices and literature reflected in Hebrew Bible, apocryphal literature and rabbinic Aggada.
3 hrs 3 cr.
**HEBR 29000 - Biblical Archaeology**

GER 2/C PD/A
Study of Biblical sources in translation in relation to major archaeological discoveries in Israel and Near East.

*3 hrs 3 cr*

**HEBR 29500 - Ancient Hebrew Law**

GER 2/C PD/A
Historical and comparative study of Biblical and rabbinic law.

*3 hrs 3 cr*

**HEBR 29600 - The Dead Sea Scrolls in English**

GER 3/A PD/A
Readings in the various genres of the scrolls; historical background of Qumran sect; significance of the scrolls for study of Judaism and Christianity.

*3 hrs 3 cr*

**ANTHC 30600 - Folklore and Myth**

GER 3/B
Cultural and psychological functions and symbolic meanings.

*3 hrs 3 credits*

**Minor in Religion**

The Minor in Religion consists of four courses for a total of 12 credits.

The following two courses are required:

**REL 11000 - Nature of Religion (W)**

GER 2/C
Study of basic facets of religion: God, ethics, worship, faith, myth, ritual, symbolism, etc.

*3 hrs 3 cr.*

**REL 11100 - Approaches to Religion (W)**

GER 2/C
Different understandings of religion: sociological, anthropological, psychological, philosophical, theological.

*prereq: ENGL 12000
3 hrs 3 cr.*

Also required for the Minor in Religion:

a) one course to be chosen from those listed under the category “Religious Traditions”; and

b) one course from the category “Issues in Religion” reflecting a theme central to the religious tradition in which the student has chosen to focus, to be selected in consultation with a Religion Program adviser.
At least one course presented in satisfaction of the minor must be a 300-level course.

**Religion: Introduction to the Field of Religion**

**REL 11000 - Nature of Religion (W)**

GER 2/C  
Study of basic facets of religion: God, ethics, worship, faith, myth, ritual, symbolism, etc.  
3 hrs3 cr.

**REL 11100 - Approaches to Religion (W)**

GER 2/C  
Different understandings of religion: sociological, anthropological, psychological, philosophical, theological.  
*prereq: ENGL 12000*  
3 hrs3 cr.

**Religion: Theoretical Studies in Religion**

**ANTHC 30700 - Anthropology of Religion**

GER 3/B PD/A  
Emphasis on non-Western societies; theories of religion, magic; functions and symbolic meaning.  
3 hrs3 cr.

**REL 26000 - Special Topics: Theoretical Studies in Religion**

Specialized study of a methodological approach to the study of religion. Different topic each time offered.  
3 hrs3 cr.

**REL 27000 - Religion and Psychology (W)**

GER 2/C PD/D  
An examination of ways in which psychology understands, describes, values (or devalues) religion using the media of text, story and film.  
*prereq: ENGL 12000*  
3 hrs3 cr.

**REL 36000 - Special Topics: Theoretical Studies in Religion**

GER 3/A  
Specialized study of a methodological approach to study of religion. Different topic each time offered.  
3 hrs3 cr.

**REL 39000 - Modern Theories in Religion (W)**

GER 3/A PD/D  
An advanced methodology course surveying key issues and main approaches under discussion in the current study of religion when standard methods of interpretation are being subjected to exhaustive critique and revision and new
theories are being proposed.

prereq: ENGL 12000, REL 11100 or equiv; at least one other course in religion or a theoretical course offered by participating department, such as ANTHC 30700, PHILO 26200 or SOC 20500; perm instr.
3 hrs 3 cr.

Religion: Issues in Religion

REL 20400 - Religious Experience (W)

GER 2/C PD/D
Cross-cultural analysis of religious experiences: Biblical, ancient Greek, Asian, modern Western.
prereq: ENGL 12000
3 hrs 3 cr.

REL 20500 - Faith and Disbelief (W)

GER 2/C PD/D
Examination of questions of faith and disbelief in modern Western thought.
prereq: ENGL 12000
3 hrs 3 cr.

REL 20600 - Ideas of God in Contemporary Western Thought (W)

GER 2/C PD/D
Survey of representative schools of current Western religious thought: Christian theism, metaphysical protest, process theology, feminist theology, liberation theology, beyond theism thought.
prereq: ENGL 12000
3 hrs 3 cr.

REL 20700 - Religious Sources for Morality (W)

GER 2/C PD/D
Religious reasons for determining good and evil; religious sources for ethical decisions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 20800 - Religion and Social Justice (W)

GER 2/B PD/D
An exploration into religious perspectives on such social issues as war, race, the economy and gender relations.
prereq: ENGL 12000
3 hrs 3 cr.

REL 26100 - Special Topics: Issues in Religion

Study of particular religious topics or thinkers. Different subject each time offered.
3 hrs 3 cr.

REL 30700 - Religious Ideas in Modern Literature (W)
GER 3/A PD/D
Exploration of religious themes in modern literature.
prereq: ENGL 12000
3 hrs 3 cr.

REL 30800 - Religion and the Arts (W)

GER 3/A PD/D
Examination of religious themes in art, music, theatre, cinema, or literature. Different topics each time offered.
prereq: ENGL 12000
3 hrs 3 cr.

REL 30900 - The Religious Meaning of Love and Sex (W)

GER 3/A PD/D
Interdisciplinary investigation of the major ways humankind has understood the relation between the sexually erotic and religious realities.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31000 - The Religious Meaning of Death (W)

GER 3/A PD/D
Consideration of the meaning of death in major world religions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31100 - Women and Religion (W)

GER 3/A PD/C
An examination of the role of women and the concept of the feminine in world religions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31200 - Religion and Politics (W)

GER 3/A PD/D
The role of political ideology in the shaping of religious belief and theology's influence on politics in Western and non-Western traditions, both conservative and radical.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31300 - Spirit and Nature (W)

GER 3/A PD/D
An exploration of the ideas of nature and animal life in a representative sampling of the religious traditions of the world, inquiring into the implications for environmental policy and the treatment of animals.
prereq: ENGL 12000
3 hrs 3 cr.
**REL 31500 - The Problem of Evil (W)**

GER 3/A PD/D  
Exploration of the religious meaning of evil in different cultures.  
*prereq: ENGL 12000*  
3 hrs 3 cr.

**REL 33400 - Mysticism (W)**

GER 3/A PD/D  
Cross-cultural exploration of mystical experience and mystical doctrines, as well as an exploration of the various methods of studying them.  
*prereq: ENGL 12000*  
3 hrs 3 cr.

**REL 33500 - Myth and Ritual (W)**

GER 3/A PD/D  
Cross-cultural exploration of myth and ritual and their place in various cultures; methodologies for analysis.  
*prereq: ENGL 12000*  
3 hrs 3 cr.

**REL 34000 - Homosexuality in World Religions (W)**

GER 3/A PD/C  
A survey and analysis of typical ways in which homosexuality has been understood, evaluated and in some cases institutionalized in a variety of religious traditions, attending especially to implicit constructions of gender.  
*prereq: ENGL 12000*  
3 hrs 3 cr.

**REL 36100 - Special Topics: Issues in Religion**

GER 3/A  
Study of particular religious topics or thinkers. Different subject each time offered.  
3 hrs 3 cr.

**Religion: Religious Traditions**

**REL 25100 - Eastern Religions (W)**

GER 2/C PD/A  
Study of Hinduism, Buddhism, Jainism, Taoism and Confucianism.  
*prereq: ENGL 12000*  
3 hrs 3 cr.

**REL 25200 - Ancient Near Eastern Religions (W)**

GER 2/C PD/A  
Study of Egyptian religion, religions of Sumer and Babylonia, religion of the early Hebrews (including the Old
REL 25300 - Western Religions (W)

GER 2/C PD/D
Survey of major Western religions – Christianity, Judaism, Zoroastrianism and Islam.
prereq: ENGL 12000
3 hrs 3 cr.

REL 25400 - Tribal Religions: From Australia to the Americas (W)

GER 2/C PD/A or B
Study of indigenous religions of Pacific Islanders and North American Indians.
prereq: ENGL 12000
3 hrs 3 cr.

REL 25500 - Religions of Two Gods (W)

GER 2/C PD/A
A survey of historical varieties of dualistic religion both classical and modern which inquires into the moral grounds for their recurring appeal.
prereq: ENGL 12000
3 hrs 3 cr.

REL 25600 - Afro-Caribbean Religions (W)

GER 2/C PD/B
An introduction to the diversity of African-based religions in the Caribbean and beyond.
prereq: ENGL 12000
3 hrs 3 cr.

REL 26200 - Special Topics: Religious Traditions

Specialized study of specific religious traditions or groups of traditions. Different topic each time offered.
3 hrs 3 cr.

REL 32000 - Hinduism (W)

GER 3/A PD/A
Study of Hinduism, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs 3 cr.

REL 32100 - Buddhism (W)

GER 3/A PD/A
Study of Buddhism, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs3 cr.

REL 32200 - Islam (W)

GER 3/A PD/A
Study of Islam, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs3 cr.

REL 32300 - Christianity (W)

GER 3/A PD/D
Analysis of the Christian religion which employs methodologies of the academic study of religion and which aims to uncover the unity of Christian faith embodied in its various expressions.
prereq: ENGL 12000
3 hrs3 cr.

REL 32400 - Islam and Buddhism (W)

GER 3/A PD/A
Study of Islam and Buddhism, their founders, development, beliefs, rituals and interaction.
prereq: ENGL 12000
3 hrs3 cr.

REL 33000 - New Testament Religion (W)

GER 3/A PD/D
prereq: ENGL 12000
3 hrs3 cr.

REL 33300 - Christian Theology (W)

GER 3/A PD/D
An examination of key doctrines in Christian thought such as trinity, incarnation, existence of God and grace.
prereq: ENGL 12000
3 hrs3 cr.

REL 33600 - Zen (W)

GER 3/A PD/A
An inquiry into the teachings of Chinese and Japanese Zen in light of their Buddhist and Daoist backgrounds.
prereq: ENGL 12000
3 hrs3 cr.

REL 33700 - Sufism (W)
GER 3/A PD/A
A course on the esoteric or mystical dimension of Islam, known among Muslims as ta'/awwuf, attending to the history, doctrine and metaphysics of the Sufi path.

prereq: ENGL 12000
3 hrs3 cr.

REL 36200 - Special Topics: Religious Traditions

GER 3/A
Specialized study of specific religious tradition or groups of traditions. Different topic each time offered.
3 hrs3 cr.

REL 41000 - Independent Study in Religion

Open to majors only. Individual research and writing on topic in religion under supervision of a religion professor.

prereq: perm chair
hrs TBA1-6 cr.

REL 45000 - Honors Seminar in Religion

Specialized study in religion. For religion majors or other advanced religion students. Different topic each time offered. May be taken a second or third time with another subject. One topic offered under REL 45000 or 49000 satisfies the course requirements for departmental honors.

prereq: five courses in religion or a major/CUNY-BA focus in religion and perm instr. or program director
3 hrs3 cr.

REL 49000 - Honors Tutorial in Religion

Open to majors only. Individual research and writing on topic in religion under supervision of Religion Honors Committee. REL 49000 or one topic offered under REL 45000 satisfies the course requirements for departmental honors.

prereq: perm chair
hrs TBA3-6 cr.

Program in Religion

Religion - BA

Return to: Religion Program Information

Major (24 cr)

At least 18 credits are to be taken from Courses in Religion categories I-IV:

I. Introduction to the field of religion;

II. Theoretical studies in religion;
III. Issues in religion;

IV. Religious traditions.

Both introductory courses (REL 11000, REL 11100) must be taken and followed by at least one course in theoretical studies, one in religious issues and one in religious traditions;

V. Related courses. No more than two courses from this category may be applied toward the major. On becoming a major the student, in consultation with the director, will select one member of the program in Religion staff as his or her major adviser. Each religion major is required to consult with this adviser at least twice a year.

Religion Program Courses

Introduction to the Field of Religion

**REL 11000 - Nature of Religion (W)**

GER 2/C
Study of basic facets of religion: God, ethics, worship, faith, myth, ritual, symbolism, etc.
3 hrs 3 cr.

**REL 11100 - Approaches to Religion (W)**

GER 2/C
Different understandings of religion: sociological, anthropological, psychological, philosophical, theological.
prereq: ENGL 12000
3 hrs 3 cr.

Theoretical Studies in Religion

**ANTHC 30700 - Anthropology of Religion**

GER 3/B PD/A
Emphasis on non-Western societies; theories of religion, magic; functions and symbolic meaning.
3 hrs 3 cr.

**PHILO 26200 - Philosophy of Religion (W)**

GER 3/A
Philosophical examination of some religious questions and beliefs.
prereq: one course in philosophy or religion (see statement under Program Prerequisites)
3 hrs 3 cr.

**REL 27000 - Religion and Psychology (W)**

GER 2/C PD/D
An examination of ways in which psychology understands, describes, values (or devalues) religion using the media of text, story and film.
prereq: ENGL 12000
3 hrs 3 cr.
**SOC 20500 - Religion**

**GER 3/B**
Comparative study of religion in human societies. Analysis of beliefs, myths and sacred attitudes.
*prereq: SOC 10100*
3 hrs3 cr.

**REL 39000 - Modern Theories in Religion (W)**

**GER 3/A PD/D**
An advanced methodology course surveying key issues and main approaches under discussion in the current study of religion when standard methods of interpretation are being subjected to exhaustive critique and revision and new theories are being proposed.
*prereq: ENGL 12000, REL 11100 or equiv; at least one other course in religion or a theoretical course offered by participating department, such as ANTHC 30700, PHILO 26200 or SOC 20500; perm instr.*
3 hrs3 cr.

**REL 26000 - Special Topics: Theoretical Studies in Religion**

Specialized study of a methodological approach to the study of religion. Different topic each time offered.
3 hrs3 cr.

**REL 36000 - Special Topics: Theoretical Studies in Religion**

**GER 3/A**
Specialized study of a methodological approach to study of religion. Different topic each time offered.
3 hrs3 cr.

**Issues in Religion**

**REL 20400 - Religious Experience (W)**

**GER 2/C PD/D**
Cross-cultural analysis of religious experiences: Biblical, ancient Greek, Asian, modern Western.
*prereq: ENGL 12000*
3 hrs3 cr.

**REL 20500 - Faith and Disbelief (W)**

**GER 2/C PD/D**
Examination of questions of faith and disbelief in modern Western thought.
*prereq: ENGL 12000*
3 hrs3 cr.

**REL 20600 - Ideas of God in Contemporary Western Thought (W)**

**GER 2/C PD/D**
Survey of representative schools of current Western religious thought: Christian theism, metaphysical protest, process theology, feminist theology, liberation theology, beyond theism thought.
prereq: ENGL 12000
3 hrs 3 cr.

REL 20700 - Religious Sources for Morality (W)

GER 2/C PD/D
Religious reasons for determining good and evil; religious sources for ethical decisions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 20800 - Religion and Social Justice (W)

GER 2/B PD/D
An exploration into religious perspectives on such social issues as war, race, the economy and gender relations.
prereq: ENGL 12000
3 hrs 3 cr.

REL 30700 - Religious Ideas in Modern Literature (W)

GER 3/A PD/D
Exploration of religious themes in modern literature.
prereq: ENGL 12000
3 hrs 3 cr.

REL 30800 - Religion and the Arts (W)

GER 3/A PD/D
Examination of religious themes in art, music, theatre, cinema, or literature. Different topics each time offered.
prereq: ENGL 12000
3 hrs 3 cr.

REL 30900 - The Religious Meaning of Love and Sex (W)

GER 3/A PD/D
Interdisciplinary investigation of the major ways humankind has understood the relation between the sexually erotic and religious realities.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31000 - The Religious Meaning of Death (W)

GER 3/A PD/D
Consideration of the meaning of death in major world religions.
prereq: ENGL 12000
3 hrs 3 cr.

REL 31100 - Women and Religion (W)

GER 3/A PD/C
An examination of the role of women and the concept of the feminine in world religions.
REL 31200 - Religion and Politics (W)
GER 3/A PD/D
The role of political ideology in the shaping of religious belief and theology's influence on politics in Western and non-Western traditions, both conservative and radical.
prereq: ENGL 12000
3 hrs3 cr.

REL 31300 - Spirit and Nature (W)
GER 3/A PD/D
An exploration of the ideas of nature and animal life in a representative sampling of the religious traditions of the world, inquiring into the implications for environmental policy and the treatment of animals.
prereq: ENGL 12000
3 hrs3 cr.

REL 31500 - The Problem of Evil (W)
GER 3/A PD/D
Exploration of the religious meaning of evil in different cultures.
prereq: ENGL 12000
3 hrs3 cr.

REL 33400 - Mysticism (W)
GER 3/A PD/D
Cross-cultural exploration of mystical experience and mystical doctrines, as well as an exploration of the various methods of studying them.
prereq: ENGL 12000
3 hrs3 cr.

REL 33500 - Myth and Ritual (W)
GER 3/A PD/D
Cross-cultural exploration of myth and ritual and their place in various cultures; methodologies for analysis.
prereq: ENGL 12000
3 hrs3 cr.

REL 34000 - Homosexuality in World Religions (W)
GER 3/A PD/C
A survey and analysis of typical ways in which homosexuality has been understood, evaluated and in some cases institutionalized in a variety of religious traditions, attending especially to implicit constructions of gender.
prereq: ENGL 12000
3 hrs3 cr.

REL 26100 - Special Topics: Issues in Religion
Study of particular religious topics or thinkers. Different subject each time offered.
3 hrs 3 cr.

**REL 36100 - Special Topics: Issues in Religion**

GER 3/A
Study of particular religious topics or thinkers. Different subject each time offered.
3 hrs 3 cr.

**Religious Traditions**

**Eastern Religions**

**REL 25100 - Eastern Religions (W)**

GER 2/C PD/A
Study of Hinduism, Buddhism, Jainism, Taoism and Confucianism.
prereq: ENGL 12000
3 hrs 3 cr.

**REL 32000 - Hinduism (W)**

GER 3/A PD/A
Study of Hinduism, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs 3 cr.

**REL 32100 - Buddhism (W)**

GER 3/A PD/A
Study of Buddhism, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs 3 cr.

**REL 33600 - Zen (W)**

GER 3/A PD/A
An inquiry into the teachings of Chinese and Japanese Zen in light of their Buddhist and Daoist backgrounds.
prereq: ENGL 12000
3 hrs 3 cr.

**PHILO 21900 - Asian Philosophies**

GER 3/A PD/A
Readings from classics of Indian, Chinese and Japanese philosophy drawn from traditions of Buddhism, Hinduism, Taoism and Confucianism.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.
African and Afro-American Religions

**REL 25600 - Afro-Caribbean Religions (W)**

GER 2/C PD/B
An introduction to the diversity of African-based religions in the Caribbean and beyond.
*prereq: ENGL 12000
3 hrs 3 cr.*

**AFPRL 22000 - African Spirituality in the Diaspora**

GER 2/C PD/A or B
The nature and expressions of the spiritual ethos enabling the survival of classical African human values in dehumanizing circumstances during and after enslavement in North America, South America and the Caribbean.
*3 hrs 3 cr.*

**AFPRL 32200 - African World View: Philosophy and Symbolic Thought (W)**

GER 3/A PD/A
Examination of African religious systems, metaphysical conceptions and philosophy.
*prereq: AFPRL 22000 or perm instr.
3 hrs 3 cr.*
*offered every other sem.*

**AFPRL 32300 - Islam and Christianity in Africa (W)**

GER 3/A
Examination of relationship of Islam and Christianity to primary African religion and their political role in African history.
*prereq: AFPRL 201 or 202 or 222 or perm instr.
3 hrs 3 cr.*

**AFPRL 36200 - Puerto Rican and Caribbean Religious Practices (W)**

GER 3/A PD/A or B
Reading knowledge of Spanish suggested. Analysis of roots of folk religion in Indian, African and Spanish cultures. Religious syncretisms, popular imagery and ritual practices.
*prereq: AFPRL 14100 or 24300
3 hrs 3 cr.*

**AFPRL 42000 - The Black Church and Social Change**

GER 3/B
In-depth study of the sociopolitical role of Black church in political struggle of Black people with special emphasis on America.
*prereq: AFPRL 20300 or 20400 or 20500 or perm instr.
3 hrs 3 cr.*

Western Religions
REL 25200 - Ancient Near Eastern Religions (W)

GER 2/C PD/A
Study of Egyptian religion, religions of Sumer and Babylonia, religion of the early Hebrews (including the Old Testament).

prereq: ENGL 12000
3 hrs 3 cr.

REL 25300 - Western Religions (W)

GER 2/C PD/D
Survey of major Western religions – Christianity, Judaism, Zoroastrianism and Islam.

prereq: ENGL 1200
3 hrs 3 cr.

REL 25500 - Religions of Two Gods (W)

GER 2/C PD/A
A survey of historical varieties of dualistic religion both classical and modern which inquires into the moral grounds for their recurring appeal.

prereq: ENGL 12000
3 hrs 3 cr.

HEBR 24000 - Introduction to the Old Testament

GER 2/C PD/A
Survey of the books of the Old Testament, their form, content and cultural background. Introduction to the tools and methods of modern biblical criticism.

3 hrs 3 cr

HEBR 25900 - Old Testament Religion

GER 2/C PD/A
Comprehensive survey of ancient Israelite religious practice, expression and thought as reflected in Hebrew Bible.

3 hrs 3 cr

HEBR 28600 - Ancient Near Eastern Literature and the Bible

GER 3/A PD/A
Comparative study of ancient Near Eastern literature and the Hebrew Bible.

3 hrs 3 cr

HEBR 29200 - The Hebrew Prophets

GER 2/C PD/A
Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical and religious thought.

3 hrs 3 cr

HEBR 29400 - Job, Ecclesiastes and the Human Predicament
GER 3/A PD/A
Study of form, content and religious significance of these two enigmatic masterworks.
3 hrs3 cr

HIST 21000 - History of Judaism

GER 2/B
Survey of the Jewish religious tradition with attention to interactions between Judaism and other religions and to the role of Judaism in the formation of Christianity and Islam.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 30900 - Jewish History in the Ancient World

GER 3/B PD/A
The Jewish people from its origins in late antiquity; social and intellectual developments from biblical to Talmudic times.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 31000 - Jewish History in the Medieval and Early Modern Periods

GER 3/B PD/D
The Jewish people from late antiquity to 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 32000 - Jewish History in the Modern World (W)

GER 3/B PD/D
From the 18th century to the present: Enlightenment, Jewish emancipation and nationalism, a Jewish state; anti-Semitism and the Holocaust; recent trends.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

CLA 30300 - Religion of Ancient Greece (W)

GER 3/A
The Ancient Greek religious experience: official rites, mystery cults, oracles, personal religious belief, and practice.
prereq: ENGL 12000, CLA 10100 or 20100
3 hrs3 cr.

CLA 30400 - Pagans and Christians (W)

GER 3/A PD/D
Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.
REL 33000 - New Testament Religion (W)

GER 3/A PD/D

prereq: ENGL 12000
3 hrs3 cr.

REL 32300 - Christianity (W)

GER 3/A PD/D
Analysis of the Christian religion which employs methodologies of the academic study of religion and which aims to uncover the unity of Christian faith embodied in its various expressions.

prereq: ENGL 12000
3 hrs3 cr.

REL 33300 - Christian Theology (W)

GER 3/A PD/D
An examination of key doctrines in Christian thought such as trinity, incarnation, existence of God and grace.

prereq: ENGL 12000
3 hrs3 cr.

HIST 31400 - Ancient and Medieval Christianity (W)

GER 3/B PD/D
The development of Christianity from Jesus to Luther; theology and mysticism, lay and monastic spirituality; the papacy and dissidents; gender and sexuality; relations with Judaism and Islam.

Courses at the 300-level and above not offered to freshmen.

prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 31500 - Christianity in Modern Times

GER 3/B
Not offered to freshmen. Transformation of Christianity since the Reformation, Enlightenment and modern political and intellectual challenges.

3 hrs3 cr.

HIST 31600 - History of Religion in the United States

GER 3/B
Changing European churches and indigenous American sects; their architecture, leaders and ideas.

Courses at the 300-level and above not offered to freshmen.

3 hrs3 cr.

REL 32200 - Islam (W)

GER 3/A PD/A
Study of Islam, its development, history, literature, philosophy and religious practices.
prereq: ENGL 12000
3 hrs3 cr.

REL 32400 - Islam and Buddhism (W)

GER 3/A PD/A
Study of Islam and Buddhism, their founders, development, beliefs, rituals and interaction.
prereq: ENGL 12000
3 hrs3 cr.

REL 33700 - Sufism (W)

GER 3/A PD/A
A course on the esoteric or mystical dimension of Islam, known among Muslims as ta'awwuf, attending to the history, doctrine and metaphysics of the Sufi path.
prereq: ENGL 12000
3 hrs3 cr.

Tribal Religions

REL 25400 - Tribal Religions: From Australia to the Americas (W)

GER 2/C PD/A or B
Study of indigenous religions of Pacific Islanders and North American Indians.
prereq: ENGL 12000
3 hrs3 cr.

Special Topics in Traditions

REL 26200 - Special Topics: Religious Traditions

Specialized study of specific religious traditions or groups of traditions. Different topic each time offered.
3 hrs3 cr.

REL 36200 - Special Topics: Religious Traditions

GER 3/A
Specialized study of specific religious tradition or groups of traditions. Different topic each time offered.
3 hrs3 cr.

Independent Study

REL 41000 - Independent Study in Religion

Open to majors only. Individual research and writing on topic in religion under supervision of a religion professor.
prereq: perm chair
hrs TBA1-6 cr.

Honors
To qualify for departmental honors, a student must take either of the following completing either with a grade of B or above and achieving a final GPA in religion major courses of at least 3.5 and a final cumulative GPA of at least 3.0.

**REL 45000 - Honors Seminar in Religion**

Specialized study in religion. For religion majors or other advanced religion students. Different topic each time offered. May be taken a second or third time with another subject. One topic offered under REL 45000 or 49000 satisfies the course requirements for departmental honors.

*prereq: five courses in religion or a major/CUNY-BA focus in religion and perm instr. or program director

3 hrs3 cr.

**REL 49000 - Honors Tutorial in Religion**

Open to majors only. Individual research and writing on topic in religion under supervision of Religion Honors Committee. REL 49000 or one topic offered under REL 45000 satisfies the course requirements for departmental honors.

*prereq: perm chair

hrs TBA3-6 cr.

**Related Courses**

**AFPRL 14100 - Puerto Rican Folklore**

GER 2/C PD/A or B
Study of Puerto Rican folklore: traditional beliefs, legends, religious rites and typical music.

3 hrs3 cr.

**AFPRL 22200 - African Civilization**

GER 2/C PD/A
Introduction to study of African civilization.

3 hrs3 cr.

**CHIN 11100 - Chinese Culture I**

GER 2/C PD/A
Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English.

3 hrs3 cr.

**CHIN 11200 - Chinese Culture II**

GER 2/C PD/A
Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.

3 hrs3 cr.

**CLA 10100 - Classical Mythology**

GER 2/C PD/D
Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and
theories.
3 hrs3 cr.

CLA 30200 - Comparative Backgrounds of Classical Mythology (W)

GER 3/A PD/D
Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hittite, Ugaritic, and Celtic myths.
prereq: ENGL 12000; CLA 10100
3 hrs3 cr.

HEBR 21400 - Maimonides' Guide to the Perplexed

GER 3/A PD/D
Study of this work in English with reference to Maimonides' influence on development of medieval Aristotelianism.
3 hrs3 cr

HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)

GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.
3 hrs3 cr

HEBR 28400 - Images of Women in the Old Testament, in Translation

GER 3/A PD/C
Depiction of women in ancient Israelite prose and poetry. Close reading and analysis of texts in terms of literary techniques, cultural background and ideological implications.
3 hrs3 cr.

HEBR 28800 - Ancient Hebraic Folklore

GER 2/C PD/A
Analysis and comparative study of folk beliefs, practices and literature reflected in Hebrew Bible, apocyphal literature and rabbinic Aggada.
3 hrs3 cr

HEBR 29000 - Biblical Archaeology

GER 2/C PD/A
Study of Biblical sources in translation in relation to major archaeological discoveries in Israel and Near East.
3 hrs3 cr

HEBR 29500 - Ancient Hebrew Law

GER 2/C PD/A
Historical and comparative study of Biblical and rabbinic law.
3 hrs3 cr

HEBR 29600 - The Dead Sea Scrolls in English
GER 3/A PD/A
Readings in the various genres of the scrolls; historical background of Qumran sect; significance of the scrolls for study of Judaism and Christianity.
3 hrs 3 cr

ANTHC 30600 - Folklore and Myth

GER 3/B
Cultural and psychological functions and symbolic meanings.
3 hours 3 credits

Minor in Religion

The Minor in Religion consists of four courses for a total of 12 credits.

The following two courses are required:

REL 11000 - Nature of Religion (W)

GER 2/C
Study of basic facets of religion: God, ethics, worship, faith, myth, ritual, symbolism, etc.
3 hrs 3 cr.

REL 11100 - Approaches to Religion (W)

GER 2/C
Different understandings of religion: sociological, anthropological, psychological, philosophical, theological.
prereq: ENGL 12000
3 hrs 3 cr.

Also required for the Minor in Religion:

a) one course to be chosen from those listed under the category “Religious Traditions”; and

b) one course from the category “Issues in Religion” reflecting a theme central to the religious tradition in which the student has chosen to focus, to be selected in consultation with a Religion Program adviser.

At least one course presented in satisfaction of the minor must be a 300-level course.

Programs and Courses in Africana and Puerto Rican/Latino Studies

Africana and Puerto Rican/Latino Studies

About the Department

The Department of Africana and Puerto Rican/Latino Studies is comprised of Africana and Puerto Rican/Latino sequences. It offers an inter-disciplinary course of study combining humanities and social sciences approaches in the
School of Arts and Sciences. The curriculum is devoted to the history and cultures of these two heritages. The Africana sequence focuses on the experiences of African people on the continent and those in the diaspora. The Puerto Rican/Latino sequence addresses issues related to Puerto Ricans, Dominicans and Cubans in the Islands as well as the experiences of Latinos in the U.S. Where applicable, the similarities and common experiences of the sequences are emphasized.

Because of the department’s emphasis on intellectual, analytical and research development, the student with a background in Africana and Puerto Rican/Latino Studies is well prepared to enter the job market or to pursue graduate or professional study. Education, law, journalism, social work, urban planning, public health, medicine, nursing, business, politics, international affairs and government are some of the fields in which students can utilize a background in Africana and Puerto Rican/Latino Studies. Generally, occupations in the public sector, central cities and urban institutions, as well as jobs involving intergroup and intercultural relations, also benefit from such a background.

**Programs and Courses**

Programs and Courses in Africana and Puerto Rican/Latino Studies

**Administration and Faculty**

**Department Office:**

1711 Hunter West  
(212) 772-5035  
Web site: [http://www.hunter.cuny.edu/afprl](http://www.hunter.cuny.edu/afprl)

**Chair:**  
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eiwerieb@hunter.cuny.edu

**Faculty**

Africana and Puerto Rican/Latino Studies Faculty

HEGIS Code: 2211

**Undergraduate Major**

**Africana and Puerto Rican/Latino Studies - BA**

Program of Study
Given the interdisciplinary organization of the department, students may elect to concentrate their program of study in the Africana sequence, Puerto Rican/Latino sequence or a combination of both with courses from social sciences and humanities offered by the department.

**Major**

The major consists of 30 credits. Courses to be taken are as follows:

6 credits from among

**AFPRL 20100 - African History from Human Origins to 1600 CE**

GER 2/B PD/A  
African history from ancient times with emphasis on endogenous African development of civilizations and complex economic, technological and cultural systems over time.  
*3 hrs3 cr.*

**AFPRL 20200 - African History Since 1600 CE**

GER 2/B PD/A  
Main currents of African history from 1600 CE to present  
*3 hrs3 cr.*

**AFPRL 20300 - African American History I**

GER 2/B PD/B  
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.  
*3 hrs3 cr.*

**AFPRL 20400 - African American History II**

GER 2/B PD/B  
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.  
*3 hrs3 cr.*

**AFPRL 20900 - Introduction to Caribbean History to 1900**

GER 2/B PD/A  
Introduction to the major themes in Caribbean history to 1900.  
*prereq: ENGL 12000 3 hrs3 cr.*

**AFPRL 21000 - Introduction to Caribbean History: 1900 - Present**

GER 2/B PD/A  
Introduction to the major themes in Caribbean history after 1900.  
*prereq: ENGL 12000 3 hrs3 cr.*
AFPRL 24200 - Puerto Rican History Since 1898

GER 2/B PD/A
Sociohistorical, political and economic analysis of Puerto Rico dating from the U.S. invasion to the present.
3 hrs 3 cr.

3 credits from

AFPRL 28100 - Fieldwork in African American/Latino Communities

Fieldwork involvement and sociopolitical analysis of a community organization in the Black and/or Puerto Rican/Latino communities.
Course open to Majors and Minors Only
3 hrs 3 cr. each

21 credits

- Of which at least 12 must be taken at the 300 and/or 400 level. At least 3 credits must be taken in Puerto Rican/Latino studies if the student’s concentration is in Africana studies and vice versa.

Minor in Africana and Puerto Rican/Latino Studies

The Department of Africana & Puerto Rican/Latino Studies offers a 12-credit minor that requires students to successfully complete two 100/200 level courses and two 300/400 level courses.

Honors

The honors research course, AFPRL 49900, is open to AFPRL upper seniors who have a 3.5 GPA in the major with a 3.0 GPA overall and have completed at least 24 credits including three AFPRL 300/400 level courses. In order to receive an honors endorsement, a student must receive a final grade of at least B+. Students who do not meet the requirement for an honors endorsement but have passed the course, will receive three credits without honors. The research theme changes every academic year. The project is supervised by one full-time AFPRL faculty member but is read and graded by the supervisor and two additional AFPRL full-time faculty members.

Africana and Puerto Rican/Latino Studies

AFPRL 10000 - Introduction to Black Politics

General survey of politics of African world with major emphasis on politics in Black America.

GER 2/B PD/B
3 hrs 3 cr
**AFPRL 10100 - Introduction to Africana Studies**

Introduction to the history and culture of Africa and the African diaspora.

*GER 2/B PD/A or B*

**AFPRL 10200 - Latino Communities in the United States**

GER 2/B PD/B

Migration, ethnicity, community life and public policy issues of Latino groups compared to the Puerto Rican experience.

*3 hrs 3 cr.*

**AFPRL 10300 - Conquest and Resistance: Puerto Rican Experiences in Comparative Perspective**

GER 2/B PD/B

Introductory study of the Puerto Rican experience compared with experiences of Native and African Americans, Chicanos and Pacific Island peoples in the territorial expansion of the United States.

*3 hrs 3 cr.*

**AFPRL 14100 - Puerto Rican Folklore**

GER 2/C PD/A or B

Study of Puerto Rican folklore: traditional beliefs, legends, religious rites and typical music.

*3 hrs 3 cr.*

**AFPRL 14300 - The Image of the Puerto Rican National Identity in Its Literature**

PD/A

Analysis of literary works of Puerto Rican authors and their images of Puerto Rican society.

*prereq: ENGL 12000 and reading knowledge of Spanish*

*3 hrs 3 cr.*

*offered fall only*

**AFPRL 20100 - African History from Human Origins to 1600 CE**

GER 2/B PD/A

African history from ancient times with emphasis on endogenous African development of civilizations and complex economic, technological and cultural systems over time.

*3 hrs 3 cr.*

**AFPRL 20200 - African History Since 1600 CE**

GER 2/B PD/A

Main currents of African history from 1600 CE to present

*3 hrs 3 cr.*
AFPRL 20300 - African American History I

GER 2/B PD/B
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.
3 hrs 3 cr.

AFPRL 20400 - African American History II

GER 2/B PD/B
Survey of historical experiences of African people in U.S. from 16th century to end of Civil War.
3 hrs 3 cr.

AFPRL 20500 - African American Politics of Social Change

GER 2B PD/B
The Civil Rights Movement and social change in U.S. Since 1954.
3 hrs 3 cr.

AFPRL 20600 - African Political and Social Change

PD/A
Introductory study of political and social change in Africa during the second half of the 20th century.
3 hrs 3 cr.

AFPRL 20700 - African Caribbean Politics I

PD/A
Examines political economy of slavery and colonialism and responses of Caribbean people from 1492 to political independence.
3 hrs 3 cr.

AFPRL 20800 - African Caribbean Politics II

PD/A
Begins with attainment of political independence by major Caribbean countries; focuses on nation building.
prereq: AFPRL 20700
3 hrs 3 cr.

AFPRL 20900 - Introduction to Caribbean History to 1900

GER 2/B PD/A
Introduction to the major themes in Caribbean history to 1900.
prereq: ENGL 12000
3 hrs 3 cr.

AFPRL 21000 - Introduction to Caribbean History: 1900 - Present

GER 2/B PD/A
Introduction to the major themes in Caribbean history after 1900.
prereq: ENGL 12000
3 hrs3 cr.

**AFPRL 21100 - Black Economic History**

Survey of economic behavior of Black Americans since 1619, with African background.
3 hrs3 cr.

**AFPRL 22000 - African Spirituality in the Diaspora**

GER 2/C PD/A or B
The nature and expressions of the spiritual ethos enabling the survival of classical African human values in dehumanizing circumstances during and after enslavement in North America, South America and the Caribbean.
3 hrs3 cr.

**AFPRL 22200 - African Civilization**

GER 2/C PD/A
Introduction to study of African civilization.
3 hrs3 cr.

**AFPRL 23500 - African Literature (W)**

GER 2/A PD/A
Introduction to contemporary African literature originally written in English. The course is conducted in English; all course requirements are in English.
prereq: ENGL 12000
3 hrs3 cr.

**AFPRL 23600 - African American Literature (W)**

GER 2/A PD/B
Introduction to African American writing, from earliest expressions to present.
prereq: ENGL 12000
3 hrs3 cr.

**AFPRL 23700 - African Caribbean Literature (W)**

GER 2/A PD/A or B
Introduction to the historical development and major artistic preoccupations of Caribbean literature. The course is conducted in English; all course requirements are in English.
prereq: ENGL 12000
3 hrs3 cr.

**AFPRL 23800 - Introduction to the Literature of the African Diaspora (W)**

Introduction to a cross-section of texts that contribute to the creation and development of an African Diaspora literary tradition.
GER 2/A PD/A or B
prereq: ENGL 12000
3 hrs3 cr

**AFPRL 24100 - Puerto Rican History to 1897**

GER 2/B PD/A
An examination of Taino society, Spanish colonialism, slave economy and the development of nationhood in the 19th century.
3 hrs3 cr.

**AFPRL 24200 - Puerto Rican History Since 1898**

GER 2/B PD/A
Sociohistorical, political and economic analysis of Puerto Rico dating from the U.S. invasion to the present.
3 hrs3 cr.

**AFPRL 24300 - Puerto Rican Culture**

GER 2/C PD/A or B
General study of Puerto Rican culture and ethnic mixtures that went into making of that culture.
3 hrs3 cr.

**AFPRL 24400 - Puerto Ricans in the United States**

GER 2/B PD/B
Survey of the origins, contemporary and future development of Puerto Ricans in the United States.
3 hrs3 cr.

**AFPRL 24500 - Puerto Rican Literature I**

PD/A
Analysis of the emergence and development of the various literary genres which surfaced during the 19th century in the literature of Puerto Rico. Discussion and analysis of major 19th century Puerto Rican authors (Hostos, Tapia and Zeno Gandia).
prereq: SPAN 20200 or equiv. or perm instr.
3 hrs3 cr.

**AFPRL 24600 - Puerto Rican Literature II**

PD/A
Discussion and analysis of the literary and cultural evolution of Puerto Rico viewed through the works of key 20th century authors. Literary production from the 1960s onwards is emphasized.
prereq: SPAN 20200 or equiv. or perm instr.
3 hrs3 cr.

**AFPRL 24700 - Puerto Ricans in the U.S. as a Literary Theme**
Analysis of literary texts dealing with Puerto Rican communities in U.S. and their migration experiences.

**prereq:** ENGL 12000 and reading knowledge of Spanish

3 hrs 3 cr.

**AFPRL 25500 - Puerto Rican/Latino Children in North American Schools**

PD/B
Survey of educational system viewed as an acculturating institution.

3 hrs 3 cr.

**AFPRL 27000 - Economic History of Puerto Ricans**

Stages of change in economic structures and labor conditions among Puerto Ricans in Puerto Rico and the U.S.

**prereq:** AFPRL 24200 or 24400

3 hrs 3 cr.

**AFPRL 28100 - Fieldwork in African American/Latino Communities**

Fieldwork involvement and sociopolitical analysis of a community organization in the Black and/or Puerto Rican/Latino communities.

*Course open to Majors and Minors Only*

3 hrs 3 cr. each

**AFPRL 29000 - Selected Topics in Africana and Puerto Rican/Latino Studies**

PD/A or B
Topics change according to instructor.

3 hrs 3 cr.

**AFPRL 30400 - Leaders and Movements of Black Urban Communities (W)**

GER 3/B PD/B
Personilities and movements that have influenced Black communities of U.S.; focuses mainly on 20th century.

**prereq:** AFPRL 20300 or 20400 or 20500

3 hrs 3 cr.

**AFPRL 30600 - Modern African International Relations (W)**

GER 3/B PD/A
Factors affecting relations among African states and between African and non-African states within international system.

**prereq:** AFPRL 20600 or perm instr.

3 hrs 3 cr.

**AFPRL 30700 - Contemporary African Politics (W)**

GER 3/B
Study of post-independence nationalism, political systems, regional and inter-nation cooperation of African nations.

**prereq:** AFPRL 20600 or perm instr.

3 hrs 3 cr.
AFPRL 30800 - Contemporary International Relations of the African-Caribbean (W)

GER 3/B
Examination of the use of foreign policy for economic development in the Caribbean and as an instrument of transformation.
prereq: AFPRL 20700 or 21000 or perm instr.
3 hrs 3 cr.

AFPRL 30900 - African-Americans and Africa (W)

GER 3/B PD/A or B
Major evidence of Black American involvement and interest in Africa from 1775 to present.
prereq: AFPRL 20300 or 20400
3 hrs 3 cr.

AFPRL 31000 - Modern Nigeria (W)

GER 3/B
Detailed study of the historical development of modern Nigeria from the late 19th century to the present.
prereq: perm instr.
3 hrs 3 cr.

AFPRL 31300 - Slavery (W)

GER 3/B PD/A or B
Historical overview of slavery from Africa to the Americas.
prereq: AFPRL 20300 or 20900 or perm instr.
3 hrs 3 cr.

AFPRL 31800 - Women in Africa (W)

GER 3/B PD/C
Examination of African womanhood in traditional setting during colonialism and neo-colonialism, independence and revolution.
cross-listed WGS 31800 (A Writing-intensive Course)
prereq: AFPRL 20200 or 22200 or perm instr.
3 hrs 3 cr.

AFPRL 31900 - Women in the African Diaspora (W)

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance and in sustaining African culture and values.
cross-listed WGS 32900 (W)
prereq: AFPRL 20400 or 20900 or 21000 or perm instr.
3 hrs 3 cr.

AFPRL 32000 - African-Caribbean Culture (W)
GER 3/A PD/A or B
prereq: AFPRL 20900 or 21000 or 22200
3 hrs3 cr.

**AFPRL 32100 - Caribbean Migration and New York City (W)**

GER 3/B PD/A or B
An historical examination of the lives of Caribbean immigrants in New York City from the causes for emigration to the development of an ethnic community in the City.
prereq: ENGL 12000; AFPRL 20700, 20800, 20900, 21000, 30700 or 30800
3 hrs3 cr

**AFPRL 33600 - African-American Women Writers (W)**

GER 3/A PD/C
African-American female authors from slavery to present: novels, short stories, essays, plays, poetry, teenage fiction and children's books.
cross-listed WGS 33600 (W)
prereq: AFPRL 23600 or perm instr.
3 hrs3 cr.

**AFPRL 33700 - Caribbean Women Writers (W)**

GER 3/A
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, creolization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.
cross-listed WGS 33700 (W)
prereq: AFPRL 23600 or 23700 or ENGL 22000 or WGS 10000
3 hrs3 cr.

**AFPRL 34200 - Political Nationalism in Puerto Rico (W)**

GER 3/B PD/A
Nationalist ideology in Puerto Rico: its impact on contemporary political movements and economy.
prereq: AFPRL 24200 or perm instr.
3 hrs3 cr.

**AFPRL 35100 - Major Puerto Rican Figures (W)**

GER 3/B PD/A or B
Theorists, poets and statesmen in formation of Puerto Rican nationality.
prereq: AFPRL 14300 or 24200 or 24300
3 hrs3 cr.

**AFPRL 35200 - Power Structure in Puerto Rico (W)**
GER 3/B
Social analysis of class divisions, role of the economy and the United States presence in Puerto Rico.
prereq: AFPRL 24300 or 27000
3 hrs 3 cr.

AFPRL 35500 - The African Image in 19th and 20th century Spanish Antillean Poetry (W)

GER 3/A PD/A
The portrayal of the African image in Spanish Antillean poetry seen through the work and poetic trends of its major exponents.
prereq: AFPRL 14300 or SPAN 20800, reading knowledge of Spanish
3 hrs 3 cr.

AFPRL 35600 - Latino Literature in English (W)

GER 3/A PD/B
Latino writing in English in the U.S.; analysis of cultural, linguistic and ideological factors as found in the work of such authors as Sandra Cisneros (Chicana), Pedro Pietri (Puerto Rican) and Oscar Hijuelos (Cuban-American).
3 hrs 3 cr.

AFPRL 36000 - Politics in Puerto Rico (W)

GER 3/B
Analysis of the political status issue, development of political parties, national leadership and participation.
prereq: AFPRL 24200 or 34200 or perm instr.
3 hrs 3 cr.

AFPRL 36200 - Puerto Rican and Caribbean Religious Practices (W)

GER 3/A PD/A or B
Reading knowledge of Spanish suggested. Analysis of roots of folk religion in Indian, African and Spanish cultures. Religious syncretisms, popular imagery and ritual practices.
prereq: AFPRL 14100 or 24300
3 hrs 3 cr.

AFPRL 38400 - Poverty in Society (W)

GER 3/B
Causes and effects of deprivation, with emphasis on policy and program approaches for African Americans and Puerto Ricans/Latinos.
prereq: successful completion of any 2 AFPRL courses
3 hrs 3 cr.

AFPRL 38700 - Puerto Rican/Latino Politics in the United States (W)

GER 3/B PD/B
An analysis of the political participation and leadership of Puerto Ricans and other Latinos in the United States.
prereq: either AFPRL 10200, 24200 or 24400 or perm. Instr.
3 hrs 3 cr.
**AFPRL 39000 - Research Topics in Africana and Puerto Rican/Latino Studies (W)**

GER 3/A or B  
Topics change according to instructor.  
*Open to Jr/Sr only.*  
3 hrs 3 cr.

**AFPRL 42800 - Selected Topics in Africana and Puerto Rican/Latino Studies: Social Science**

GER 3/B PD/B  
Topics change according to instructor.  
*Pluralism and diversity requirements are dependent on the topic course.*  
prereq: perm dept.  
3 hrs 3 cr.

**AFPRL 42863 - Afro-Latino Culture and History**

GER 3/B PD/A  
3 hrs 3 cr.

**AFPRL 44500 - Caribbean Short Story in Spanish: Readings and Theories**

GER 3/A  
A critical study of the short story genre in the Hispanic Caribbean viewed in conjunction with contemporary literary theory.  
prereq or coreq: SPAN 20800  
3 hrs 3 cr.

**AFPRL 49900 - Honors**

Individual research and 30 page honors essay based on assigned theme under supervision of a full-time AFPRL faculty member.  
prereq: completion of 24 AFPRL credits including three 300/400 level courses; only open to AFPRL upper seniors with 3.5 major GPA and 3.0 cumulative GPA.  
3 hrs 3 cr.

**Africana and Puerto Rican/Latino Studies: Courses Less Frequently Offered**

**AFPRL 18100 - Language and Ethnic Identity**

**AFPRL 18200 - Culture and Ethnic Identity**

**AFPRL 24800 - Caribbean Spanish**
AFPRL 27600 - The Puerto Rican Family

AFPRL 31400 - Blacks in Labor and Politics (W)

GER 3/B
Black labor from emancipation to present. Emphasis on period between New Deal and present.
prereq: AFPRL 20400 or 20500 or perm instr.
3 hrs3 cr.

AFPRL 32200 - African World View: Philosophy and Symbolic Thought (W)

GER 3/A PD/A
Examination of African religious systems, metaphysical conceptions and philosophy.
prereq: AFPRL 22000 or perm instr.
3 hrs3 cr.
offered every other sem.

AFPRL 32300 - Islam and Christianity in Africa (W)

GER 3/A
Examination of relationship of Islam and Christianity to primary African religion and their political role in African history.
prereq: AFPRL 201 or 202 or 222 or perm instr.
3 hrs3 cr.

AFPRL 32400 - African-American Ethnohistory (W)

Ethnohistorical survey of development of Black culture in the diaspora; reinterpretation of African forms in Western European environment.
prereq: AFPRL 22000 or perm instr.
3 hrs3 cr.

AFPRL 33000 - Autobiography as a Theme in Black Literature (W)

GER 3/A
Treatment of autobiographical works of Black authors in U.S., Caribbean and Africa during 19th and 20th centuries.
prereq: AFPRL 23600 or perm instr
3 hrs3 cr.

AFPRL 37000 - Sociolinguistic Fieldwork in Black and Puerto Rican/Latino Speech Communities (W)

GER 3/B
Sociolinguistic theory applied to linguistic varieties spoken in African American, African- Caribbean, Puerto Rican and other Latino communities.
prereq: AFPRL 18100 or ANTHC 15100
3 hrs3 cr.

AFPRL 40100 - Pan-Africanism
GER 3/B
Seminar traces development of Pan-Africanism through the 20th century.
Not open to freshmen.
prereq: AFPRL 20200 or 20400 or 20600
3 hrs3 cr.

AFPRL 40200 - African American Political Thought

GER 3/B
Comparative theorists; methods and ideological currents.
prereq: AFPRL 20300 or 20400 or 20500
3 hrs3 cr.

AFPRL 40300 - Development Strategies in the African-Caribbean

GER 3/B
Analysis of developmental strategies used by Caribbean nations after independence.
prereq: AFPRL 20700 or 20800 or 20900 or 21000 or perm instr.
3 hrs3 cr.

AFPRL 42000 - The Black Church and Social Change

GER 3/B
In-depth study of the sociopolitical role of Black church in political struggle of Black people with special emphasis on America.
prereq: AFPRL 20300 or 20400 or 20500 or perm instr.
3 hrs3 cr.

AFPRL 44200 - History of Puerto Rican Labor Movements

GER 3/B
Historical development of Puerto Rican working class, its movements and organizations from 19th century to present.
prereq: AFPRL 24200 or 27000
3 hrs3 cr.

Swahili

SWA 10100 - Swahili I

Introduction to Swahili, pronunciation and elements of grammar.
Each credit for SWA 101 is not given until SWA 102 completed
3 hrs3 cr.

SWA 10200 - Swahili II

Introduction to Swahili, pronunciation and elements of grammar.
Each credit for SWA 10100 is not given until SWA 10200 completed
3 hrs3 cr.
SWA 20100 - Swahili III

Grammar review, composition oral practice.
prereq: SWA 10200 or demonstrated competence in speaking and writing
3 hrs3 cr.

SWA 20200 - Swahili IV

Review of morphology and syntax original composition, intensive oral practice.
prereq: SWA 20100 or demonstrated competence as a native speaker
3 hrs3 cr.

Yoruba

YOR 10100 - Yoruba I

Elementary Yoruba. Introduction to language and culture of Yoruba People of Nigeria.
Each credit for YOR 10100 is not given until YOR 10200 is completed
3 hrs3 cr. each

YOR 10200 - Yoruba II

Elementary Yoruba. Introduction to language and culture of Yoruba People of Nigeria.
Each credit for YOR 10100 is not given until YOR 10200 is completed
3 hrs3 cr. each

YOR 20100 - Yoruba III

Writing and reading of Yoruba language, including study of grammar and syntax.
prereq: YOR 10200 or demonstrated competence in speaking and writing
3 hrs3 cr.

YOR 20200 - Yoruba IV

Intensive writing and reading of Yoruba language and continuation of study of grammar and syntax.
prereq: YOR 20100 or demonstrated competence as a native speaker
3 hrs3 cr.

Programs and Courses in Anthropology

Anthropology

About the Department
Anthropology is the study of past and present peoples. Among the social sciences, anthropology is distinguished by its comparative approach to peoples and cultures. As a major in a liberal arts curriculum, it provides students with basic and advanced training in all four branches of the discipline: cultural anthropology (ethnology), archaeology, biological anthropology and anthropological linguistics. Major and minor programs are designed to prepare students for postgraduate activities, which include graduate studies, research and policy-related work. Students are also prepared for careers in teaching, social work and employment in museums, government and industry, both domestic and overseas. Many use anthropology as a prelaw or premedical degree. Hunter College also offers a master of arts degree in anthropology; a doctoral degree in anthropology is offered by The City University of New York, of which Hunter is a senior college member.

Programs and Courses

Programs and Courses in Anthropology

Administration and Faculty

Department Office:

722 North
(212) 772-5410
Web site:http://www.hunter.cuny.edu/anthropology/

Chair:

Marc Edelman
717 North
(212) 772-5410
E-mail:medelman@hunter.cuny.edu

Faculty

Anthropology Faculty

HEGIS Code: 2202

Undergraduate Major

Anthropology - BA

Major

The anthropology major is designed to give students an overview of the discipline, as well as training in all four fields of the subject (archaeology, cultural anthropology and ethnology, anthropological linguistics and biological anthropology). The anthropology major consists of 25 credits [see table below]. To declare a major in anthropology, the student must have completed at least one course in anthropology with a C grade or better. In order to graduate with a major in anthropology, students must earn a C grade or better in all required courses and electives counted toward the major (effective for students declaring the major after September 1, 2007)
Note: While ANTHC 10100 is a prerequisite for many courses in cultural anthropology, including some of the required courses, it is not itself included in the courses required for the major.

Major Requirements

Biological Anthropology: Human Evolution or Human Variation (4 cr.)

**ANTHP 10100 - Human Evolution**

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.

*6 hrs (3 hrs lec, 3 hrs lab)* 4 cr.
*offered every sem.*

**ANTHP 10200 - Human Variation**

GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.

*6 hrs (3 hrs lec, 3 hrs lab)* 4 cr.
*offered every sem.*

Linguistics: Intro to Linguistics (3 cr.)

**ANTHC 15100 - Introduction to Linguistics**

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.

*3 hrs* 3 cr.

Archaeology: Intro to Prehistoric Archaeology (3 cr.)

**ANTHC 12600 - Introduction to Prehistoric Archaeology**

GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.

*3 hrs* 3 cr.
*offered every sem.*

Research Design (3 cr.)

**ANTHC 31400 - Research Design in Anthropology**

GER 3/B
Introduction to basic principles of research design employed in anthropology.
History of Anthropological Theory (3 cr.)

ANTHC 31800 - History of Anthropological Theory

GER 3/B PD/D
Changing approaches to the study of society and culture. Political and historical context of the development of theory, the link between theory and method and the impact of theory on policy.

prereq: ANTHC 10100 or perm instr.
3 hrs3 cr.

Elective courses (9 cr.)

(selected from above fields)

Total credits 25

Minor in Anthropology

There are two new rules about the minor. First, the minor department controls the minor. Second, the minor is no longer a degree requirement.

General Anthropology

The Anthropology Minor provides students an overview of the discipline through survey courses in each of the four primary subfields of anthropology. It is designed to help students appreciate the significance of, and relations between, language, biology, and culture, for human beings past and present. The minor consists of four courses for a total of 13 credits. In order to graduate with an Anthropology Minor, students must earn a C grade or better in all the courses counted towards the minor.

The minor includes the following three required courses:

ANTHC 10100 - Introduction to Cultural Anthropology

GER 2/B PD/A
Comparative and historical examination of the human condition through a focus on diverse responses to universal problems, such as making a living, resolving conflict, organizing family/kin relations and finding meaning in the world.

3 hrs3 cr.
offered every sem.

ANTHC 12600 - Introduction to Prehistoric Archaeology

GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.

3 hrs3 cr.
offered every sem.
ANTHC 15100 - Introduction to Linguistics

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language
universals.
3 hrs 3 cr.

Plus one additional course selected from the following two options:

ANTHP 10100 - Human Evolution

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics,
comparative primate biology, the fossil record, and modern human variation.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

ANTHP 10200 - Human Variation

GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation
will be examined. Lab experiments and demonstrations.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

Minor in Linguistic Anthropology

The Linguistic Anthropology Minor introduces students to the comparative and interdisciplinary study of language as a
cultural resource and speaking as a cultural practice. In its study of the ways in which language and culture are
interrelated, linguistic anthropology often draws from linguistics, sociology, psychology, philosophy, communication
studies, as well as education, semiotics, and ethnic and literary studies. The Minor consists of a minimum of 12 credits
from any of the following courses, or other courses with approval of the departmental undergraduate adviser. In order
to graduate with a Linguistic Anthropology Minor, students must earn a C grade or better in all the courses counted
towards the minor.

ANTHC 15100 - Introduction to Linguistics

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language
universals.
3 hrs 3 cr.

ANTHC 35100 - Language in Culture and Society

GER 3/B
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social
and political life; language, ideology and identity.
3 hrs 3 cr.

ANTHC 40100 - Seminars in Selected Topics
Minor in Anthropological Archaeology

The Anthropological Archaeology Minor introduces students to the study of past human societies and cultural diversity from an anthropological perspective. The minor consists of a minimum of 12 credits from the courses listed below, or other courses with the approval of the departmental undergraduate advisor. Only one non-ANTHC course from the following list may count towards the minor. In order to graduate with an Anthropological Archaeology Minor, students must earn a C grade or better in all the courses counted towards the minor.

ANTHC courses:

**ANTHC 12600 - Introduction to Prehistoric Archaeology**

GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs 3 cr.
offered every sem.

**ANTHC 12700 - Introduction to Archaeological Techniques**

Strategies of data collection; determination of age of deposits, environmental reconstruction, examination of artifacts.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

**ANTHC 34600 - Analytic Methods in Archaeology**

GER 3/B
Theory and methods of analysis of materials recovered from archaeological excavations and surveys.
prereq: ANTHC 12600 or perm instr.
5 hrs (3 hrs lec, 2 lab) 4 cr.

Non-ANTHC courses

**ANTHP 10100 - Human Evolution**

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

**CLA 20400 - Introduction to Classical, Near Eastern, and Egyptian Archaeology (W)**

GER 2/C
Introduction to ancient archaeology, including Greece and Rome, Mesopotamia, Egypt, Anatolia, and the Levant.
**GEOG 10100 - People and Their Environment**

GER 2/B
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. Contemporary economic, political and social patterns and problems are discussed.

3 hrs 3 cr.
offered fall and spring.

**GEOL 10100 - Fundamentals of Geology**

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab) 4.5 cr.
Offered fall and spring.

**Minor in Cultural Anthropology or Ethnology**

The Cultural Anthropology Minor introduces students to the study of contemporary human cultures through a focus on cross-cultural similarities and differences in such areas as kinship, politics, economics, religion, sexuality, gender, and artistic production. The minor consists of a minimum of 12 credits from the courses listed below, as well as others that may be approved by the departmental undergraduate adviser. In order to graduate with a Cultural Anthropology Minor, students must earn a C grade or better in all the courses counted towards the minor.

**ANTHC 10100 - Introduction to Cultural Anthropology**

GER 2/B PD/A
Comparative and historical examination of the human condition through a focus on diverse responses to universal problems, such as making a living, resolving conflict, organizing family/kin relations and finding meaning in the world.
3 hrs 3 cr.
offered every sem.

**ANTHC 21500 - The Anthropology of Black America (W)**

GER 3/B PD/B
Examines anthropological knowledge about Black America and the various socio-political contexts in which this body of scholarship has been produced. Focuses on the politics of knowledge production on Black culture.
prereq: ENGL 12000
3 hrs 3 cr.
ANTHC 27500 - Reading Ethnographies (W)

GER 3/B
Examines the most significant mode of writing within cultural anthropology: the ethnography. Students explore interpretive, theoretical and political issues in the representation of cultures through close reading and analysis of ethnographic texts.
prereq: ANTHC 10100 or perm instr.
prereq or coreq: ENGL 12000
3 hrs3 cr.

ANTHC 30100 - Gender in Anthropological Perspective

GER 3/B PD/C
Men and women in different societies, division of labor, socialization, stratification, political activism and gender construction.
cross-listed WGS 30100
prereq: ANTHC 10100 or perm instr.
3 hrs3 cr.

ANTHC 30900 - Countryside and City: Comparative Perspectives

Rural-urban connections and the transformations that affect rural areas and peoples in diverse parts of the world.
prereq: ANTHC 10100 or perm instr.
3 hrs3 cr.

ANTHC 31000 - Politics and Power in Anthropological Perspective

GER 3/B PD/A
Leadership, conflict, inequality, decision-making and law in different societies; interaction of local politics with state and global institutions.
prereq: ANTHC 10100 or perm instr.
3 hrs3 cr.

ANTHC 31800 - History of Anthropological Theory

GER 3/B PD/D
Changing approaches to the study of society and culture. Political and historical context of the development of theory, the link between theory and method and the impact of theory on policy.
prereq: ANTHC 10100 or perm instr.
3 hrs3 cr.

ANTHC 32000 - Problems in Anthropology

GER 3/B
Topics TBA. Recent courses have looked at globalization, social movements and civil society, energy policy, women and economic development, international migration. Depending on topic, may meet PD/A, B, or C.
prereq: perm instr.
3 hrs3 cr.
offered every sem.
ANTHC 32200 - Family and Household in Anthropology and History

GER 3/B PD/C
Examines variations in household structure and family relations across cultures and over time, focusing on the relationship between domestic arrangements and other aspects of society.

*prereq or coreq: ANTHC 10100
3 hrs 3 cr.

ANTHC 35100 - Language in Culture and Society

GER 3/B
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social and political life; language, ideology and identity.

3 hrs 3 cr.

ANTHC 40000 - Honors Projects

*prereq: perm chair
offered every sem.

Minor in Physical Anthropology

The Physical Anthropology Minor introduces students to the study of human evolution, including human variation, paleontology, genetics, and primatology. The Minor consists of a minimum of 12 credits. These must include ANTHP 10100 - Human Evolution (4 Cr). The remaining credits can be filled by any ANTHP courses. Also, one (and only one) non-ANTHP course from the following list may count towards the minor. In order to graduate with a Physical Anthropology Minor, students must earn a C grade or better in all the courses counted towards the minor.

Required course for the minor

ANTHP 10100 - Human Evolution

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.

6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

8 or more credits from any of the following courses (only one non-ANTHP course may be used for the Physical Anthropology Minor):

ANTHP 10200 - Human Variation

GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.

6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

ANTHP 30100 - Human Fossil Record
The hominid fossil record of Africa, Asia and Europe. Human evolution as evidenced in fossil record.
prereq: ANTHP 10100, 10200, or equiv.
3 hrs 3 cr.

ANTHP 30200 - Human Genetics

Analysis of distribution of contemporary human populations and microevolutionary processes that underlie human variability
prereq: ANTHP 10100, 10200, or BIOL 10200
3 hrs 3 cr.

ANTHP 31000 - Primate Ecology and Behavior

Examination of ecological factors responsible for the distribution and behavior of living primate species.
prereq: ANTHP 10100 or 10200 or BIOL 10000 or 10200
3 hrs 3 cr.

ANTHP 31100 - Primate Evolution

Evolution of primate behavior and morphology; interdependence of ecology, behavior and morphology.
prereq: ANTHP 10100 or perm instr.
3 hrs 3 cr.

ANTHP 31200 - Primate Evolutionary Genetics

Examines evolutionary relationships, social behavior, natural selection, disease, population history, demography, medicine and genomics. This course draws on readings from the primary literature.
prereq: ANTHP 10100 or ANTHP 10200 or BIOL 10200
3 hrs 3 cr.

ANTHP 31600 - Human Evolutionary Adaptations

Studies adaptive significance of distinctive biological features of human species, including brain size, secondary sexual characteristics, sparse body hair and use of complex language.
prereq: ANTHP 10100 or 10200 or BIOL 10000 or 10200
3 hrs 3 cr.

ANTHP 40100 - Seminars in Selected Topics

Course provides in-depth study of specific topics in field of physical anthropology.
prereq: prereq; depends on topic
3 hrs 3 cr.

Non-ANTHP courses

ANTHC 12600 - Introduction to Prehistoric Archaeology
GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs3 cr.
offered every sem.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 12000 - Anatomy and Physiology I

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.
Not accepted for credit toward the biology major.
prereq: CHEM 10000, 10100coreq: CHEM 12000, 12100
6 hrs (3 lec, 3 lab)4.5 cr.
fall only

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab)4.5 cr.
Offered fall and spring.

PSYCH 16000 - Evolution and Behavior

GER 2/B
Aggression, sleep, learning, communication, emotion, motivation and social behavior in human and other species; underlying mechanisms, development, evolutionary history.
prereq: PSYC 10000
3 hrs3 cr.

Honors Work

Honors work is possible in each of the major branches of anthropology. The emphasis is on independent student research under the supervision of a faculty member. In order to graduate with departmental honors in anthropology, a student must: (1) have taken at least 2 credits of ANTHC 40000; (2) have a GPA in the major of not less than 3.5 and a cumulative GPA of not less than 2.8 at the time of graduation; and (3) complete a departmental honors form available from the departmental undergraduate adviser.
AN-C 400 Honors Project

(available to students in each of the four fields of anthropology) Open to qualified juniors and seniors every semester. Research under supervision of a faculty member. From 2 to 3 credits per semester, depending on the nature of the student’s work. May be taken for 1, 2, or 3 semesters for a maximum of 6 credits. To apply, students must (1) present a research plan prepared in conjunction with a faculty member; (2) have this plan approved by the undergraduate adviser and the department chair; and (3) obtain approval prior to preregistration.

The COR Program

The departments of psychology, anthropology and sociology jointly offer a program called COR (Career Opportunities in Research and Education). This interdisciplinary research training program for talented minority juniors and seniors is funded by the National Institute of Mental Health. Participants receive a monthly stipend and tuition and fee remission; they take a special curriculum and get individualized research training in a variety of areas under the supervision of a faculty mentor. The program has several levels of participation and all minority students — especially freshmen and sophomores — intending to pursue a research related career in the participating disciplines are urged to register with the program. Additional details and descriptive literature are available from the COR program manager, 532 Hunter North, (212) 772-4562.

Interdepartmental Fields

Students who want to do work in anthropology as part of an interdepartmental field, such as Africana and Puerto Rican/Latino studies, Latin American and Caribbean studies, religion, urban affairs and planning, or women and gender studies, should refer to descriptions under the department or field of their interest.

Undergraduate Major/Graduate Major

Anthropology - BA/MA

A special feature of the Hunter Anthropology Department is the innovative BA/MA program, designed to permit a small number of highly motivated students to begin graduate study before completing their undergraduate degrees. The program allows students to pursue the MA degree as part of the undergraduate curriculum by substituting graduate courses for electives in their degree programs. Participants fulfill all the requirements for the BA and MA degrees in anthropology. The total number of credits taken by the student is 130. At least 30 must be graduate credits (the same number of course credits required of a student admitted as a matriculated graduate student with a BA in hand). Graduate courses may fulfill undergraduate major requirements with the exception of ANTHP 10100 and ANTHP 10200. Applicants to the BA/MA program must have a minimum GPA of 3.25 and a minimum of 3.5 in their anthropology courses. Students must apply to the program early in their academic careers, usually before beginning the junior year.

Anthropology: Archaeology

ANTHC 12600 - Introduction to Prehistoric Archaeology
GER 2/B
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.
3 hrs 3 cr.
offered every sem.

ANTHC 12700 - Introduction to Archaeological Techniques

Strategies of data collection; determination of age of deposits, environmental reconstruction, examination of artifacts.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 22600 - Archaeology of Africa

GER 3/B PD/A
Prehistory; origins, adaptations, cultural evolution of early hominids; origins of agriculture, early complex societies.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 22700 - Archaeology of Europe

GER 3/B PD/D
Prehistory; early hunting and gathering adaptations, beginnings of sedentary village life, development of complex societies.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 22800 - Archaeology of the Near East to 2000 BC

GER 3/B PD/A
Sociocultural development of Near East from early hunter-gatherers to first states and empires.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 23000 - Prehistory of North American Indians

GER 3/B
Examination of adaptation and change in prehistoric cultural systems, employing archaeological and ethnohistorical sources.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 23100 - Archaeology of Mesoamerica

GER 3/B
Sociocultural development from early hunter-gatherers to first pre-Hispanic states and empires.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 23200 - Archaeology of South America and the Caribbean
GER 3/B
Sociocultural development from early hunter-gatherers to first pre-Hispanic states and empires.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 32600 - Rise of Old and New World Civilizations

GER 3/B
Theoretical and empirical examination of development of urbanism and state, in the Old and New Worlds.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 32700 - Prehistoric Cultural Ecology

GER 3/B
Survey of selected problems in human evolution and adaptation from an ecological perspective.
prereq: ANTHC 12600 or perm instr
3 hrs 3 cr.

ANTHC 34600 - Analytic Methods in Archaeology

GER 3/B
Theory and methods of analysis of materials recovered from archaeological excavations and surveys.
prereq: ANTHC 12600 or perm instr.
5 hrs (3 hrs lec, 2 lab) 4 cr.

ANTHC 42600 - Seminar in Archaeological Field Methods

Introduction to field methods and techniques in survey and excavation; involves weekend fieldwork on nearby sites. Depending on topic, may meet PD/B or D.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

Anthropology: Biological Anthropology, Genetics and Paleontology

ANTHP 10100 - Human Evolution

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

ANTHP 10200 - Human Variation
GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

ANTHP 21400 - Theory of Evolution

History of and major debates in evolutionary theory, with particular emphasis on human evolution.

prereq: ANTHP 10100, 10200, or equiv.
3 hrs 3 cr.

ANTHP 30100 - Human Fossil Record

GER 3/B PD/C
The hominid fossil record of Africa, Asia and Europe. Human evolution as evidenced in fossil record.
prereq: ANTHP 10100, 10200, or equiv.
3 hrs 3 cr.

ANTHP 30200 - Human Genetics

Analysis of distribution of contemporary human populations and microevolutionary processes that underlie human variability
prereq: ANTHP 10100, 10200, or BIOL 10200
3 hrs 3 cr.

ANTHP 31000 - Primate Ecology and Behavior

GER 3/B
Examination of ecological factors responsible for the distribution and behavior of living primate species.
prereq: ANTHP 10100 or 10200 or BIOL 10000 or 10200
3 hrs 3 cr.

ANTHP 31100 - Primate Evolution

GER 3/B
Evolution of primate behavior and morphology; interdependence of ecology, behavior and morphology.
prereq: ANTHP 10100 or perm instr.
3 hrs 3 cr.

ANTHP 31200 - Primate Evolutionary Genetics

Examines evolutionary relationships, social behavior, natural selection, disease, population history, demography, medicine and genomics. This course draws on readings from the primary literature.
prereq: ANTHP 10100 or ANTHP 10200 or BIOL 10200
3 hrs 3 cr.

ANTHP 31600 - Human Evolutionary Adaptations
GER 3/B
Studies adaptive significance of distinctive biological features of human species, including brain size, secondary sexual characteristics, sparse body hair and use of complex language.
prereq: ANTHP 10100 or 10200 or BIOL 10000 or 10200
3 hrs 3 cr.

ANTHP 40100 - Seminars in Selected Topics
Course provides in-depth study of specific topics in field of physical anthropology.
prereq: prereq; depends on topic
3 hrs 3 cr.

Anthropology: Cultural Anthropology and Ethnology

ANTHC 10100 - Introduction to Cultural Anthropology
GER 2/B PD/A
Comparative and historical examination of the human condition through a focus on diverse responses to universal problems, such as making a living, resolving conflict, organizing family/kin relations and finding meaning in the world.
3 hrs 3 cr.
offered every sem.

ANTHC 20000 - Africa: Societies and Cultures
GER 3/B PD/A
Pre-colonial, colonial and contemporary communities, subsistence and exchange systems and ecological adaptations.
3 hrs 3 cr.

ANTHC 20100 - The Middle East: Societies and Cultures
GER 3/B PD/A
Peasant, nomadic and urban society; kinship, ethnic, religious and ecological diversity; colonialism and modernization.
3 hrs 3 cr.

ANTHC 20400 - East Asia: Societies and Cultures
GER 3/B PD/A
Historical and regional variation in various East Asian societies, with a focus on political economy, family, kinship, community and national minorities.
3 hrs 3 cr.

ANTHC 21100 - Native North America: Societies and Cultures
GER 3/B PD/A or B
Adaptive strategies and cultural variations in pre and post-contact periods; problems in contemporary societies.
3 hrs 3 cr.
ANTHC 21300 - Latin America: Societies and Cultures

GER 3/B PD/A
Development and organization of tropical forest Indians, hacienda and plantation economies, peasant and urban societies.
3 hrs 3 cr.

ANTHC 21400 - The Caribbean: Societies and Cultures

GER 3/B PD/A
Indigenous peoples, colonization and slavery; minorities, race relations; family life, religion and economy.
3 hrs 3 cr.

ANTHC 21500 - The Anthropology of Black America (W)

GER 3/B PD/B
Examines anthropological knowledge about Black America and the various socio-political contexts in which this body of scholarship has been produced. Focuses on the politics of knowledge production on Black culture.
prereq: ENGL 12000
3 hrs 3 cr.

ANTHC 21800 - The Anthropology of the Civil Rights Movement in the U.S.

GER 3/B PD/B
This course examines the grassroots struggle to gain equality and justice in the United States, viewed as a social protest movement, from the perspective of cultural anthropology. The course will focus on the major events, themes and issues of the Civil Rights Movement and examine their effect in challenging the American concept of democracy; in changing those who participated in it; and in spawning other social movements that transformed American society and culture.
prereq: ANTHC 101 or departmental permission
prereq or coreq: ENG 120
3 hours 3 credits

ANTHC 27500 - Reading Ethnographies (W)

GER 3/B
Examines the most significant mode of writing within cultural anthropology: the ethnography. Students explore interpretive, theoretical and political issues in the representation of cultures through close reading and analysis of ethnographic texts.
prereq: ANTHC 10100 or perm instr
prereq or coreq: ENGL 12000
3 hrs 3 cr.

ANTHC 30100 - Gender in Anthropological Perspective

GER 3/B PD/C
Men and women in different societies, division of labor, socialization, stratification, political activism and gender construction.
cross-listed WGS 30100
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.
ANTHC 30600 - Folklore and Myth

GER 3/B
Cultural and psychological functions and symbolic meanings.
3 hours 3 credits

ANTHC 30700 - Anthropology of Religion

GER 3/B PD/A
Emphasis on non-Western societies; theories of religion, magic; functions and symbolic meaning.
3 hrs 3 cr.

ANTHC 30800 - Human Ecology

GER 3/B PD/A
Relationship between human populations and environment; ecosystems, population interactions, resource management and environmental movements.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 30900 - Countryside and City: Comparative Perspectives

Rural-urban connections and the transformations that affect rural areas and peoples in diverse parts of the world.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 31000 - Politics and Power in Anthropological Perspective

GER 3/B PD/A
Leadership, conflict, inequality, decision-making and law in different societies; interaction of local politics with state and global institutions.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 31100 - Anthropology of Art

GER 3/B
Symbolic forms of human behavior; paleolithic cave art, tribal art, ethnomusicology.
3 hrs 3 cr.

ANTHC 31200 - Anthropological Approaches to Sexuality

GER 3/B PD/C
Documents the social construction of human sexuality through an examination of sexual variation cross-culturally and over recent history, including the development of sexually defined communities and identities within contemporary societies.
prereq: ANTHC 10100
3 hrs 3 cr.
ANTHC 31400 - Research Design in Anthropology

GER 3/B
Introduction to basic principles of research design employed in anthropology.
prereq: ANTHC 10100
3 hrs 3 cr.

ANTHC 31500 - Applied Anthropology

GER 3/B
Practical applications of theory and methods to contemporary social problems; community development; inter-cultural relations.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 31800 - History of Anthropological Theory

GER 3/B PD/D
Changing approaches to the study of society and culture. Political and historical context of the development of theory, the link between theory and method and the impact of theory on policy.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 32000 - Problems in Anthropology

GER 3/B
Topics TBA. Recent courses have looked at globalization, social movements and civil society, energy policy, women and economic development, international migration. Depending on topic, may meet PD/A, B, or C.
prereq: perm instr.
3 hrs 3 cr.
offered every sem.

ANTHC 32100 - Women and Globalization

GER 3/B
The situation of women from less developed countries with attention to the local and global forces shaping their lives. Topics include migration, the international division of labor and worldwide adoption. Includes both theoretical approaches and practical issues related to improving women's place in society.
cross-listed WGS 32100
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 32200 - Family and Household in Anthropology and History

GER 3/B PD/C
Examines variations in household structure and family relations across cultures and over time, focusing on the relationship between domestic arrangements and other aspects of society.
prereq or coreq: ANTHC 10100
3 hrs 3 cr.
ANTHC 32500 - Special Projects and Independent Research in Anthropology

GER 3/B
prereq: perm instr.
3 hrs 3 cr.
offered every sem.

ANTHC 33200 - East Asia: Societies and Cultures

GER 3/B
Historical and regional variation in various East Asian societies with a focus on political economy, kinship, community and national minorities.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 33400 - Latin America: Societies and Cultures

GER 3/B
Changing views of US and Latin American anthropologists on ethnic, class and gender relations, underdevelopment, migration and social movements.
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

ANTHC 35000 - Popular Culture: Anthropological Perspectives

GER 3/B
The comparative ethnographic and theoretical study of popular and expressive culture traditions from around the world.
prereq: ANTHC 10100, ENGL 12000, or perm instr.
3 hrs 3 cr.

ANTHC 40000 - Honors Projects

prereq: perm chair
offered every sem.

ANTHC 40100 - Seminars in Selected Topics

Topics TBA.

ANTHC 40196 - International Migration

3 hrs 3 cr.

Anthropology: Linguistics

ANTHC 15100 - Introduction to Linguistics
GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.
3 hrs 3 cr.

ANTHC 26000 - North American Indian Languages and Cultures

GER 3/B
Linguistic analysis and sociocultural background of North American Indian languages.
3 hrs 3 cr.

ANTHC 26300 - Afro-New World Languages and Cultures

GER 3/B
Linguistic analysis, history, sociocultural background of Caribbean creole languages, other Afro-American speech forms.
3 hrs 3 cr.

ANTHC 35100 - Language in Culture and Society

GER 3/B
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social and political life; language, ideology and identity.
3 hrs 3 cr.

ANTHC 35300 - Phonological Analysis and Theory

GER 3/B
Phonetics of diverse languages, their phonemic analysis at different levels of theory, including distinctive feature analysis and phonological links to grammar.
prereq: ANTHC 15100 or equiv.
3 hrs 3 cr.

ANTHC 35400 - Grammatical Analysis and Theory

GER 3/B
Methods of syntax and morphology in work with diverse languages; syntactic theories and their development relative to universals, semantics, pragmatics, discourse.
prereq: ANTHC 15100 or equiv.
3 hrs 3 cr.

Anthropology: Courses Less Frequently Offered

ANTHC 31600 - Quantitative Methods in Anthropology

GER 3/B
Statistics and data analysis techniques for anthropological research.
ANTHC 31700 - Field Methods in Cultural Anthropology

GER 3/B

Programs and Courses in Art

Art

About the Department

The Department of Art offers a wide variety of courses for majors and non-majors. In studio art, two academic degrees are offered: the BA and the BFA. In art history, we offer a BA degree. Art history is the study of works of art and architectural monuments in their cultural environment. Students learn first to develop their powers of critical visual analysis. Then, by concentrated study of certain significant periods in the history of Western and non-Western art, they learn to relate the forms of art to contemporary historical, political, economic, religious, social and cultural phenomena.

The department’s broad range of studio courses begins with Introduction to Study of Visual Experience (ARTLA 10100) followed by Beginning Drawing (ARTCR 22100), which are prerequisites for all studio courses. In the beginning classes, the student learns the basic principles in various media; the advanced courses emphasize individual exploration.

Programs and Courses

Programs and Courses in Art

Administration and Faculty

Department Office:

11054 North
(212) 772-4995
Web site: http://www.hunter.cuny.edu/~art

Chair:

Thomas Weaver
11056 North
(212) 772-4995
E-mail: hweaver@hunter.cuny.edu

Faculty

Art Faculty

HEGIS Code: 1002 (Studio Art); 1003 (Art History)

Undergraduate Major
Art History - BA

The Department of Art offers introductory, intermediate and advanced courses in art history. It offers a choice of either a 24-credit standard major or a 42-credit intensive major. An optional minor in art history is also available.

- Art History 24-Credit Major
- Art History 42-Credit Intensive Major

Minor in Art History

The minor includes 12 credits in Art History as follows: ARTH 11100 - Introduction to History of Art followed by 9 credits selected from the other department offerings. No more than 6 credits transferred from another institution may be applied to the minor.

Electives

All courses, unless otherwise specified, are open to qualified students majoring in other areas.

Honors

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Students must have taken at least one combined undergraduate/graduate course (ARTH 39900 “Special Topics”), for which they received a letter grade. Students must present to the department’s Committee on Honors a paper produced in conjunction with ARTH 39900, or with any of the following:

ARTH 40200 - Independent Study in Art History

GER 3/A
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
prereq: perm instr.
3 hrs 3 cr.

ARTH 36800 - Research Methods of Art History

GER 3/A
Training in bibliographical material and research methods through examination of a problem in art history. Preparation for advanced work.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
prereq: 2 courses of art history from the 200 level
3 hrs 3 cr.

- any of the 300-level art history “Advanced Studies” courses.
Graduate Study

The Department of Art offers a number of courses, listed in the Graduate Catalog, that may be credited toward the degree of master of arts. Qualified students in the senior year may be admitted to these courses with the approval of the graduate art history adviser.

Art History 24-Credit Major

Return to Programs and Courses in Art

A BA in art history is available to students interested in a liberal arts education in the humanities. A broad range of courses from different fields, rather than specialization in one area, is encouraged. Students who have completed 9 credits in art history are eligible to take the required advanced Research Seminar (ARTH 36800), to be programmed in consultation with an art history adviser. No courses can be repeated. A minor of 12 credits is required and it may be taken in a related field such as classics, anthropology, history, etc.

Majors must consult with an art history adviser during an early semester concerning their choice of a minor.

Majors planning graduate study in art history are advised to discuss requirements for graduate admission, including graduate language requirements, with an art history adviser during an early semester.

Required Courses for the 24-Credit BA:

Program prerequisite

(survey courses do not count toward art history major credit.)

ARTH 11100 - Introduction to History of Art

GER 2/D PD/D

Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.

3 hrs 3 cr.

Six courses, including at least one in each of three different areas: 18 cr

- Ancient
- Medieval
- Renaissance
- Baroque
- Modern including 19th, 20th, 21st century
- Non-Western including: Islamic, Chinese and Japanese

Advanced topics or theme course selected from any of the offerings 3 cr

Research Methods 3 cr
ARTH 36800 - Research Methods of Art History

GER 3/A
Training in bibliographical material and research methods through examination of a problem in art history. Preparation for advanced work.

*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*

*prereq: 2 courses of art history from the 200 level
3 hrs 3 cr.*

**Total 24 cr**

**Art History 42-Credit Intensive Major**

This major is recommended for students desiring concentrated advanced work in art history. It requires 36 credits of course work in art history and 6 credits in studio art. It does not include a minor; however, with permission of the art history adviser, up to 6 credits of work in related areas — studio art, literature, or history, for example — may be substituted for art history courses within the required 36 credits.

As in the case of the 24-credit major, the sequence begins with one of the introductory courses (program prerequisite), is followed by five elective courses in art history and includes the advanced Research Seminar (ARTH 36800).

**Required Courses for the 42-Credit Intensive Major**

**Program prerequisite**

(Survey courses do not count toward art history major credit.)

**ARTH 11100 - Introduction to History of Art**

GER 2/D PD/D
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.

*3 hrs 3 cr.*

Nine courses, including at least one in each of five different areas: 27 cr

- Ancient
- Medieval
- Renaissance
- Baroque
- Modern including 19th, 20th, 21st century
- Non-Western including: Islamic, Chinese and Japanese

Advanced studies and/or theme course selected from any of the offerings
6 cr
(e.g., ARTH 29900 and/or 300- or 400-level courses)

Research Methods 3 cr

ARTH 36800 - Research Methods of Art History

GER 3/A
Training in bibliographical material and research methods through examination of a problem in art history. Preparation for advanced work.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

prereq: 2 courses of art history from the 200 level
3 hrs3 cr.

Studio courses to be chosen in consultation with an adviser 6 cr

Total 42 cr

Studio Art - BA

- Studio Art 24-Credit Major (BA)
- Studio Art 42-Credit Major (BA)

Electives

All courses, unless otherwise specified, are open to qualified students majoring in other areas.

Honors

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Student must submit 35mm slides of an advanced studio project or independent study course.

ARTCR 36000 - Special Projects

Advanced students only. Advanced projects are announced prior to registration each term. Recent examples of Special Projects courses: Color Photo; Advanced Photo Darkroom Process; Collage and Assemblage; Color as Communication; Computer Graphics; Projects in Clay; Advanced Watercolor Painting; Experiment: Photography and Graphics; Site-Specific Painting; Projects in 2-D., Digital Art, Advanced Digital Art, Video for Artists, Installation Art, Sculpture: Methods & Materials, Advanced 2-D studio Seminar, Politics & Painting, Unconventional Approaches: Drawing, 2-D,3-D,4-D Seminar, Advanced Painting Tech. & Concepts

prereq: See department
3 hrs3 cr. + 5 hrs open studio

ARTCR 40200 - Independent Study in Studio Art
**ARTC 10100 and 22100 are prerequisites to all studio courses.**

prereq: perm instr.
1-3 hrs 1-3 cr. per semester

**Graduate Study**

The Department of Art offers a number of courses, listed in the Graduate Catalog, that may be credited toward the degree of master of arts. Qualified students in the senior year may be admitted to these courses with the approval of the graduate art history adviser.

**Studio Art - BFA**

This degree is open to the student who wants to complete work in studio art beyond the 42-credit major and particularly the student who intends to pursue a career as a professional artist and attend graduate school. Students follow the regular GER for the BA degree. Departmental approval of the 61-credit BFA concentration is required. Students who have successfully completed 90 credits may apply to the BFA program, pending an interview with the BFA adviser. Students are required to maintain a GPA of 3.0 in this program. Required courses are as follows:

**Year 1 6 cr**

**ARTLA 10100 - Introduction to Study of Visual Experience**

Introduction to conceiving and formulating ideas for visual experience. Students work in 3 different areas in day session, 2 in evening session.
6 hrs 3 cr. + 3 cr. hrs open studio

**ARTCR 22100 - Drawing**

Basic principles in various media and subjects. Eye/hand coordination, perceptual acuity, spatial organization; interpretation of directly observed subjects.

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

prereq: ARTC 10100
4 hrs 3 cr. + 5 hrs open studio

**ARTH 11100 - Introduction to History of Art**

GER 2/D PD/D
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.
3 hrs 3 cr. cr

**Year 2 12 cr**

Four of the following six courses or 3 of the following 6 courses plus one 300-level course:

**ARTCR 22500 - Graphic Arts Workshop**
Techniques of woodcut, intaglio, lithography, silkscreen and related media.

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

**prereq:** ARTC 10100 and 22100

4 hrs 3 cr. + 5 hrs open studio

**ARTCR 23500 - Painting**

Basic principles of painting. Studio practice using varied paint media, varied paint surfaces, paper and canvas.

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

**prereq:** ARTC 10100 and 22100

4 hrs 3 cr. + 5 hrs open studio

**ARTCR 25100 - Sculpture**

Basic principles of sculpture. Studio practice in varied materials.

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

4 hrs 3 cr. + 5 hrs open studio

**ARTCR 25700 - Ceramics**

Introduction to pottery and ceramic sculpture, including hand forming, throwing on the wheel, glazing and kiln operation.

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

4 hrs 3 cr. + 5 hrs open studio

**ARTCR 27100 - Principles of Photography**

Black and white photography as creative medium; camera and its functions; exposure and film development, contact printing and enlarging.

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

3 hrs 3 cr. + 6 hrs open studio

**ARTCR 29000 - Combined Media**

An introduction to basic technologies, methods and ideas that result in ways of making art that mix and combine media. The course will emphasize the production of moving images, sounds, performance as well as still images and objects.

4 hrs + 5 hrs open studio 3 cr.

**Year 3**

At least one area of concentration with two 300-level courses repeated in any one of the following: 6 cr

**ARTCR 32200 - Advanced Drawing**

Continued experience in drawing with emphasis on drawing from life.

*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*
prereq: ARTC 22100
4 hrs 3 cr. + 5 hrs open studio

ARTCR 32600 - Advanced Graphic Arts Workshop

Advanced study of one or more graphic art methods. Individual exploration emphasized.  
May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.  
prereq: ARTC 22500  
4 hrs 2 cr. + 5 hrs open studio

ARTCR 33600 - Advanced Painting

Continued experience in painting with possible concentration upon one medium and theme. Individual exploration emphasized.  
May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.  
prereq: ARTC 23500  
4 hrs 3 cr. + 5 hrs open studio

ARTCR 35200 - Advanced Sculpture

Continued experience in sculpture with possible concentration in one material. Individual exploration emphasized.  
May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.  
prereq: ARTC 25100  
4 hrs 3 cr. + 5 hrs open studio

ARTCR 35700 - Advanced Ceramics

Continued experimentation in form, surface and techniques. Individual exploration emphasized.  
May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.  
prereq: ARTC 25700  
4 hrs 3 cr. + 5 hrs open studio

ARTCR 37200 - Advanced Photography

Techniques and aesthetics of black and white photography; self-expression and exploration; classroom critiques.  
May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.  
prereq: ARTC 27100  
3 hrs 3 cr. + 6 hrs open studio

ARTCR 39000 - Combined Media

Continued experience in combined media with possible concentration in one approach and/or method. Individual exploration will be emphasized. May be repeated once (i.e., taken twice).  
4 hrs + 5 hrs open studio 3 cr.

Additional studio art requirements: 6 cr
• Courses chosen from all other 200- and 300-level studio art courses. Special-topic advanced studio courses will also be offered each semester for advanced art students; however they do not count toward the major concentration.

Art history requirements: 15 cr

To be completed by the end of year three.

**ARTH 11100 - Introduction to History of Art**

GER 2/D PD/D
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.

3 hrs 3 cr.

**ARTH 24900 - Twentieth-Century Art I (W)**

GER 3/A PD/D
Western art to World War II.

**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**

3 hrs 3 cr.

**ARTH 25000 - Twentieth-Century Art II (W)**

GER 3/A PD/D
Western art from World War II to approximately 1980.

**prereq: ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**

3 hrs 3 cr.

• and six to nine additional credits chosen from 200- and 300-level courses.

**ARTH 25100 - Contemporary Art (W)**

GER 3/A
Significant international artists and art works of the past twenty years, as well as recent developments in art theory and criticism.

**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**

**prereq: ARTH 11100**

3 hrs 3 cr.

Year 4 16 cr

**ARTCR 40500 - Art and Current Ideas II**
Lecture and discussion; a non-studio course. Topics of concern in art today as brought forth by current exhibitions. Scheduled trips to galleries and museums. Reading assignments, papers and oral reports focus on issues relative to the exhibitions.

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

*prereq: BFA students or perm dept.*

3 hrs 3 cr.

**ARTCR 45900 - Professional Experience in Art I**

BFA majors, seniors only. Not credited toward BA degree. Advanced projects may include activities outside the college, as well as within the department.

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

*prereq: perm BFA committee at end of junior yr.*

3 hrs + 15 hrs open studio 6.5 cr.

**ARTCR 46000 - Professional Experience in Art II**

Continuation of ARTC 45900.

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

3 hrs + 15 hrs open studio 6.5 cr.

**Honors**

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Student must submit 35mm slides of an advanced studio project or independent study course.

**ARTCR 36000 - Special Projects**

Advanced students only. Advanced projects are announced prior to registration each term. Recent examples of Special Projects courses: Color Photo; Advanced Photo Darkroom Process; Collage and Assemblage; Color as Communication; Computer Graphics; Projects in Clay; Advanced Watercolor Painting; Experiment: Photography and Graphics; Site-Specific Painting; Projects in 2-D., Digital Art, Advanced Digital Art, Video for Artists, Installation Art, Sculpture: Methods & Materials, Advanced 2-D studio Seminar, Politics & Painting, Unconventional Approaches: Drawing, 2-D, 3-D, 4-D Seminar, Advanced Painting Tech. & Concepts

*prereq: See department*

3 hrs 3 cr. + 5 hrs open studio

**ARTCR 40200 - Independent Study in Studio Art**

*ARTC 10100 and 22100 are prerequisites to all studio courses.*

*prereq: perm instr.*

1-3 hrs 1-3 cr. per semester

**Graduate Study**

The Department of Art offers a number of courses, listed in the Graduate Catalog, that may be credited toward the degree of master of arts. Qualified students in the senior year may be admitted to these courses with the approval of the graduate art history adviser.
Studio Art 24-Credit Major (BA)

Return to Programs and Courses in Art

The standard major is available to the student interested in a liberal arts education. It consists of eight courses in the major subject, normally one 3-credit course per semester and begins with ARTLA 10100, upon completion continues with ARTCR 22100, followed by an additional 18 credits selected from 200- and 300-level ARTCR courses. The department recommends that the optional minor associated with the 24-credit studio major consist of 12 credits in art history. No courses can be repeated.

Honors

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Student must submit 35mm slides of an advanced studio project or independent study course.

Studio Art 42-Credit Major (BA)

Return to Programs and Courses in Art

An intensive major is available for the student who prefers a greater concentration in studio art and particularly for the student who plans to do graduate study in art. It consists of ARTLA 10100 and ARTCR 22100, with a concentration of 9 credits in one study area (e.g., painting, sculpture, drawing, graphics, ceramics, photography, combined media) and 18 credits of other studio art courses to be determined in consultation with a departmental adviser (a total of 30 credits of studio art). Nine credits of study in art history are required. (It is recommended that students declare their major within 41 credits.)

Students should consult with a department adviser for guidance in the selection of 200-level courses. The plan for the area of concentration should be submitted to an adviser for tentative approval at the beginning of the junior year and for final approval in the lower senior term.

Please note: A maximum of 30 credits in studio art may be applied toward the BA degree.

Prerequisite sequence

ARTLA 10100 - Introduction to Study of Visual Experience

Introduction to conceiving and formulating ideas for visual experience. Students work in 3 different areas in day session, 2 in evening session.
6 hrs 3 cr. + 3 cr. hrs open studio

ARTCR 22100 - Drawing

Basic principles in various media and subjects. Eye/hand coordination, perceptual acuity, spatial organization; interpretation of directly observed subjects.
ARTC 10100 and 22100 are prerequisites to all studio courses.
prereq: ARTC 10100
4 hrs 3 cr. + 5 hrs open studio
Creative art

3 courses in one study area
(e.g., painting, sculpture, drawing, graphics, ceramics, photography or combined media.) 9 cr.

6 other studio courses, to be determined in consultation with adviser
(Note: ARTLA 36018 may be substituted for ARTCR course with permission of the adviser) 18 cr.

Art History

3 courses of ARTH 9 cr.

Honors

Students wishing to graduate with honors must consult an adviser to make an official application. Application forms are in the Art Office, Room 11054 Hunter North. Major credits must have been completed with a 3.5 grade point average and the cumulative grade point average, from courses taken only at Hunter, must be at least 3.0. Student must submit 35mm slides of an advanced studio project or independent study course.

Art Theory and History

ARTH 11100 - Introduction to History of Art

GER 2/D PD/D
Changing forms and subjects of art in several periods of Western civilization, including ancient Greece and Rome, Middle Ages in Western Europe, Renaissance, baroque, modern, American; also Islamic and African art.
3 hrs3 cr. cr

ARTH 20500 - Egyptian Art (W)

GER 3/A PD/A
Geographical, historical and social conditions of the Nile. Influence of Egyptian art. **ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
Prereq or coreq: ENGL 12000 is a prerequisite or corequisite for all ARTH courses numbered 20500-20700.
3 hrs3 cr.

ARTH 21500 - Greek Art (W)

GER 3/A PD/D
Sculpture and painting from the geometric period to the Hellenistic (ca. 750-100 BC). Emphasis on architectural sculpture, monumental free-standing sculpture and vase painting, in their stylistic and narrative contexts
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-**
credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 21600 - Roman Art (W)

GER 3/A PD/D
Roman sculpture and painting from Republican period to Age of Constantine (ca. 100 BC-315 AD). Emphasis on historical reliefs, portraits and wall painting. 
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 22000 - Early Medieval Art (W)

GER 3/A
Sculpture, painting, mosaics and minor arts in West from dissolution of Roman Empire through Carolingian revival, including early Christian and Byzantine art. 
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 22100 - Later Medieval Art (W)

GER 3/A PD/D
Ottonian, Romanesque and Gothic art; architecture, sculpture, painting and minor arts. 
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 22500 - Art of Early Renaissance (W)

GER 3/A PD/D
Painting, sculpture and related architecture in 14th- and 15th-century Italy. Major artists from Giotto to Botticelli.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 22700 - Northern European Painting (W)

GER 3/A PD/D
Late 14th-16th centuries with emphasis on early Netherlandish painting and later masters, such as Der, Bosch, Bruegel. 
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

ARTH 23000 - Art of High Renaissance and Later 16th Century in Italy (W)
GER 3/A PD/D
Sculpture and painting of 16th-century Italy. Emphasis on Leonardo, Raphael, Michelangelo and Titian.
3 hrs 3 cr.
offered spring

**ARTH 23500 - Southern Baroque Art (W)**

GER 3/A PD/D
Sculpture, painting of 17th-century Italy, France, Spain: Carracci, Caravaggio, Reni, Bernini; Ribera, Velasquez, Zurbaran, Murillo, Poussin, Claude Lorrain.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
3 hrs 3 cr.

**ARTH 24000 - Baroque Art of Northern Europe (W)**

GER 3/A PD/D
Sculpture and painting in 17th-century Flanders, Holland and England. Rubens, Van Dyck, Rembrandt; landscape.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
3 hrs 3 cr.

**ARTH 24300 - Eighteenth-Century Art (W)**

GER 3/A PD/D
European painting and sculpture; Watteau, Fragonard and Houdon in France, Hogarth and Reynolds in England, Tiepolo in Italy.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
3 hrs 3 cr.

**ARTH 24400 - Neo-Classicism and Romanticism: the Age of Revolution, 1789-1848 (W)**

GER 3/A PD/D
Neo-classicism and romanticism in France, Germany, England, Spain. David, Ingres, Delacroix; Friedrich, Runge, the Nazarenes; Blake, Reynolds, Constable; Goya.
**ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.**
3 hrs 3 cr.


GER 3/A PD/D
Impressionists and post-Impressionists within a European context: Courbet, Manet, Monet, Canne, Van Gogh, Gauguin, Munch.
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

**ARTH 24600 - American Art (W)**

GER 3/A PD/D
Nineteenth-century American painting, architecture, sculpture, graphics, photography in social, historical and environmental background of period.

**ARTH 24900 - Twentieth-Century Art I (W)**

GER 3/A PD/D
Western art to World War II.

**ARTH 25000 - Twentieth-Century Art II (W)**

GER 3/A PD/D
Western art from World War II to approximately 1980.

**ARTH 25100 - Contemporary Art (W)**

GER 3/A
Significant international artists and art works of the past twenty years, as well as recent developments in art theory and criticism.

**ARTH 25200 - Ancient Architecture (W)**

GER 3/A
Major architectural styles with emphasis on Greece and Rome. Technical, cultural and aesthetic significance of the monuments.

prereq: ARTH 11100
Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs 3 cr.

**ARTH 25300 - Medieval Architecture (W)**

GER 3/A PD/D

Major styles and buildings in West from ancient world through Middle Ages; technical, cultural and aesthetic significance.

*prereq: ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*

3 hrs 3 cr.

**ARTH 25400 - Architecture: Renaissance to Neo-Classical (W)**

GER 3/A PD/D

Architecture in West from Renaissance through the 19th century; baroque, rococo and neoclassical styles.

*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*

3 hrs 3 cr.

**ARTH 25500 - Twentieth-Century Architecture (W)**

GER 3/A PD/D

Architecture since 1850; leading architects' works; history of structural theory as it relates to architectural form and new building types.

*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*

3 hrs 3 cr.

**ARTH 26000 - Islamic Art (W)**

GER 3/A PD/A

Art and architecture of Islamic world from 7th to 17th century, covering both East and West.

*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*

3 hrs 3 cr.

**ARTH 26200 - Indian and Southeast Asian Art (W)**

GER 3/A

Emphasis on Hindu and Buddhist painting, sculpture and temple architecture.

*ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.*

3 hrs 3 cr.
ATH 26300 - Chinese and Japanese Art (W)

GER 3/A PD/A
Chinese and Japanese art with emphasis on painting and sculpture.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs3 cr.

ARTH 27000 - Art of Africa and Oceania (W)

GER 3/A PD/A
Survey of African art; function, subjects, forms and styles of the arts in the cultural contexts.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs3 cr.

ARTH 29900 - Special Topics in History of Art

GER 3/A
Examination of broad general topics, stylistic or cultural. Topics vary each semester.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
3 hrs3 cr.

ARTH 36800 - Research Methods of Art History

GER 3/A
Training in bibliographical material and research methods through examination of a problem in art history. Preparation for advanced work.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
prereq: 2 courses of art history from the 200 level
3 hrs3 cr.

ARTH 36900 - Advanced Studies in Art History

GER 3/A
Study of special topics. Individual research under direction of an instructor; meetings, conferences and reports.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.
prereq: perm instr.
3 hrs3 cr.

ARTH 37000 - Advanced Studies in Ancient Art
ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

3 hrs 3 cr.

**ARTH 37500 - Advanced Studies in Medieval Art**

GER 3/A

Study of special topics. Lectures, readings and reports dealing with various facets of one significant aspect of medieval art.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

3 hrs 3 cr.

**ARTH 38000 - Advanced Studies in Renaissance and Post-Renaissance Art**

GER 3/A

A study of one significant aspect within fields of Renaissance and post-Renaissance art (14th through 18th centuries).

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

3 hrs 3 cr.

**ARTH 39000 - Advanced Studies in Oriental Art**

GER 3/A

Study of special topics of art from India, Southeast Asia, China, or Japan.

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

3 hrs 3 cr.

**ARTH 39900 - Special Topics in History of Art**

GER 3/A PD/D

Combination undergrad/graduate course. May be used to fulfill honors requirements. Specific topic varies each term. Recent examples of Special Topics courses: Islamic Object; Post-Impressionism; Vermeer Seminar; Architecture of the Italian Renaissance; Rodin to Brancusi; Women Photographers; The Avant Garde; History and Theory of Abstraction; English Tradition in Painting: Hogarth; Futurism: Art, Literature, Politics, Theory; Giulio Romano; Van Eyck, Bosch and Breugel; 19th-Century American Drawings; Mexican Art. perm art history adviser

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

3 hrs 3 cr.

**ARTH 40200 - Independent Study in Art History**

GER 3/A

ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education
requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

**prereq:** perm instr.
3 hrs 3 cr.

**ARTH 49800 - Internship**

GER 3/A
Qualified undergraduates work for academic credit in professional and community art institutions.

Students must also contact and apply at the internship office, where all college-approved internships are listed. The credits earned cannot be used to fulfill the 24-credit major requirement. Three credits may be applied to the 42-credit major. A maximum of six art history Inservice credits may be applied to the degree. ARTH 11100 is the prerequisite for all advanced art history courses and may be used toward the General Education requirement for humanities and the arts (GER: Stage 2, Group D) by all students except those accepted into the 61-credit BFA program. It may not be credited toward art history major requirements.

**prereq:** perm dept. adviser
hrs TBA (1-6) cr

**Studio Art**

ARTH 11100 and ARTCR 22100 are prerequisites to all studio art classes

**ARTCR 22100 - Drawing**

Basic principles in various media and subjects. Eye/hand coordination, perceptual acuity, spatial organization; interpretation of directly observed subjects.

**prereq:** ARTCR 22100 + ARTC 10100
4 hrs 3 cr. + 5 hrs open studio

**ARTCR 22500 - Graphic Arts Workshop**

Techniques of woodcut, intaglio, lithography, silkscreen and related media.

**prereq:** ARTCR 22100 + ARTC 10100
4 hrs 3 cr. + 5 hrs open studio

**ARTCR 23500 - Painting**

Basic principles of painting. Studio practice using varied paint media, varied paint surfaces, paper and canvas.

**prereq:** ARTCR 22100 + ARTC 10100
4 hrs 3 cr. + 5 hrs open studio

**ARTCR 24000 - Watercolor Painting**

Basic principles of watercolor painting.

**prereq:** ARTCR 22100 + ARTC 10100
4 hrs 3 cr. + 5 hrs open studio
ARTCR 25100 - Sculpture

Basic principles of sculpture. Studio practice in varied materials.
*ARTC 10100 and 22100 are prerequisites to all studio courses.*
4 hrs 3 cr. + 5 hrs open studio

ARTCR 25700 - Ceramics

Introduction to pottery and ceramic sculpture, including hand forming, throwing on the wheel, glazing and kiln operation.
*ARTC 10100 and 22100 are prerequisites to all studio courses.*
4 hrs 3 cr. + 5 hrs open studio

ARTCR 27100 - Principles of Photography

Black and white photography as creative medium; camera and its functions; exposure and film development, contact printing and enlarging.
*ARTC 10100 and 22100 are prerequisites to all studio courses.*
3 hrs 3 cr. + 6 hrs open studio

ARTCR 29000 - Combined Media

An introduction to basic technologies, methods and ideas that result in ways of making art that mix and combine media. The course will emphasize the production of moving images, sounds, performance as well as still images and objects.
4 hrs + 5 hrs open studio 3 cr.

ARTCR 30100 - Advanced Studio

Student projects with emphasis on contemporary methods such as video, film, tape, conceptual art, environmental art, earth art.
*ARTC 10100 and 22100 are prerequisites to all studio courses.*
3 hrs 3 cr. + 5 hrs open studio

ARTCR 32200 - Advanced Drawing

Continued experience in drawing with emphasis on drawing from life.
*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*
prereq: ARTC 22100
4 hrs 3 cr. + 5 hrs open studio

ARTCR 32600 - Advanced Graphic Arts Workshop

Advanced study of one or more graphic art methods. Individual exploration emphasized.
*May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.*
prereq: ARTC 22500
4 hrs 2 cr. + 5 hrs open studio

ARTCR 33600 - Advanced Painting
Continued experience in painting with possible concentration upon one medium and theme. Individual exploration emphasized.

May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.

prereq: ARTC 23500
4 hrs3 cr. + 5 hrs open studio

ARTCR 35200 - Advanced Sculpture

Continued experience in sculpture with possible concentration in one material. Individual exploration emphasized.

May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.

prereq: ARTC 25100
4 hrs3 cr. + 5 hrs open studio

ARTCR 35700 - Advanced Ceramics

Continued experimentation in form, surface and techniques. Individual exploration emphasized.

May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.

prereq: ARTC 25700
4 hrs3 cr. + 5 hrs open studio

ARTCR 36000 - Special Projects

Advanced students only. Advanced projects are announced prior to registration each term. Recent examples of Special Projects courses: Color Photo; Advanced Photo Darkroom Process; Collage and Assemblage; Color as Communication; Computer Graphics; Projects in Clay; Advanced Watercolor Painting; Experiment: Photography and Graphics; Site-Specific Painting; Projects in 2-D., Digital Art, Advanced Digital Art, Video for Artists, Installation Art, Sculpture: Methods & Materials, Advanced 2-D studio Seminar, Politics & Painting, Unconventional Approaches: Drawing, 2-D,3-D,4-D Seminar, Advanced Painting Tech. & Concepts

prereq: See department
3 hrs3 cr. + 5 hrs open studio

ARTCR 37200 - Advanced Photography

Techniques and aesthetics of black and white photography; self-expression and exploration; classroom critiques.

May be repeated once. ARTC 10100 and 22100 are prerequisites to all studio courses.

prereq: ARTC 27100
3 hrs3 cr. + 6 hrs open studio

ARTCR 39000 - Combined Media

Continued experience in combined media with possible concentration in one approach and/or method. Individual exploration will be emphasized. May be repeated once (i.e., taken twice).

4 hrs + 5 hrs open studio 3 cr.

ARTCR 40200 - Independent Study in Studio Art

ARTC 10100 and 22100 are prerequisites to all studio courses.

prereq: perm instr.
1-3 hrs1-3 cr. per semester
ARTCR 40500 - Art and Current Ideas II

Lecture and discussion; a non-studio course. Topics of concern in art today as brought forth by current exhibitions. Scheduled trips to galleries and museums. Reading assignments, papers and oral reports focus on issues relative to the exhibitions.

ARTC 10100 and 22100 are prerequisites to all studio courses.

prereq: BFA students or perm dept.
3 hrs 3 cr.

ARTCR 45900 - Professional Experience in Art I

BFA majors, seniors only. Not credited toward BA degree. Advanced projects may include activities outside the college, as well as within the department.

ARTC 10100 and 22100 are prerequisites to all studio courses.

prereq: perm BFA committee at end of junior yr.
3 hrs + 15 hrs open studio 6.5 cr.

ARTCR 46000 - Professional Experience in Art II

Continuation of ARTC 45900.

ARTC 10100 and 22100 are prerequisites to all studio courses.
3 hrs + 15 hrs open studio 6.5 cr.

ARTCR 49800 - Internship

Qualified undergraduates work for academic credit in professional and community art institutions.

ARTC 10100 and 22100 are prerequisites to all studio courses.

prereq: perm dept.
hrs TBA 1-5 crs

ARTLA 10100 - Introduction to Study of Visual Experience

Introduction to conceiving and formulating ideas for visual experience. Students work in 3 different areas in day session, 2 in evening session.

6 hrs 3 cr. + 3 cr. hrs open studio

ARTLA 36018 - 2-D, 3-D, 4-D Seminar

prereq: ARTLA 10100, ARTCR 22100 and 2 200-level studio art courses, perm instr.
3 hrs 3 cr.

Programs and Courses in Asian American Studies

Asian American Studies

About the Program
The Asian American Studies Program (AASP) was established on the initiative of students and faculty in 1993. An interdisciplinary program, the AASP offers a range of courses on the history, contemporary experiences and contributions of Asian immigrants to the Americas, with close attention paid to how Asian immigrants are an integral part of the history of the United States, redefining American culture and reconstituting American society.

The AASP benefits from its location in a global city with unmatched cultural and intellectual resources and diverse and dynamic Asian populations, and contributes to the growing scholarship in the vital field of Asian American studies while also serving as a resource for New York City’s Asian American communities and community-based organizations. Faculty and students are ideally positioned to become actively involved in a field at the forefront of contemporary research and scholarship and to contribute to the growth and development of local and national Asian American communities.

The program draws its faculty and course offerings from traditional disciplines such as history, sociology, anthropology, political science, education and literature, as well as interdisciplinary fields such as American ethnic studies, women and gender studies, postcolonial studies, international human rights, and policy studies. The AASP grounds its curriculum in the firm belief that a rigorous approach to Asian American studies necessitates an alliance of these areas and methods of study.

**Programs and Courses**

Programs and Courses in Asian American Studies

**Adminsitration and Faculty**

**Department Office:**

1037 East  
(212) 772-5660  
Web site: http://www.hunter.cuny.edu/aasp

**Chair:**

Jennifer Hayashida  
1037 East  
(212) 772-5660  
jennifer.hayashida@hunter.cuny.edu

**Faculty**

Asian American Studies Faculty

**Undergraduate Minor**

**Asian American Studies Minor**

Students may minor in Asian American studies in consultation with the AASP Director or advisers. A minor consists of 12 credits in Asian American studies. Contact the AASP office for a list of qualifying courses. An Asian American studies minor will enhance the degree and career of students. It provides them with special competence in the histories...
of the diverse communities of the Asian diaspora and the critical skills with which to understand complex social issues and demographic changes. The AASP prepares students for careers in education, government and community organizations; for entrance to professional schools in areas such as law, social work, and urban planning; and for graduate study and research in the social sciences and humanities. Students majoring in nursing or the health sciences, psychology, political science, sociology, history, business, literature, art and many other areas will find Asian American studies useful, particularly when their interests include activities within Asian American communities or issues that affect Asians and Asian Americans.

Asian American Studies: Introductory Courses

For continuously updated course listings, descriptions and sample syllabi, please go to http://www.hunter.cuny.edu/aasp

ASIAN 21000 - Asians in the U.S.

PD/B
Interdisciplinary examination of Asian American experiences of discrimination and exclusion in the context of domestic and foreign U.S. policies regarding immigration, labor, and national identity. Through an examination of historical, theoretical and cultural texts, the course also looks at the impact of the current expansion of Asian American communities on America’s social, cultural, and political order.
3 hrs, 3 cr.

3 hrs3 cr.

ASIAN 22001 - Asian American Women Writers

PD/B or C
Critical examination of Asian American women’s identity formations in relation to factors such as racial ideology, global migrations of labor and capital, class status, sexuality, military conflict, constructions of family, and language.
3 hrs3 cr.

ASIAN 22012 - Asian American Literature

PD/B or C
Critical examination of literary texts by Asians in the U.S. and western diaspora, tracing Asian American literary production in order to understand how these literatures are a formative site to engage in intersectional analyses of constructions of history, citizenship, and identity.
3 hrs3 cr.

Asian American Studies: Humanities Courses

For continuously updated course listings, descriptions and sample syllabi, please go to http://www.hunter.cuny.edu/aasp
ASIAN 22004 - Arab American Literature

PD/B
Critical examination of a cross-section of literature and film/video/performance by Arab American writers and artists in an interdisciplinary investigation of the historical and contemporary experiences of Arab Americans in the United States and western diaspora.

3 hrs 3 cr.

ASIAN 22005 - South Asian Women’s Literature

PD/B or C
Close examination of literary, historical, and theoretical texts with a focus on the cultural production and social movements of South Asian women, with particular attention to how issues of race and nationalism are shaped and how they have overlapped with gender, class, sexuality, religion, and language.

3 hrs 3 cr.

ASIAN 22006 - Filipino American Literature

PD/B
Close examination of the historical and social contexts in which Philippine-American literature has evolved, the diverse aesthetics and themes of individual writers, and analysis of how issues of Philippine-American cultural production take up issues of gender, class, sexuality, religion, language, and national identity.

3 hrs 3 cr.

ASIAN 22009 - Gender and Genre in Asian American Literature and Film

PD/B, PD/C
Critical exploration of the social construction of Asian American identity in various genres: video art, prose, poetry, memoir, performance, and film. The emphasis of the course is on intersectional analyses that critically examine how race, gender, class, and sexuality inform Asian American artists' decisions regarding form and genre.

3 hrs 3 cr.

ASIAN 32001 - Nation, Self, and Asian Identity

PD/B
Critical examination of literary constructions of Asian American identity in relation to the U.S. nation-state, with particular emphasis placed upon juridical constructions of citizenship, community, and belonging.

3 hrs 3 cr.

ASIAN 32005 - Asian American Memoir

PD/B
Close examination of memory as an imagined and contested site that complicates and challenges how we constitute self and other. Students will analyze constructions of identity through Asian American narratives, and their relation to language, form and experience, including immigration and gendered narratives to transnational categories of homeland and belonging.
ASIAN 32100 - Asian American Social Protest Literature

PD/B
Deconstruction and examination of historical and contemporary Asian American literatures of social protest and resistance. Students utilize readings as a framework for initiating, planning, and executing semester-long community-based projects.

ASIAN 33008 - Muslim Diasporas

PD/B
Interdisciplinary course moving through the history of Islam and its expressions in many areas of the world (including Sufism), to the cultural identity, art, and literature of the Muslim Diaspora in the United States, their misrepresentations in the media, and fetishization by popular culture.

ASIAN 34001 - Asian Pacific American Media

PD/B
Addresses Asian Pacific American experiences of assimilation, displacement, marginalization, multiculturalism, and resistance to the cultural 'norm' within Asian Pacific communities through screening a wide range of films and videos and reviewing critical and fictional writing. Guest artists may also lecture.

ASIAN 34003 - West Asian American Literature and Film

PD/B
Interdisciplinary course that first examines the cultural, linguistic, and religious diversity of West Asia, sometimes called Central Asia and/or the Middle East, to then focus on the literature and film of their diasporic communities in the U.S.

Asian American Studies: Recent Course Offerings in the Humanities

ASIAN 33052 - Oral History, Cultural Identity and the Arts
ASIAN 39006 - Gender and Sexuality in Asian American Literature and Film
ASIAN 39016 - Ethnicity and American English
ASIAN 39018 - Asian American Poetics

ASIAN 46000 - Independent Study

Asian American Studies: Social Science Courses

For continuously updated course listings, descriptions and sample syllabi, please go to http://www.hunter.cuny.edu/aasp

ASIA 23002 - Asian American Communities and Mental Health

PD/B
Introduction to psychological experiences of Asian Americans, including historical, sociopolitical, and cultural influences that shape personality and mental health. Specific topics include stereotypes and racism, processes of acculturation and enculturation, ethnic identity development, interracial relationships, stressors and social support systems within Asian American communities, and culturally competent mental health treatment and service delivery. 3 hrs3 cr.

ASIAN 35100 - Asian American History of Labor and Politics

PD/B
This seminar explores the interconnected issues of race, class, and nationality through the study of the history of Asian immigrant labor in the U.S. in the context of American economic needs and political environment. 3 hrs3 cr.

ASIAN 39001 - International Migration

PD/B
This interdisciplinary course examines the origins and processes of migration and settlement, past and present. Includes a series of lectures by leading scholars from a variety of academic fields and immigrant communities. Topics include: immigration and labor, race and gender, social and cultural identity, immigration policy and political action, and the trans-nationalization of education and family life. 3 hrs3 cr.

ASIAN 39002 - Asian American Civil Rights and the Law
Critical examination of major immigration and civil rights laws and Supreme Court cases that have affected Asian Americans.

3 hrs 3 cr.

**ASIAN 49100 - Asian American Movement and Community Organizations**

PD/B

Semester-long analysis of the development of pan-ethnic Asian American consciousness and institutions since the late 1960s, with a focus on this movement’s impact on community organizations of Asian national sub-groups examined in the context of larger American racial and ethnic politics.

3 hrs 3 cr.

**Asian American Studies: Recent Course Offerings in Social Science**

**ASIAN 23001 - Globalization and Gender**

PD/B

3 hrs 3 cr.

**ASIAN 33001 - Chinese in the U.S.**

**ASIAN 33003 - South Asians in the U.S.**

**ASIAN 39015 - Immigration and the Economy**

3

**ASIAN 46000 - Independent Study**

**ASIAN 49000 - Immigration Policy**

PD/B

**Programs and Courses in Biological Sciences**

**Biological Sciences**

About the Department

The Department of Biological Sciences at Hunter College stresses excellence in both teaching and research. Fully equipped research laboratories are supported by major federal grants and students are strongly encouraged to become
involved in laboratory research. State-of-the-art flow cytometry and bioimaging facilities are housed within the department. They have been created and are funded by federal grants, New York State and the Center for Gene Structure and Function. The Center consists of faculty from the departments of Biological Sciences, Chemistry, Physics, Psychology and Anthropology working in the areas of biomolecular structure and function.

The core curriculum in biological sciences prepares students for admission to both graduate and medical schools and for careers in the biological sciences, including teaching and the growing industry of biotechnology. The curriculum emphasizes cell biology, molecular biology, developmental biology, genetics and neurobiology as the foundation for future careers in fields related to the biological sciences.

Career Planning

**Graduate Study** The department offers a master of arts in the biological sciences and courses taken in the MA program can later be credited toward the PhD upon acceptance into the CUNY doctoral program in biology. Interested students should obtain the Hunter College graduate catalog and contact the biology master’s program adviser.

Laboratory research under faculty supervision (see undergraduate research, below) is extremely valuable for gaining admission to graduate schools. Students planning to apply to graduate school should consult with their adviser as early in their college career as possible.

**Professional Schools** Students who plan to apply to schools of medicine, dentistry or veterinary medicine should consult with their adviser and see the preprofessional adviser in Room 812 Hunter East.

**Preparation for Teaching** In cooperation with the School of Education, the Department of Biological Sciences offers opportunities for students to prepare for a teaching career in elementary and secondary schools. Major I in biology satisfies the requirements for New York State certification of at least 30 credits for teachers in adolescent education, grades 7-12. Major II in biology satisfies the requirements for New York State certification for teachers in childhood education, grades 1-6. See the School of Education section of this catalog and consult with an adviser in the School of Education for additional information and requirements.

**Preparation for Biotechnology** Students interested in careers in the rapidly growing field of biotechnology should select Major I and consult with their adviser as early as possible. Advanced courses taken as electives should include BIOL 41000 and those special topics courses (BIOL 47000-BIOL 47100) that are most relevant to biotechnology. Qualified students are also encouraged to pursue the BA/MA Program in Biotechnology. Interested biology majors who have completed BIOL 300 should contact Dr. Patricia Rockwell as early as possible.

Programs and Courses

Programs and Courses in Biological Sciences

Administration and Faculty

**Department Office:**

927 North
(212) 772-5293
Web site: http://sonhouse.hunter.cuny.edu/

**Chair:**

Shirley Raps
927 North
Faculty

Biological Sciences Faculty

HEGIS Codes: 0401 (BA); 0499 (BA/MA in Biotechnology); 0401/1299 (BA/MA in Environmental & Occupational Health); 1223.01/0401 (BS/MA in Biotechnology)

Undergraduate Major

Biological Sciences - BA

The Department of Biological Sciences offers two major programs. Major I is for students who intend to prepare for graduate study, medicine, dentistry, secondary school teaching, biotechnology and industry. Major II is for students preparing to teach in elementary schools. Students planning to pursue Major I are strongly encouraged to declare their major as soon as possible after completing one semester of Principles of Biology.

Declared majors are assigned a permanent faculty adviser who will assist in individual curriculum planning. Students are required to meet with their adviser at least once each semester throughout their undergraduate career to discuss their program and progress.

- Biological Sciences Major I
- Biological Sciences Major II

CR/NC Policy

Only a letter grade (A, B, C, D, including + or -) will be accepted by the department in the required science and mathematics courses for the biology Major I and Major II.

Minor for other Majors

Although the minor is not required, the minor in Biological Sciences gives students a basic understanding of biology from the molecular and cellular to the organismal and population level. This includes both theoretical aspects presented in lecture as well as practical aspects presented in lab. Flexibility is built into the minor to allow students to select courses corresponding to their interests.

The minor in Biological Sciences requires BIOL 10000, BIOL 10200 or BIOL 16000 and two additional Biological Sciences courses, one of which must be at the 200 level or higher.

Number of credits: A minimum of 12 credits. Transfer credits may be applied. At least 2 courses must be taken at Hunter College.

Opportunities for Undergraduates in Biological Sciences
Undergraduate Research Students who wish to undertake a research project under the supervision of a faculty member must first obtain written permission from that faculty member and then register for BIOL 48000 – BIOL 48300. Research opportunities for undergraduates at Hunter are available in cell and molecular biology, developmental biology, neuroscience, cancer biology, AIDS, microbiology and a variety of other contemporary areas. In some cases students may be permitted to work at one of the several neighboring research institutions. Synopses of faculty research interests can be obtained in the department office or from the Department of Biological Sciences Web site (http://sonhouse.hunter.cuny.edu/). In addition, there are summer research opportunities available at Cold Spring Harbor Laboratory and Woods Hole Research Center through the Howard Hughes Medical Institute. Please note that, to qualify for departmental honors at graduation, there is a research requirement.

**Honors Work**

In order to qualify for departmental honors, students must have a departmental GPA of at least 3.5 and an overall GPA of at least 2.8. They must also satisfy a research requirement consisting of either:

(a) at least 2 credits of

**BIOL 48000 - Introduction to Experimental Biology**

GER 3/B
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.

prereq: BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.
hrs TBA1-2 cr. per sem.

**BIOL 48100 - Introduction to Experimental Biology**

GER 3/B
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.

prereq: BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.
TBA1-2 credits per semester

**BIOL 48200 - Introduction to Experimental biology**

GER 3/B
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.

prereq: BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.
TBA1-2 credits per semester

**BIOL 48300 - Introduction to Experimental Biology**

GER 3/B
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.
prereq: BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.
hrs TBA-2 cr. per sem.

or (b) at least one course chosen from among

**BIOL 37500 - Molecular Systematics**

GER 3/B
An overview of the various methods and kinds of data used in systematics, the study of organism diversity and biological relationships. Emphasis is on modern molecular and genetic approaches to identification of individual species and strains and full phylogenetic analyses of suites of species to determine their evolutionary history. The knowledge base is provided for experimental investigation of questions of current interest in phylogeny and population biology.

*prereq: BIOL 30000 or perm instr.*

3 hrs3 cr.

**BIOL 39000 - Laboratory in Cell Structure**

GER 3/B
Applications of light and electron microscopy to study of cell structure and function. Lab projects utilize thin sectioning, negative staining, scanning, darkroom printing, digital imaging and other techniques.

*prereq or coreq: BIOL 30000 or BIOL 20200 and perm instr.*

5 hrs (1 lec/demo, 4 lab)3 cr.

fall only

**BIOL 41000 - Workshop in Biotechnology**

GER 3/B
A series of laboratory-intensive experimental projects, each lasting one week or more, which introduce current research techniques and include individual participation in planning and preparation of experiments. The focus is on a broad biotechnology topic such as the isolation, cloning and expression of a gene, utilizing the techniques of molecular genetics.

*This course satisfies the research requirement for graduation with departmental honors and is a component of the interdisciplinary BS/MA (MLS/Biol) program in biotechnology.*

*prereq: BIOL 20000, 20200, perm instr.*

30 hrs/week for 4 weeks3 cr.

**Additional Information**

The research requirement includes a written report resulting from work in any of these courses.

**BA/MA Program in Biological Sciences and Adolescent Education: Biology**

This is an accelerated program leading to a BA in Biological Sciences and an MA in Adolescent Education: Biology. Undergraduates admitted to the program start graduate courses during their senior year and will be able to complete the MA degree one year after they complete the requirements for the BA degree. Interested students should contact a Biology Department adviser early in their undergraduate career.
MA Program in Biological Sciences

See Career Planning-Graduate Study.

Biological Sciences Major I

Return to: Biological Sciences-BA

Major I in Biological Sciences has the following Concentrations:

- Basic (shown below)

Three other concentrations that are slightly more rigorous than the basic Major I. Interested students should speak with a biology adviser as soon as possible to plan their courses accordingly.

- Behavioral Neurobiology
- Bioinformatics
- Biophysics

28-credit concentration in biology at the 200-level and higher

This plan consists of a 28-credit concentration in biology at the 200-level and higher, the prerequisite for which is introductory biology (BIOL 10000, BIOL 10200). The biology concentration consists of an 18-credit core — BIOL 200, 202, 300, 302 — and 10 credits of electives. Together, introductory biology and the concentration (37 cr) satisfy the major requirement for certification as a teacher of biology in grades 7-12.

18-credit core

**BIOL 20000 - Cell Biology I: Microorganisms**

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.

$10 materials fee required.

*prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.*

*coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)*

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

*fall only*

**BIOL 20200 - Cell Biology II: Eucaryotic Systems**

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.

$10 materials fee required

*prereq: BIOL 20000*  
*coreq: CHEM 22400 or perm instr.*
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology. $10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300 coreq: CHEM 22400

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes. 

$10 materials fee required.
prereq: BIOL 30000

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

Electives (10 cr)

Students may select the remainder of their credits toward Major I from advanced courses in the biological sciences. At least one course must be at the 300 level, in addition to BIOL 300 and 302.

Special-topics

At least one special-topics course must also be taken (various topics offered each semester)

BIOL 47000 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 30000

2 hrs (lec) 2 cr. per sem.

BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 300
3 hrs (lec)3 cr. per sem.

Interdisciplinary interests

Students with strong interdisciplinary interests may select the following, after approval by their adviser

- Advanced course offerings in other departments or

SCI 30200 - Ethical Conduct in the Natural and Physical Sciences

GER 3/B
Case studies of ethical issues in scientific research and education, including fraud, misrepresentation and negligence in scientific reporting. Term paper required.
Prereq: 2 yrs lab science (BIOL 10000, 10200; CHEM 10200, 10300, 10400, 10500; PHYS 11000, 12000; or equiv.) Prereq or coreq: lab research experience in natural or physical sciences
2 hrs2 cr.

Additional science and math requirements for Major I:

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
Prereq: CHEM 10200
Coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

CHEM 22200 - Organic Chemistry Lecture I
GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prereq for CHEM 2200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

CHEM 22300 - Organic Chemistry Laboratory I

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.

prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs2.5 cr.

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.

prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.

prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

or

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics
GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

Curriculum Guide for Major I

Year 1

Fall

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

CHEM 10200 - General Chemistry I
GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec)4 cr.

Spring

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
*$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.*
*prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.*
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
*spring only*

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 10200*
*coreq: CHEM 10400*
8 hrs (6 lab, 2 rec)3 cr.

Year 2

Fall

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
*$10 materials fee required.*
*prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)*
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
*prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

**CHEM 22300 - Organic Chemistry Laboratory I**

GER 3/B
Various organic syntheses, Distillation, distillation, extraction, chromatography, qualitative analysis, spectroscopy.
*prereq: CHEM 10500
prereq or coreq: CHEM 22200
5 hrs 2.5 cr.

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

**Spring**

**BIOL 20200 - Cell Biology II: Eucaryotic Systems**

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
*prereq: BIOL 20000 coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
*spring only

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
*prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

**MATH 15500 - Calculus with Analytic Geometry II**
GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

Year 3

Fall

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.
• BIOL electives (300 level)

Spring
BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.  
prereq: BIOL 30000  
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.  
spring only

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.  
prereq: PHYS 11000 or 11100  
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.  
prereq: PHYS 11000 or 11100  
prereq or coreq: (with perm dept.): MATH 15500  
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.  
• BIOL electives (300 and 400 level)

Year 4

Fall

• BIOL electives (300 & 400 level)

Spring

• BIOL electives (300 and 400 level)

Note(s)

*We recommend that math, physics and chemistry courses be completed as early as the student’s schedule allows. Note that CHEM 22400 must be taken prior to or corequisite with BIOL 30000; otherwise, instructor permission is required. Students who are behind in the chemistry sequence are urged to take advantage of the summer session, during which these chemistry courses are usually offered.

Biological Sciences Major II
For Students Planning to teach in Childhood Education, Grades 1–6

This plan consists of 26 credits in biological science, 12 credits in additional science and 6 credits in math. Major II satisfies the major requirements for certification as a teacher for grades 1-6.

This major requires 30 credits of education courses and should thus be initiated as early as possible.

Childhood education (grades 1-6) is a collateral major. See the School of Education section of this catalog for requirements.

Required Biology Courses

- BIOL 10000, BIOL 10200 (9 credits)
- Courses approved by adviser selected from the 200 or 300 level (17 credits)

Additional Math and Science Requirements for Major II

**CHEM 10000 - Essentials of General Chemistry Lecture**

GER 2/E

Essential facts, laws, and theories of general chemistry.

*Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*

4 hrs (3 lec, 1 rec)3 cr.

**CHEM 10100 - Essentials of General Chemistry Laboratory**

GER 2/E

Experiments designed to illustrate fundamental laws and techniques of general chemistry.

*Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*

prereq or coreq: CHEM 10000

4 hrs (3 lab, 1 rec)1.5 cr.

**CHEM 12000 - Essentials of Organic Chemistry Lecture**

GER 2/E

Course presents essential facts, laws and theories of organic chemistry.

*Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.*
**CHEM 12100 - Essentials of Organic Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.

**PHYS 10100 - Study of Selected Phenomena and Basic Concepts of Physics**

GER 2/E
Introductory one-semester physics course designed for non-science majors and others requiring a one-semester terminal course.

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra.

**PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.

**MATH 10400 - Mathematics for Elementary Education I**

GER 1/B
Fundamental and relevant mathematics as recommended by the NCTM for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers and number theory. Required of students planning to teach in elementary schools. Not open to other students.

**MATH 10500 - Mathematics for Elementary Education II**

GER 1/B
Continuation of MATH 10400. Continuation of the content of the mathematics recommended by the NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence and similarity.
prereq: grade of C or better in MATH 10400
3 hrs 3 cr.

Curriculum Guide for Major II

Year 1

Fall

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

**CHEM 10000 - Essentials of General Chemistry Lecture**

GER 2/E
Essential facts, laws, and theories of general chemistry.

*Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*
4 hrs (3 lec, 1 rec)3 cr.

**CHEM 10100 - Essentials of General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.

*Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec)1.5 cr.

Spring

**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only
CHEM 12000 - Essentials of Organic Chemistry Lecture

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10000
4 hrs (3 lec, 1 rec)3 cr.

CHEM 12100 - Essentials of Organic Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10100prereq or coreq: CHEM 12000
4 hrs (3 lab, 1 rec)1.5 cr.

Year 2

Fall

• BIOL electives

PHYS 10100 - Study of Selected Phenomena and Basic Concepts of Physics

GER 2/E
Introductory one-semester physics course designed for non-science majors and others requiring a one-semester terminal course.
6 hrs (3 lec, 3 lab)4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

MATH 10400 - Mathematics for Elementary Education I
GER 1/B
Fundamental and relevant mathematics as recommended by the NCTM for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers and number theory. Required of students planning to teach in elementary schools. Not open to other students.
prereq: grade of C or better in MATH 10100 or appropriate score on the placement exam
3 hrs3 cr.

- EDUC course(s)

Spring

- BIOL electives

**MATH 10500 - Mathematics for Elementary Education II**

GER 1/B
Continuation of MATH 10400. Continuation of the content of the mathematics recommended by the NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence and similarity.
prereq: grade of C or better in MATH 10400
3 hrs3 cr.

- EDUC course(s)

Years 3 and 4

Fall and Spring

- BIOL electives
- EDUC course(s)

**Biological Sciences: Concentration in Behavioral Neurobiology**

Return to: Biological Sciences Major I

The concentration in Behavioral Neurobiology within the Department of Biological Sciences, one of the options for Major I, has the following required courses and schedule.

**Required Courses**

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only
**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

**BIOL 20000 - Cell Biology I: Microorganisms**

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

**BIOL 20200 - Cell Biology II: Eucaryotic Systems**

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

**BIOL 30000 - Biological Chemistry**

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

**BIOL 30200 - Molecular Genetics**

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition;
applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.

$10 materials fee required.

prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

spring only

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

*Primarily for pre-med, medical laboratory sciences and science majors.*

prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

*Primarily for premed, medical laboratory sciences and science majors.*

prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*

prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

*prereq: prereq for CHEM 22200: CHEM 10400*
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

*prereq: prereq for CHEM 22400: CHEM 22200*
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.

**MATH 15000 - Calculus with Analytic Geometry I**
GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs 3 cr.

PSYCH 24800 - Statistical Methods in Psychological Research

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or or appropriate score on math placement exam
coreq: Writing Intensive prereq or coreq: ENGL 12000
4 hrs 4 cr.

PSYCH 25000 - Experimental Psychology: General

GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of
laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade; PSYCH 24800 with a minimum grade of C

prereq or coreq: Writing Intensive

6 hrs (2 lec, 4 lab)/4 cr.

**BIOL 47000 - Special Topics in Biology**

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

prereq: BIOL 30000

2 hrs (lec)/2 cr. per sem.

**BIOL 47100 - Special Topics in Biology**

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

prereq: BIOL 300

3 hrs (lec)/3 cr. per sem.

**Electives**

8 credits, 6 of which must be PSYCH

**PSYCH 30000 - Physiological Psychology (B)**

GER 3/B
Neural and endocrine mechanisms involved in learning, emotion, perception and other psychological processes.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000

3 hrs/3 cr.

**PSYCH 30100 - Sensation and Perception (B; C)**

GER 3/B
Open to declared majors only. Methods, theories and empirical data relating to stimulus detection, encoding and perception as a function of variables including current stimuli and past history.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs3 cr.

PSYCH 30900 - Sex and Behavior (B; D/S)

GER 3/B PD/C
Research and attitudes about sex-related behavior in human and nonhuman animals emphasizing evolutionary and neuroendocrinological processes and social-psychological processes; male-female differences and similarities, therapeutic strategy in sex-behavior pathology and sexual behavior and the law.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs3 cr.

PSYCH 32700 - Motivation (B; C)

GER 3/B
The problem of how behavior is initiated, maintained, directed and terminated. Human and non-human research evaluated.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs3 cr.

PSYCH 36900 - Drugs and Behavior (B)

GER 3/B
Neurochemical substrate of brain functioning; historical context and social ramifications of drug use.

prereq: ENGL 12000. PSYCH 24900 or 25000, PSYCH 30000 or perm instr.
3 hrs3 cr.

BIOL 37000 - Physiology of the Nervous System

GER 3/B
A comprehensive introduction to neuroscience. Topics include how nerve cells (neurons) transmit electrical impulses, how neurons communicate with each other through synapses and how nerve pathways and networks determine many functions of the brain. The last portion of the course shall explore how developing neurons seek out targets and establish synapses.

prereq: BIOL 30000 or perm instr.
4 hrs (lec)4 cr.
spring only

BIOL 37600 - Endocrinology
GER 3/B
Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of metabolism and reproduction; integration of endocrine responses by the central nervous system.
prereq: BIOL 20200 or perm instr.
3 hrs (lec)3 cr.
spring only

BIOL 38000 - Molecular Neurobiology

GER 3/B
Molecular components and molecular mechanisms involved in the cell biology of neurons and glia, neuronal signaling, neuronal development, learning, memory and diseases of the nervous system.
prereq: BIOL 30000 or perm instr.
3 lec hrs3 cr.
fall alternate years

Total: 76 Credits

Schedule

A typical timetable for graduation is presented below.

Fall (Year 1) 11.5 credits

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.
Spring (Year 1) 13.5 credits

**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology. $5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

*prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.*

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

spring only

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

*Primarily for premed, medical laboratory sciences and science majors.*

*prereq: CHEM 10200 or CHEM 10000 with perm chair*

5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*

*prereq: CHEM 10200*

*coreq: CHEM 10400*

8 hrs (6 lab, 2 rec)3 cr.

**PSYCH 10000 - Introduction to Psychology**

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

3 hrs3 cr.

Fall (Year 2) 12 credits

**BIOL 20000 - Cell Biology I: Microorganisms**

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.

$10 materials fee required.

*prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.*

*coreq: CHEM 22200, 22300 or
perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

Spring (Year 2) 12 credits

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

Fall (Year 3) 8.5 credits
BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300
coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

PSYCH 24800 - Statistical Methods in Psychological Research

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or appropriate score on math placement exam
coreq: Writing Intensive
prereq or coreq: ENGL 12000
4 hrs4 cr.

Spring (Year 3) 10.5 credits

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

PSYCH 25000 - Experimental Psychology: General

GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the
PSYCH 30000 - Physiological Psychology (B)

GER 3/B
Neural and endocrine mechanisms involved in learning, emotion, perception and other psychological processes.

*PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

*prereq: ENGL 12000. PSYCH 24900 or 25000*

3 hrs (lec)3 cr.

Fall (Year 4) 6 credits

BIOL 37600 - Endocrinology

GER 3/B
Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of metabolism and reproduction; integration of endocrine responses by the central nervous system.

*prereq: BIOL 20200 or perm instr.*

3 hrs (lec)3 cr.

Spring only

PSYCH 36900 - Drugs and Behavior (B)

GER 3/B
Neurochemical substrate of brain functioning; historical context and social ramifications of drug use.

*prereq: ENGL 12000, PSYCH 24900 or 25000, PSYCH 30000 or perm instr.*

3 hrs3 cr.

Spring (Year 4) 2 credits

BIOL 47000 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

*prereq: BIOL 30000*

2 hrs (lec)2 cr. per sem.

Biological Sciences: Concentration in Bioinformatics

Return to: Biological Sciences Major I

The requirements and schedule for the Concentration in Bioinformatics, one of the options in Biological Sciences Major I, are as follows:
Required Courses

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron mioscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000; coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and
function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.

$10 materials fee required.

prereq: BIOL 20200, CHEM 22200, 22300
coreq: CHEM 22400

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

fall only

**BIOL 30200 - Molecular Genetics**

GER 3/B

A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.

$10 materials fee required.

prereq: BIOL 30000

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

spring only

**CHEM 10200 - General Chemistry I**

GER 2/E

In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

*Primarily for pre-med, medical laboratory sciences and science majors.*

prereq or coreq: MATH 12500, 12600 or equiv.

5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E

In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

*Primarily for premed, medical laboratory sciences and science majors.*

prereq: CHEM 10200 or CHEM 10000 with perm chair

5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E

Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*

prereq: CHEM 10200
coreq: CHEM 10400

8 hrs (6 lab, 2 rec)3 cr.

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B

Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

STAT 21200 - Discrete Probability

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.
prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound
GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

Electives (10 credits)

ANTHP 30200 - Human Genetics

Analysis of distribution of contemporary human populations and microevolutionary processes that underlie human variability
prereq: ANTHP 10100, 10200, or BIOL 10200
3 hrs3 cr.

CHEM 38800 - Topics of Current Interest in Chemistry

GER 3/B
Offered subject to adequate student interest and enrollment. Taught by specialists from department faculty. The specific topic will be listed in the schedule of classes for a given semester.
prereq or coreq: CHEM 35200 and CHEM 35600 or perm instr.
3 hrs3 cr.

BIOL 42500 - Computational Molecular Biology
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of in silico biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and predication of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting. Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.

BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 300
3 hrs (lec) 3 cr. per sem.

Total Credits (72 to 74 credits)

Schedule

A typical timetable for graduation is presented below.

Fall (Year 1) 11.5 credits

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

MATH 15000 - Calculus with Analytic Geometry I
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications. 

*prereq:* grade of C or better in MATH 12500 or appropriate score on placement exam.

4 hrs 4 cr.

Spring (Year 1) 14.5 credits

**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology. 

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

*prereq:* BIOL 10000 or perm instr, MATH 10100 or equiv.

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

*Primarily for premed, medical laboratory sciences and science majors.*

*prereq:* CHEM 10200 or CHEM 10000 with perm chair

5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*

*prereq:* CHEM 10200

*coreq:* CHEM 10400

8 hrs (6 lab, 2 rec) 3 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

*prereq:* grade of C or better in MATH 15000

4 hrs 4 cr.

Fall (Year 2) 12 credits

**BIOL 20000 - Cell Biology I: Microorganisms**

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of
microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

Spring (Year 2) 7.5 credits

**CHEM 22400 - Organic Chemistry Lecture II**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

**PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

Fall (Year 3) 10.5 credits

**BIOL 30000 - Biological Chemistry**

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300
coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

CSCI 13200 - Practical UNIX and Programming, with Lab

GER 2/E
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition.
This course cannot be counted towards the CSCI major.
prereq: none
3 hrs 3 cr.

STAT 21200 - Discrete Probability

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs 3 cr.

Spring (Year 3) 6 credits

CSCI 23200 - Relational Databases and SQL Programming, with Lab

GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.
Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.
prereq: CSCI 13200
3 hrs 3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

Fall (Year 4) 5 credits


BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
_prereq: BIOL 300
3 hrs (lec)3 cr. per sem.

Spring (Year 4) 5 credits

ANTHP 30200 - Human Genetics

Analysis of distribution of contemporary human populations and microevolutionary processes that underlie human variability
_prereq: ANTHP 10100, 10200, or BIOL 10200
3 hrs3 cr.

BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
_prereq: BIOL 300
3 hrs (lec)3 cr. per sem.

Biological Sciences: Concentration in Biophysics

Return to: Biological Sciences Major I

The requirements and timetable for graduation for the Concentration in Biophysics, one of the options in the Biological Sciences Major I, are as follows:

Required Courses

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
_S5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
_prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 10200 - Principles of Biology II
GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.
$10 materials fee required
prereq: BIOL 20000
coreq: CHEM 22400 or perm instr.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300
coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.*

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
*prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.*

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
*prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.*

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.*
MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs4 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs4 cr.

PHYS 33600 - Thermodynamics and Statistical Mechanics

Study of fundamental ideas of heat, reversibility, and entropy. Introduction to statistical nature of some physical laws.
prereq: PHYS 12000 or 12100; MATH 25000
4 hrs4 cr.

PHYS 42000 - Introduction to Biophysics

A comprehensive introduction to the interface between physics and biology and the application of the techniques of physics to understanding biological systems, focusing on developing an understanding of the thermodynamics of living systems, on the physical kinematics of macromolecules and other biological structures and on the theory of physical techniques that are used in the study of biological systems.
prereq or coreq: PHYS 33000, PHYS 33600, BIOL 30000, CHEM 37600.
4 hrs 4 cr.

Electives (any 2)

BIOL 39000 - Laboratory in Cell Structure

GER 3/B
Applications of light and electron microscopy to study of cell structure and function. Lab projects utilize thin sectioning, negative staining, scanning, darkroom printing, digital imaging and other techniques.
prereq or coreq: BIOL 30000 or BIOL 20200 and perm instr.
5 hrs (1 lec/demo, 4 lab) 3 cr.
fall only

BIOL 47000 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 30000
2 hrs (lec) 2 cr. per sem.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs 3 cr.

Total Credits (77.5 to 79.5 credits)

Schedule

A typical timetable for graduation is presented below.

Fall (Year 1) 11.5 credits

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only
CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

Spring (Year 1) 14.5 credits

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation;
mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 1000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series,
improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000
4 hrs4 cr.

Fall (Year 2) 13 credits

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.

$10 materials fee required.

prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prereq for CHEM 22200: CHEM 10400

5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

prereq or coreq: coreq (with perm dept.): MATH 15000

8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

Spring (Year 2) 12.5 credits

CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prereq for CHEM 22400: CHEM 22200

5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

prereq: MATH 15500

4 hrs4 cr.
**PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E  
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.  
prereq: PHYS 11000 or 11100  
prereq or coreq: (with perm dept.): MATH 15500  
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

**Fall (Year 3) 8.5 credits**

**BIOL 30000 - Biological Chemistry**

GER 3/B  
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.  
$10 materials fee required.  
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400  
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.  
fall only

**PHYS 33000 - Atomic and Nuclear Physics**

Examines experimental evidence and develops modern view of structure of atom and nucleus.  
prereq: PHYS 12000 or 12100prereq or coreq: MATH 25000  
4 hrs4 cr.

**Spring (Year 3) 8.5 credits**

**BIOL 30200 - Molecular Genetics**

GER 3/B  
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.  
$10 materials fee required.  
prereq: BIOL 30000  
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.  
spring only

**PHYS 33600 - Thermodynamics and Statistical Mechanics**

Study of fundamental ideas of heat, reversibility, and entropy. Introduction to statistical nature of some physical laws.  
prereq: PHYS 12000 or 12100; MATH 25000  
4 hrs4 cr.

**Fall (Year 4) 4 credits**
PHYS 42000 - Introduction to Biophysics

A comprehensive introduction to the interface between physics and biology and the application of the techniques of physics to understanding biological systems, focusing on developing an understanding of the thermodynamics of living systems, on the physical kinematics of macromolecules and other biological structures and on the theory of physical techniques that are used in the study of biological systems.

prereq or coreq: PHYS 33000, PHYS 33600, BIOL 30000, CHEM 37600.
4 hrs 4 cr.

Spring (Year 4) 5 credits

BIOL 39000 - Laboratory in Cell Structure

GER 3/B
Applications of light and electron microscopy to study of cell structure and function. Lab projects utilize thin sectioning, negative staining, scanning, darkroom printing, digital imaging and other techniques.

prereq or coreq: BIOL 30000 or BIOL 20200 and perm instr.
5 hrs (1 lec/demo, 4 lab) 3 cr.
fall only

BIOL 47000 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.

prereq: BIOL 30000
2 hrs (lec) 2 cr. per sem.

Undergraduate Major/Graduate Major

Biological Sciences with Specialization in Biotechnology - Accelerated BA/MA

In this five-year program, qualified biology majors begin graduate work as seniors and receive the MA one year after completing BA requirements. Students are provided with theoretical knowledge and skills in molecular biology and a foundation for application of these skills in careers in the biotechnology and pharmaceutical industries, academic research, or public health. Successful completion of the biotechnology workshop (BIOL 41000/610), an essential program component, entitles students to a summer internship in an industrial or private research laboratory. Interested biology majors should contact a departmental adviser as early as possible.

Biological Sciences/Environmental and Occupational Health Sciences - Accelerated BA/MS

This is an accelerated program leading to a BA in biology and an MS in environmental and occupational health sciences in five years. Biology majors admitted to the program start graduate work in their senior year. Interested
students should contact a departmental adviser early in their undergraduate studies, as well as the office of the director of the Environmental and Occupational Health Sciences Program at the Brookdale Campus. The program provides biology majors with a career option in public health.

Medical Laboratory Sciences with Specialization in Biotechnology - Accelerated BS/MA

See the Medical Laboratory Sciences section.

Astronomy: Courses Less Frequently Offered

BIOL 22000 - Topics in Genetics and Evolution

GER 3/B
prereq: BIOL 10000 or equiv.
3 hrs3 cr.
spring only

Biological Sciences

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only
BIOL 12000 - Anatomy and Physiology I

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.

Not accepted for credit toward the biology major.

prereq: CHEM 10000, 10100
coreq: CHEM 12000, 12100
6 hrs (3 lec, 3 lab) 4.5 cr.
fall only

BIOL 12200 - Anatomy and Physiology II

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.

Not accepted for credit toward the biology major.

prereq: BIOL 12000 or equiv.
6 (3 hrs lec, 3 hrs lab) 4.5 cr.
spring only

BIOL 12500 - Human Biology

GER 2/E

An introductory laboratory course for non-biology majors. Explores the biology that underlies current health and disease topics (including diabetes, cancer, sexually transmitted diseases, nutrition). Using a topics approach, the course provides a survey of human anatomy and physiological function, along with the biological principles of genetics and cellular interactions that comprise our current understanding of the human organism. Laboratory exercises will introduce students to a scientific approach in studying human disease and physiology. The credits from this course will not count towards the Biology Major.
6 hrs 4.5 cr.

BIOL 15000 - CSI: HUNTER (Forensic Biology)

GER 2/E

An introductory laboratory course for non-biology majors. This lecture/laboratory course will cover the techniques used by forensic scientists to analyze a crime scene, and the biological concepts behind them. Through the topics that are covered, students will learn how biological evidence like fingerprints, hair, blood, and DNA are collected, analyzed, and presented as evidence to solve crimes.
6 hrs 4.5 cr.

BIOL 16000 - Honors Principles of Biology II

GER 2/E PD/C or D

Physiological systems and their regulation: internal transport, hormones and gas exchange in plants and animals; osmoregulation; motility; nervous, neuroendocrine, immunological and sensory systems; behavior, reproduction and ecology. Students will read reviews of current research in addition to the required text. Guest speakers and class presentations.

Enrollment limited. Core credit awarded only if BIOL 10000 and 16000 are both completed. PD credit awarded only upon completion of BIOL 10000 and 16000.

prereq: grade of B or better in BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only
BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.

$10 materials fee required.

prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.
coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

fall only

BIOL 20200 - Cell Biology II: Eucaryotic Systems

GER 3/B
Structure and function of eucaryotic cells and organelles; membrane systems, cell cycle, cell division, signaling, cytoskeletal systems, motility; specialized cells; modern research tools and approaches. Laboratories include plant and animal cell culture; studies of cell division, the cytoskeleton, motility; light and electron microscopic methods; fluorescence labeling; protein electrophoresis, immunoblotting and immunolocalization.

$10 materials fee required

prereq: BIOL 20000

coreq: CHEM 22400 or perm instr.

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

spring only

BIOL 23000 - Fundamentals of Microbiology

GER 3/B
Topics include scope, historical aspects, taxonomy, survey of the microbial world, viruses, infectious diseases, control of microorganisms and immunology. Required for admission to the nursing program.

Not accepted for credit toward the biology Major I.

prereq: CHEM 10000, 10100, 12000, 12100 or equiv; BIOL 12200

5 hrs (2 lec, 3 lab)3 cr.

spring only

BIOL 25000 - Current Topics in the Biosciences (W)

GER 3/B
Seminar for non-science majors focusing on topics of current relevance such as the science of emerging diseases, bioterrorism, genetic engineering, stem cell research and global warming. Coverage includes the social, legal, political and ethical issues associated with each topic.

Not accepted for credit toward biology Major I.

prereq: ENGL 12000 or equiv, 2 sems intro lab science or equiv, or perm instr
coreq: ENGL 12000 or equiv, 2 sems intro lab science or equiv, or perm instr.

3 hrs3 cr.

fall only

BIOL 28000 - Biochemistry of Health and Nutrition

GER 3/B
Basic biochemistry in areas related to human health and nutrition. Designed for students in the dietetics program.

(Not accepted for credit toward biology Major I.)
BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.

$10 materials fee required.

prereq: BIOL 20200, CHEM 22200, 22300

coreq: CHEM 22400

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

fall only

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.

$10 materials fee required.

prereq: BIOL 30000

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

spring only

BIOL 30600 - Developmental Biology

GER 3/B
Major topics include molecular and cellular mechanisms of early embryonic development in amphibians, mammals and model organisms such as Drosophila, as well as the related subjects of vertebrate organ system development, biology of stem cells and animal cloning. Emphasis is placed on seminal and current research in cell-cell communication, signal transduction and differential gene regulation in developmental processes.

prereq: BIOL 30000

3 hrs (lec) 3 cr.

fall only

BIOL 32200 - Evolution

GER 3/B
Modern synthetic theory, genetic basis of variation, gene pool in populations.

prereq: BIOL 30000

3 hrs (lec) 3 cr.

BIOL 35000 - Cancer Biology

GER 3/B
Control of cell division examined in the context of cancer, which is the loss of this control. Topics include: cell culture, the cell cycle, hormones, receptors, intracellular signal transduction, oncogenes, tumor suppressor genes and the
etiology of human cancer.

prereq: BIOL 20200, 30000, or perm instr.

3 hrs (lec)3 cr.

spring alternate years

**BIOL 36000 - Cellular and Molecular Immunology**

GER 3/B

Study of the immune system from a molecular perspective. Molecular genetics of antibody and T cell receptor diversity, hematopoiesis and lymphocyte development, humoral and cellular immunity, histocompatibility.

prereq or coreq: BIOL 30000, perm instr.

4 hrs (3 lec, 1 disc)3.5 cr.

fall only

**BIOL 37000 - Physiology of the Nervous System**

GER 3/B

A comprehensive introduction to neuroscience. Topics include how nerve cells (neurons) transmit electrical impulses, how neurons communicate with each other through synapses and how nerve pathways and networks determine many functions of the brain. The last portion of the course shall explore how developing neurons seek out targets and establish synapses.

prereq: BIOL 30000 or perm instr.

4 hrs (lec)4 cr.

spring only

**BIOL 37500 - Molecular Systematics**

GER 3/B

An overview of the various methods and kinds of data used in systematics, the study of organism diversity and biological relationships. Emphasis is on modern molecular and genetic approaches to identification of individual species and strains and full phylogenetic analyses of suites of species to determine their evolutionary history. The knowledge base is provided for experimental investigation of questions of current interest in phylogeny and population biology.

prereq: BIOL 30000 or perm instr.

3 hrs3 cr.

**BIOL 37600 - Endocrinology**

GER 3/B

Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of metabolism and reproduction; integration of endocrine responses by the central nervous system.

prereq: BIOL 20200 or perm instr.

3 hrs (lec)3 cr.

spring only

**BIOL 38000 - Molecular Neurobiology**

GER 3/B

Molecular components and molecular mechanisms involved in the cell biology of neurons and glia, neuronal signaling, neuronal development, learning, memory and diseases of the nervous system.

prereq: BIOL 30000 or perm instr.
BIOL 39000 - Laboratory in Cell Structure

GER 3/B
Applications of light and electron microscopy to study of cell structure and function. Lab projects utilize thin sectioning, negative staining, scanning, darkroom printing, digital imaging and other techniques.

prereq or coreq: BIOL 30000 or BIOL 20200 and perm instr.

5 hrs (1 lec/demo, 4 lab)3 cr.

BIOL 40000 - Special Topics in Advanced Laboratory Techniques

GER 3/B
Advanced laboratory techniques used in contemporary biological research, including areas such as immunology, microbiology and molecular neurobiology. Topics change from term to term.

prereq: BIOL 30000 or perm instr.

4 hrs (lab)2 cr

BIOL 41000 - Workshop in Biotechnology

GER 3/B
A series of laboratory-intensive experimental projects, each lasting one week or more, which introduce current research techniques and include individual participation in planning and preparation of experiments. The focus is on a broad biotechnology topic such as the isolation, cloning and expression of a gene, utilizing the techniques of molecular genetics.

This course satisfies the research requirement for graduation with departmental honors and is a component of the interdisciplinary BS/MA (MLS/Biol) program in biotechnology.

prereq: BIOL 20000, 20200, perm instr.

30 hrs/week for 4 weeks4 cr

BIOL 42500 - Computational Molecular Biology

GER 3/B
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of in silico biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and prediction of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting.

Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.

BIOL 45000 - Individual Tutorial in Biology

GER 3/B
May be taken only once. Research paper written under the direction of a full-time faculty member in department of
biological sciences.
prereq: 18 credits in biology, approval of adviser in addition to the sponsor
1-2 cr.

BIOL 46000 - Introduction to Planning and Teaching of Laboratory Work in Biology

GER 3/B
Participation in discussions and assisting in the teaching of laboratories in an introductory course, or peer mentoring in the undergraduate biological sciences research techniques facility.
prereq: 16 credits in BIOL, 12 credits in CHEM, 2 letters from faculty
5 hrs (2 planning, 3 lab)2 cr.

BIOL 47000 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 30000
2 hrs (lec)2 cr. per sem.

BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 300
3 hrs (lec)3 cr. per sem.

BIOL 48000 - Introduction to Experimental Biology

GER 3/B
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.
prereq: BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.
hours TBA1-2 cr. per sem.

BIOL 48100 - Introduction to Experimental Biology

GER 3/B
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.
prereq: BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.
TBA1-2 credits per semester

BIOL 48200 - Introduction to Experimental biology

GER 3/B
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits
satisfies the research requirement for graduation with departmental honors.

prereq: BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.  
TBA1-2 credits per semester

BIOL 48300 - Introduction to Experimental Biology

GER 3/B  
Laboratory research under guidance of faculty member. Work at another institution may be permitted in some cases, under auspices of a faculty member. Written report required upon completion of research. A minimum of 2 credits satisfies the research requirement for graduation with departmental honors.

prereq: BIOL 10000 and 10200, BIOL 20000 or 20200 (or the equiv), written perm instr. prior to reg.  
hrs TBA1-2 cr. per sem.

Biological Sciences: Courses Less Frequently Offered

BIOL 20800 - Ecology

GER 3/B

BIOL 25200 - Comparative Anatomy of the Vertebrates

GER 3/B

BIOL 33500 - Comparative Animal Physiology

GER 3/B

BIOL 34000 - Plant Physiology

GER 3/B

Programs and Courses in Chinese

Chinese Language and Literature - BA

Return to Classical and Oriental Studies

Major

The major in Chinese language and literature consists of 24 credits chosen from the following CHIN-prefixed courses:

CHIN 20100 - Intermediate Chinese I

Reading of literature in baihua (vernacular style) with emphasis on structural use of “function words” and vocabulary-building.
prereq: CHIN 10200 or equiv.
3 hrs3 cr.
offered fall

**CHIN 20200 - Intermediate Chinese II**

Continued reading of literature in baihua.
prereq: CHIN 20100 or equiv.
3 hrs3 cr.
offered spring

**CHIN 30100 - Journalistic Chinese Literature I**

Intensive reading of literature and essays written in journalistic style.
prereq: CHIN 20200 or equiv.
3 hrs3 cr.
offered fall

**CHIN 30200 - Journalistic Chinese Literature II**

Intensive reading and translation of literature written in journalistic style.
prereq: CHIN 30100 or equiv.
3 hrs3 cr.
offered spring

**CHIN 30300 - Classical Chinese Literature I**

Intensive study of literature written in wenyan or classical style, with attention to basic structures of literary styles.
prereq: CHIN 20200 or equiv.
3 hrs3 cr.
offered fall

**CHIN 30400 - Classical Chinese Literature II**

Continuation of CHIN 303. Selected readings in literature written in wenyan or classical style.
prereq: CHIN 303 or equiv.
3 hrs3 cr.
offered spring

**CHIN 30700 - Classical Chinese Poetry**

PD/A
Close textual and stylistic analysis of texts selected from standard verse forms, with emphasis on Tang shi.
prereq: CHIN 30400 or equiv.
3 hrs3 cr.

**CHIN 40100 - Advanced Studies in Chinese Literature**
Including 20th-century literature, poetry; etymology and vocabulary building; Chinese-English translation.

**CHIN 30200 - Independent Study in Chinese Literature**

Independent study and research in Chinese literature under supervision of a faculty member.

*For majors only.*

**Prerequisites:** CHIN 30100, perm chair.

3 hrs 3 cr.

**CHIN 40200 - Independent Study in Chinese Literature**

Independent study and research in Chinese literature under supervision of a faculty member.

*For majors only.*

**Prerequisites:** CHIN 40100, perm chair.

3 hrs 3 cr.

**Preparation for Teaching Chinese in Grades 7-12**

Students preparing to teach Chinese must complete a 30-credit major option for teaching that includes the 24-credit sequence taken by non-teaching majors plus 9 additional credits: CHIN 39900 and 6 credits in Chinese language and literature at the 300 or 400 level. Students interested in teaching Chinese in New York schools should take the 23-credit pedagogical sequence for grades 7-12; this sequence may count toward the course requirements for New York State certification, but will not by itself be sufficient for certification. Students interested in a teaching career should consult with the School of Education.

**Minor in Chinese**

The minor in Chinese consists of 12 credits. Students must take 4 courses at or above the CHIN 200 level taught in Chinese. Course prerequisites must be satisfied. Internships and independent studies do not count toward the minor. Consult the Chinese program adviser for appropriate course recommendations.

**Advanced Placement and Exemptions**

Students who elect to take Chinese as their required language and have studied the language abroad or at home must consult the head of the Chinese Division for advanced placement or exemptions. The Chinese program does not offer proficiency tests.

**Electives**

All courses, unless otherwise stated in course descriptions, are open to qualified students majoring in other disciplines.

**Chinese: Other Courses**

**Language Courses**

**CHIN 10100 - Elementary Chinese I**

Beginning course in Mandarin.

*CHIN 10100 not credited without CHIN 10200.*

3 hours 3 credits

offered fall

**CHIN 10200 - Elementary Chinese II**
Beginning course in Mandarin.

**CHIN 10500 - Chinese Writing System and Calligraphy I**

Beginning course in learning the basics about writing Chinese characters, methods of analysis, and mastery of common radicals and characters.

**CHIN 10600 - Chinese Writing System and Calligraphy II**

Continued instruction in topics related to the development of Chinese scripts, printing, and calligraphy, and mastery of additional common characters.

**CHIN 30600 - 20th-century Chinese Literature**

PD/A

Selected readings of leading thinkers and writers.

**CHIN 39900 - Second Language Acquisition**

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.

**Chinese Culture and Literature in Translation**

**CHIN 11100 - Chinese Culture I**

GER 2/C PD/A

Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English.

**CHIN 11200 - Chinese Culture II**

GER 2/C PD/A

Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.

**CHIN 21100 - Topics in Chinese Culture**
Topics include Chinese religion, Buddhism, archaeology, Daoism and theatre.
3 hrs 3 cr.

CHIN 25100 - Topics in Chinese Literature in English Translation (W)

GER 2/C
Including 20th-century literature, contemporary literature.
prereq: ENGL 12000
3 hrs 3 cr.

CHIN 35500 - Classical Chinese Fiction in English Translation (W)

GER 3/A PD/A
Introduction to Chinese fictional writings from early times to 19th century, e.g., Dream of the Red Chamber, Monkey, All Men Are Brothers, Romance of the Three Kingdoms.
prereq: ENGL 12000
3 hrs 3 cr.

CHIN 35700 - Chinese Poetry in English Translation (W)

GER 3/A PD/A
Major poets from the earliest times to the present day, with emphasis on the Tang period.
prereq: ENGL 12000
3 hrs 3 cr.

Programs and Courses in Classical & Oriental Studies

Classical and Oriental Studies

About the Department

The Department of Classical and Oriental Studies offers programs in: Arabic, Chinese Language and Literature, Classics, Hebrew, Japanese, and Russian and Slavic Studies.

Department Chair

Tamara M. Green
1425 West
(212) 772-5061
tgreen@hunter.cuny.edu

Arabic Language, Literature, and Culture

A Division of the Department of Classical and Oriental Studies

Here at Hunter we teach Arabic as the living language used on a daily basis by more than two hundred million people, from Morocco in the west of the Arab world to Oman in the east. We focus on both formal — usually referred to as
Modern Standard Arabic (MSA) or Fusha — and informal Arabic. We do this via a communicative approach. In other words, instead of focusing on the translation of written texts, as Arabic has traditionally been taught, we teach our students how to read, speak, write and aurally comprehend the different registers of the language. We offer a 6-course sequence of language courses and a growing number of culture courses taught in English. Four semesters of Arabic or the equivalent fulfills the language requirement of Hunter. We also offer two minors: Arabic and Arabic Studies.

**Programs and Courses**

Arabic Programs and Courses

**Faculty and Administration**

Division Head: Christopher Stone  
Division Office: 1303 Hunter West  
Web site: http://www.hunter.cuny.edu/classics/arabic/

**Chinese Language and Literature**

A Division of the Department of Classical and Oriental Studies

The Chinese Division of the Department of Classical and Oriental Studies offers language courses in Modern Chinese (Mandarin) and Classical Chinese as well as courses taught in English on traditional and modern Chinese literature and culture. The program, which offers a major and minor, focuses on language acquisition and literacy development to help students attain professional language proficiency. It also introduces students to the civilization of China. Students are encouraged to take interdisciplinary courses in Chinese art, economics, history, political science and religion to develop a deeper understanding of past and present China. The program prepares students for further studies in graduate school and professional careers in international trade, education, government service, diplomacy, private business, journalism and related fields.

**Programs and Courses**

Chinese Language and Literature BA

**Faculty and Administration**

Division Head: Der-Lin Chao  
Division Office: 1429 West  
Web site: http://www.hunter.cuny.edu/classics/chinese/  
Hegis Code: 1107

**Classics**

A Division of the Department of Classical and Oriental Studies

The civilizations of ancient Greece and Rome have had a profound influence on the development of our own culture. The various expressions of human experience that are revealed through our literature and art, in our political and social institutions, and even in our language, all show the the impact of the legacy of the classical world.
The Classics Division of the Department of Classical and Oriental Studies offers a full range of studies in the worlds of ancient Greece, Rome, and the Mediterranean, from a single course in myth or etymology to majors in Greek, Latin, classical archaeology, or classical studies. Students who want to know about the classical world without learning its languages can choose from a variety of courses in civilization, literature in translation, myth and religion, and archaeology. In addition, the division participates in Hunter’s interdepartmental programs in religion, comparative literature, archaeology, and women and gender studies.

Careers in research, government and education use skills developed in classical studies, and a major in classics provides an excellent foundation for many professional programs such as law. In addition, specialized careers—such as college and high school teaching, museum work, and archival research—are open to professional classicists and archaeologists.

**Programs and Courses**

- Greek - BA
- Latin - BA
- Greek and Latin - BA
- Classical Studies - BA
- Classical Archaeology (Interdepartmental) - BA

**Faculty and Administration**

Division Office: 1425 West (212) 772-4960  
Division Head: Robert Koehl  
Web site: [http://www.hunter.edu/classics](http://www.hunter.edu/classics)  
HEGIS Codes: 1110 (Greek); 1109 (Latin); 1504 (Latin and Greek); 1504 (Classical Studies); 2203 (Archaeology)

**Hebrew**

A Division of the Department of Classical and Oriental Studies

The Hebrew Division of the Department of Classical and Oriental Studies offers a program of Hebrew language, literature and culture spanning the ancient through the modern periods. This program is designed to develop language skills, cultivate a critical appreciation of Hebraic and Judaic literature and thought and promote an understanding of Jewish cultural tradition against the background of world civilization. These courses may be applied to satisfy foreign language and other components of the General Education Requirement as well as to fulfill major and minor concentrations.

This curriculum also meets the special needs of students majoring in other disciplines for courses dealing with the Hebraic or Judaic elements and influences on European culture. The wide variety of course offerings, covering the entire range of Hebraic and Judaic culture from early Biblical times to modern Israel, enables students to concentrate their attention on one major period, to aim for an overall proficiency or to strive for both objectives simultaneously.

**Programs and Courses**

Hebrew - BA
Japanese Language and Culture

Japanese is one of the languages that can be used to meet the Foreign Language requirement of the GER. The Japanese culture courses offered meet PD/A.

Japanese Language/Culture Courses

Russian and Slavic Studies

A Division of the Department of Classical and Oriental Studies

The Russian and Slavic Studies division of the Department of Classical and Oriental Studies offers a rich curriculum designed for students who seek competence in spoken and written Russian and a solid background in and knowledge of Russian literature and culture. The division also offers courses in two related Slavic languages, Polish and Ukrainian.

Courses in the division are recommended to students from other disciplines who want to master the Russian language as a research tool or who seek to learn about Russian literature in translation. The important contributions being made by Russian scholars in chemistry, biology, mathematics and other related fields make the study of Russian especially valuable to science majors.

Russian majors find employment in U.S. governmental agencies, the United Nations, broadcasting, banking, international commerce, education, library services and other fields.

Programs and Courses

Russian - BA

Faculty and Administration

Division Office: 1330 Hunter West; (212) 772-5060/5059
Division Head: Nadya Peterson  email: npeterso@hunter.cuny.edu
Web site: http://www.hunter.cuny.edu/classics/russian/
HEGIS Code: 1106

Faculty for All Divisions of Classical and Oriental Studies

Classical and Oriental Studies Faculty
Undergraduate Major

Chinese Language and Literature - BA

Return to Classical and Oriental Studies

Major

The major in Chinese language and literature consists of 24 credits chosen from the following CHIN-prefixed courses:

**CHIN 20100 - Intermediate Chinese I**

Reading of literature in *baihua* (vernacular style) with emphasis on structural use of “function words” and vocabulary-building.

*prereq: CHIN 10200 or equiv.*

3 hrs 3 cr.

offered fall

**CHIN 20200 - Intermediate Chinese II**

Continued reading of literature in *baihua*.

*prereq: CHIN 20100 or equiv.*

3 hrs 3 cr.

offered spring

**CHIN 30100 - Journalistic Chinese Literature I**

Intensive reading of literature and essays written in journalistic style.

*prereq: CHIN 20200 or equiv.*

3 hrs 3 cr.

offered fall

**CHIN 30200 - Journalistic Chinese Literature II**

Intensive reading and translation of literature written in journalistic style.

*prereq: CHIN 30100 or equiv.*

3 hrs 3 cr.

offered spring

**CHIN 30300 - Classical Chinese Literature I**

Intensive study of literature written in *wenyan* or classical style, with attention to basic structures of literary styles.

*prereq: CHIN 20200 or equiv.*

3 hrs 3 cr.

offered fall
CHIN 30400 - Classical Chinese Literature II

Continuation of CHIN 303. Selected readings in literature written in wenyan or classical style.

prereq: CHIN 303 or equiv.

3 hrs 3 cr.

offered spring

CHIN 30700 - Classical Chinese Poetry

PD/A

Close textual and stylistic analysis of texts selected from standard verse forms, with emphasis on Tang shi.

prereq: CHIN 30400 or equiv.

3 hrs 3 cr.

CHIN 40100 - Advanced Studies in Chinese Literature

Including 20th-century literature, poetry; etymology and vocabulary building; Chinese-English translation.

prereq: CHIN 30200 or equiv, perm chair

3 hrs 3 cr.

CHIN 40200 - Independent Study in Chinese Literature

Independent study and research in Chinese literature under supervision of a faculty member.

For majors only.

prereq: CHIN 40100, perm chair

3 hrs 3 cr.

Preparation for Teaching Chinese in Grades 7-12

Students preparing to teach Chinese must complete a 30-credit major option for teaching that includes the 24-credit sequence taken by non-teaching majors plus 9 additional credits: CHIN 39900 and 6 credits in Chinese language and literature at the 300 or 400 level. Students interested in teaching Chinese in New York schools should take the 23-credit pedagogical sequence for grades 7-12; this sequence may count toward the course requirements for New York State certification, but will not by itself be sufficient for certification. Students interested in a teaching career should consult with the School of Education.

Minor in Chinese

The minor in Chinese consists of 12 credits. Students must take 4 courses at or above the CHIN 200 level taught in Chinese. Course prerequisites must be satisfied. Internships and independent studies do not count toward the minor. Consult the Chinese program adviser for appropriate course recommendations.

Advanced Placement and Exemptions

Students who elect to take Chinese as their required language and have studied the language abroad or at home must consult the head of the Chinese Division for advanced placement or exemptions. The Chinese program does not offer proficiency tests.

Electives
All courses, unless otherwise stated in course descriptions, are open to qualified students majoring in other disciplines.

**Chinese: Other Courses**

**Language Courses**

**CHIN 10100 - Elementary Chinese I**

Beginning course in Mandarin.

*CHIN 10100 not credited without CHIN 10200.*

3 hours, 3 credits

*offered fall*

**CHIN 10200 - Elementary Chinese II**

Beginning course in Mandarin.

3 hours, 3 credits

*offered spring*

**CHIN 10500 - Chinese Writing System and Calligraphy I**

Beginning course in learning the basics about writing Chinese characters, methods of analysis, and mastery of common radicals and characters.

3 hours, 3 credits

*offered fall*

**CHIN 10600 - Chinese Writing System and Calligraphy II**

Continued instruction in topics related to the development of Chinese scripts, printing, and calligraphy, and mastery of additional common characters.

*prereq: CHIN 10500 or equivalent*

3 hours, 3 credits

*offered spring*

**CHIN 30600 - 20th-century Chinese Literature**

PD/A

Selected readings of leading thinkers and writers.

*prereq: CHIN 20200 or equiv.*

3 hrs, 3 cr.

**CHIN 39900 - Second Language Acquisition**

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.

*prereq: at least three courses at the 300 level in the language, ENGL 12000*

3 hrs, 3 cr.

**Chinese Culture and Literature in Translation**
CHIN 11100 - Chinese Culture I

GER 2/C PD/A
Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English. 
3 hrs3 cr.

CHIN 11200 - Chinese Culture II

GER 2/C PD/A
Emphasis on modern transformation against background of classical tradition. Lectures and readings in English. 
3 hrs3 cr.

CHIN 21100 - Topics in Chinese Culture

Topics include Chinese religion, Buddhism, archaeology, Daoism and theatre. 
3 hrs3 cr.

CHIN 25100 - Topics in Chinese Literature in English Translation (W)

GER 2/C
Including 20th-century literature, contemporary literature. 
prereq: ENGL 12000 
3 hrs3 cr.

CHIN 35500 - Classical Chinese Fiction in English Translation (W)

GER 3/A PD/A
Introduction to Chinese fictional writings from early times to 19th century, e.g., Dream of the Red Chamber, Monkey, All Men Are Brothers, Romance of the Three Kingdoms. 
prereq: ENGL 12000 
3 hrs3 cr.

CHIN 35700 - Chinese Poetry in English Translation (W)

GER 3/A PD/A
Major poets from the earliest times to the present day, with emphasis on the Tang period. 
prereq: ENGL 12000 
3 hrs3 cr.

Classical Archaeology (Interdepartmental) - BA

Return to Classical and Oriental Studies

24 credits from the interdepartmental course pool, including

CLA 20400 - Introduction to Classical, Near Eastern, and Egyptian Archaeology (W)
GER 2/C
Introduction to ancient archaeology, including Greece and Rome, Mesopotamia, Egypt, Anatolia, and the Levant. 
prereq: ENGL 12000
3 hrs3 cr.

CLA 22000 - Aegean Archaeology (W)

GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life. 
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 22100 - Greek Archaeology (W)

GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens. 
prereq: ENGL 12000; CLA 20400
3 hrs3 cr.

CLA 22200 - Roman Archaeology (W)

GER 3/A PD/D
Etruscans, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery. 
prereq: ENGL 12000; CLA 20400
3 hrs3 cr.

• with a corequisite of 12-14 credits of Greek or Latin.

Additional Information

Offered within the interdepartmental archaeology major.

Preparation for Teaching in Grades 7-12

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.

Honors and Tutorials

Departmental honors in classics and tutorials are open only to majors.

Classics: Minors

Classical Studies

A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.
Classical Archaeology

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.

Greek

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.

Latin

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

Courses in Archaeology

**CLA 22000 - Aegean Archaeology (W)**

GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.
*prereq: ENGL 12000, CLA 20400*
3 hrs3 cr.

**CLA 22100 - Greek Archaeology (W)**

GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.
*prereq: ENGL 12000; CLA 20400*
3 hrs3 cr.

**CLA 22200 - Roman Archaeology (W)**

GER 3/A PD/D
Etruscans, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery.
*prereq: ENGL 12000; CLA 20400*
3 hrs3 cr.

**CLA 22500 - Archaeology of Egypt (W)**

GER 3/A PD/A
Sites, cultures, and styles of ancient Egypt, Giza, Thebes, Amarna; hieroglyphs, literature, tombs, religion, daily life.
*prereq: ENGL 12000, CLA 20400*
3 hrs3 cr.

**CLA 22700W - Archaeology of Eastern Mediterranean**

GER 3/A PD/A
Cyprus, Southern Anatolia, Phoenicia, and Palestine, especially in Bronze Age.
CLA 32200 - Archaeology of Mesopotamia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Mesopotamia. First villages, tombs of Ur, ziggurats, palaces, tablet literature.  
prereq: ENGL 12000, CLA 20400  
3 hrs 3 cr.

CLA 32300 - Archaeology of Anatolia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Anatolia: Catal Huyuk, Troy, the Hittites, royal tombs of Phrygia and Lycia.  
prereq: ENGL 12000, CLA 20400  
3 hrs 3 cr.

CLA 32900 - Problems in Archaeology

Exploration in depth of particular area or period in Old World archaeology. Topics vary.  
prereq: ENGL 12000, two courses in classical archaeology  
3 hrs 3 cr.

CLA 33000 - Field Seminar in Archaeology

Open to majors only. Fieldwork, undertaken during a school semester or summer, under auspices of department or in an approved program, teaching excavation, or field school.  
prereq: ENGL 12000, perm dept.  
6 cr. maximum

ANTHC 12600 - Introduction to Prehistoric Archaeology

GER 2/B  
Human social and cultural evolution from the earliest humans to the rise of the first civilizations.  
3 hrs 3 cr.  
offered every sem.

ANTHC 12700 - Introduction to Archaeological Techniques

Strategies of data collection; determination of age of deposits, environmental reconstruction, examination of artifacts.  
prereq: ANTHC 12600 or perm instr.  
3 hrs 3 cr.

ANTHC 22600 - Archaeology of Africa

GER 3/B PD/A
Prehistory; origins, adaptations, cultural evolution of early hominids; origins of agriculture, early complex societies.  
prereq: ANTHC 12600 or perm instr.  
3 hrs 3 cr.
ANTHC 22700 - Archaeology of Europe

GER 3/B PD/D
Prehistory; early hunting and gathering adaptations, beginnings of sedentary village life, development of complex societies.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 22800 - Archaeology of the Near East to 2000 BC

GER 3/B PD/A
Sociocultural development of Near East from early hunter-gatherers to first states and empires.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 23100 - Archaeology of Mesoamerica

GER 3/B
Sociocultural development from early hunter-gatherers to first pre-Hispanic states and empires.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 23200 - Archaeology of South America and the Caribbean

GER 3/B
Sociocultural development from early hunter-gatherers to first pre-Hispanic states and empires.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

ANTHC 42600 - Seminar in Archaeological Field Methods

Introduction to field methods and techniques in survey and excavation; involves weekend fieldwork on nearby sites. Depending on topic, may meet PD/B or D.
prereq: ANTHC 12600 or perm instr.
3 hrs 3 cr.

Classical Studies - BA

Return to Classical and Oriental Studies

12-14 credits of either Greek or Latin, including

GRK 10100 - Beginning Greek

GRK 101 not credited without GRK 102.
8 hrs 8 cr.
offered fall

GRK 10200 - Beginning Greek
GRK 10100 not credited without GRK 10200.  
8 hrs 8 cr.  
offered spring  
or  

**LAT 10100 - Beginning Latin**  

LAT 10100 not credited without LAT 10200.  
8 hrs 8 cr.  
offered fall  

**LAT 10200 - Beginning Latin**  

8 hrs 8 cr.  
offered spring  
- 12 credits of classics courses given in English (CLA prefix), including two courses at the 300 level  

**Note(s)**  
CLA 101 and CLA 110 do not count toward the major.  

**Preparation for Teaching in Grades 7-12**  

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.  

**Honors and Tutorials**  

Departmental honors in classics and tutorials are open only to majors.  

**Classics: Minors**  

**Classical Studies**  

A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.  

**Classical Archaeology**  

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.  

**Greek**  

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.
Latin

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

Courses in Classical Studies

CLA 10100 - Classical Mythology

GER 2/C PD/D
Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and theories.
3 hrs 3 cr.

CLA 11000 - The Greek and Latin Roots of English

GER 2/C
Elements of language structure; how languages work; elements of Latin and Greek in English vocabulary.
3 hrs 3 cr.

CLA 20100 - Greek Civilization (W)

GER 2/C PD/D
Ancient Greek culture: art and literature, religion, philosophy, economics, politics, education, and athletics.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 20200 - Hellenistic Civilization (W)

GER 3/A PD/D
The Mediterranean world after Alexander the Great: synthesis of Greek and oriental cultures.
prereq: ENGL 12000, CLA 20100 or 20400
3 hrs 3 cr.

CLA 20300 - Roman Civilization (W)

GER 2/C PD/D
Ancient Roman culture: art and literature, law, architecture, engineering, economics, popular culture, leisure activities.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 20400 - Introduction to Classical, Near Eastern, and Egyptian Archaeology (W)

GER 2/C
Introduction to ancient archaeology, including Greece and Rome, Mesopotamia, Egypt, Anatolia, and the Levant.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 21000 - The Greek and Roman Theatre (W)
GER 3/A
Components and functions of classical theatre: myth and ritual; mask and costume; staging and production; buildings.
prereq: ENGL 12000; CLA 20100 or 25000
3 hrs 3 cr.

CLA 22000 - Aegean Archaeology (W)
GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22100 - Greek Archaeology (W)
GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.
prereq: ENGL 12000; CLA 20400
3 hrs 3 cr.

CLA 22200 - Roman Archaeology (W)
GER 3/A PD/D
Etruscans, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery.
prereq: ENGL 12000; CLA 20400
3 hrs 3 cr.

CLA 22500 - Archaeology of Egypt (W)
GER 3/A PD/A
Sites, cultures, and styles of ancient Egypt, Giza, Thebes, Amarna; hieroglyphs, literature, tombs, religion, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 22700W - Archaeology of Eastern Mediterranean
GER 3/A PD/A
Cyprus, Southern Anatolia, Phoenicia, and Palestine, especially in Bronze Age.
prereq: ENGL 12000, CLA 20400
3 hrs 3 cr.

CLA 24000 - Topics in Classics
Examination of specific areas of classical culture, such as literature, language, or numismatics.
prereq: ENGL 120
3 hrs 3 cr.

CLA 25000 - Greek and Roman Tragedy (W)
GER 2/C PD/D
A study of plays of Aeschylus, Sophocles, Euripides, and Seneca in their literary, religious, and social contexts.
prereq: ENGL 12000 recom: CLA 10100
3 hrs3 cr.

CLA 25100 - Ancient Comedy (W)

GER 2/C PD/D
Aristophanes, Menander, Plautus, and Terence, with a consideration of their influence on Western comic tradition.
prereq: ENGL 12000
3 hrs3 cr.

CLA 25300 - Homer and Vergil (W)

GER 2/C PD/D
Ancient narrative song and poetry, with emphasis on the Iliad and Odyssey of Homer and the Aeneid of Vergil.
prereq: ENGL 12000 recom: CLA 10100
3 hrs3 cr.

CLA 25400 - The Ancient Novel in Translation (W)

GER 3/A PD/D
Greek and Roman prose fiction-Petronius' Satyricon, Apuleius' Golden Ass, Achilles Tatusis' Leucippe, Longus' Daphnis and Chloe, and Heliodorus' Ethiopian Tale.
prereq: ENGL 22000 or perm instr.
3 hrs3 cr.

CLA 30200 - Comparative Backgrounds of Classical Mythology (W)

GER 3/A PD/D
Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hittite, Ugaritic, and Celtic myths.
prereq: ENGL 12000; CLA 10100
3 hrs3 cr.

CLA 30300 - Religion of Ancient Greece (W)

GER 3/A
The Ancient Greek religious experience: official rites, mystery cults, oracles, personal religious belief, and practice.
prereq: ENGL 12000, CLA 10100 or 20100
3 hrs3 cr.

CLA 30400 - Pagans and Christians (W)

GER 3/A PD/D
Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 30500 - Women and Slaves in Classical Antiquity (W)
Women and slaves in Greek and Roman society and their influence on Western attitudes about sex and class.

cross-listed WGS 30500 (W)

prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 30600 - Special Studies in Ancient Greek Culture

Examination of specific areas of Greek life. Topics vary from year to year.

prereq: ENGL 12000
3 hrs3 cr.

CLA 30700 - Special Studies in Ancient Roman Culture

PD/D
Examination of specific areas of Roman life. Topics vary from year to year.

prereq: ENGL 12000
3 hrs3 cr.

CLA 30800 - Magic and Science in the Ancient World (W)

GER 3/A
The interaction of scientific and magical world views in Greek, Roman and Near Eastern antiquity from the invention of writing to the origins of alchemy.

prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 31000 - Ancient Sports and Spectacles (W)

GER 3/A PD/D
An exploration of ancient Greek and Roman sports and spectacles, focusing on evidence supplied by literary texts, archaeology, and the visual arts.

prereq: ENGL 12000; CLA 20100 or 20300
3 hrs3 cr.

CLA 32200 - Archaeology of Mesopotamia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Mesopotamia. First villages, tombs of Ur, ziggurats, palaces, tablet literature.

prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32300 - Archaeology of Anatolia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Anatolia: Catal Huyuk, Troy, the Hittites, royal tombs of Phrygia and Lycia.

prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32900 - Problems in Archaeology
Exploration in depth of particular area or period in Old World archaeology. Topics vary.
prereq: ENGL 12000, two courses in classical archaeology
3 hrs3 cr.

CLA 33000 - Field Seminar in Archaeology

Open to majors only. Fieldwork, undertaken during a school semester or summer, under auspices of department or in an approved program, teaching excavation, or field school.
prereq: ENGL 12000, perm dept.
6 cr. maximum

CLA 42100 - Independent Study in Classics

Open to majors only.
prereq: ENGL 12000, perm chair
1-3 cr.

CLA 49100 - Honors in Classics

Sr only. Individual research under direction of member of department, culminating in essay approved by Honors Committee.
prereq: ENGL 12000, perm dept.
3 hrs3 cr.

CLA 49800 - Internship

prereq: ENGL 12000, perm dept.
1-6 cr.

Greek - BA

Return to Classical and Oriental Studies

24 credits of Greek above

GRK 10100 - Beginning Greek

GRK 101 not credited without GRK 102.
8 hrs8 cr.
offered fall

GRK 10200 - Beginning Greek

GRK 10100 not credited without GRK 10200.
8 hrs8 cr.
offered spring

GRK 10700 - Beginning Greek, Intensive
Courses in Greek Above Beginning Level

**GRK 11000 - Greek Reading**

*prereq: GRK 10200 or equiv.*  
3 hrs3 cr.  
offered fall

**GRK 20200 - Plato**

*prereq: GRK 11000 or equiv.*  
3 hrs3 cr.

**GRK 20300 - Homer**

*prereq: GRK 11000 or equiv.*  
3 hrs3 cr.

**GRK 30100 - Plato II**

*prereq: GRK 20200 or equiv.*  
3 hrs3 cr.

**GRK 30200 - Euripides**

*prereq: GRK 20200 or equiv.*  
3 hrs3 cr.

**GRK 30300 - Greek Lyric Poetry**

*prereq: GRK 20200 or equiv.*  
3 hrs3 cr.

**GRK 30400 - Aristophanes and Menander**

*prereq: GRK 20200 or equiv.*  
3 hrs3 cr.

**GRK 30500 - Attic Orators**

*prereq: GRK 20200 or equiv.*  
3 hrs3 cr.

**GRK 30700 - Sophocles**
prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30800 - Aeschylus

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 30900 - Herodotus

prereq: GRK 202 or equiv.
3 hrs3 cr.

GRK 31000 - Thucydides

prereq: GRK 20200 or equiv.
3 hrs3 cr.

GRK 31100 - Advanced Readings in Greek Literature

prereq: GRK 20200 or equiv.
3 hrs3 cr.

and a corequisite of

LAT 10100 - Beginning Latin

LAT 10100 not credited without LAT 10200.
8 hrs8 cr.
offered fall

LAT 10200 - Beginning Latin

8 hrs8 cr.
offered spring

Preparation for Teaching in Grades 7-12

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.

Honors and Tutorials

Departmental honors in classics and tutorials are open only to majors.

Classics: Minors
Classical Studies

A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.

Classical Archaeology

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.

Greek

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.

Latin

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

Greek and Latin - BA

Return to Classical and Oriental Studies

18-20 credits each of Greek and Latin

(may include 101-102)

Preparation for Teaching in Grades 7-12

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.

Honors and Tutorials

Departmental honors in classics and tutorials are open only to majors.

Classics: Minors

Classical Studies

A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.

Classical Archaeology
A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.

**Greek**

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.

**Latin**

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.

**Courses in Greek and Latin**

**GRK 10100 - Beginning Greek**

*GRK 101 not credited without GRK 102.*

8 hrs8 cr.

offered fall

**GRK 10200 - Beginning Greek**

*GRK 10100 not credited without GRK 10200.*

8 hrs8 cr.

offered spring

**GRK 10700 - Beginning Greek, Intensive**

6 hrs6 cr.

offered summer

**GRK 11000 - Greek Reading**

*prereq: GRK 10200 or equiv.*

3 hrs3 cr.

offered fall

**GRK 20200 - Plato**

*prereq: GRK 11000 or equiv.*

3 hrs3 cr.

**GRK 20300 - Homer**

*prereq: GRK 11000 or equiv.*

3 hrs3 cr.

**GRK 30100 - Plato II**
prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30200 - Euripides

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30300 - Greek Lyric Poetry

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30400 - Aristophanes and Menander

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30500 - Attic Orators

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30700 - Sophocles

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30800 - Aeschylus

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30900 - Herodotus

prereq: GRK 202 or equiv.
3 hrs 3 cr.

GRK 31000 - Thucydides

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 31100 - Advanced Readings in Greek Literature

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

LAT 10100 - Beginning Latin
LAT 10100 not credited without LAT 10200.
8 hrs8 cr.
offered fall

LAT 10200 - Beginning Latin

8 hrs8 cr.
offered spring

LAT 10700 - Beginning Latin, Intensive

6 hrs6 cr.
offered summer

LAT 11000 - Latin Reading

prereq: LAT 10200 or equiv.
3 hrs3 cr.
offered fall

LAT 20100 - Ovid's Metamorphoses

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20200 - Roman Biography

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20300 - Vergil's Aeneid

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20400 - Cicero's De Senectute

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 22000 - Medieval Latin

prereq: LAT 11000 or equiv.
3 hrs3 cr.
offered summer

LAT 30200 - Roman Letter
LAT 30300 - Roman Comedy
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30400 - Roman Satire
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30500 - Vergil's Eclogues and Georgics
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30600 - Cicero
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30700 - Lucretius' De Rerum Natura
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30800 - Roman Epic
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30900 - Lyric Poetry of the Golden Age
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31000 - The Roman Novel
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31100 - Elegiac Poets
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31200 - Livy
prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31300 - Caesar

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31400 - Tacitus

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31500 - Anthology of Latin Verse

prereq: LAT 20100 or equiv.
1 hr 1 cr.

LAT 31600 - Advanced Readings in Latin Literature

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

Hebrew - BA

Return to: Classical and Oriental Studies

Placement and Exemption Students with background in the language should consult the head of the Hebrew Division for proper placement or for language exemption.

Majors

The major consists of 24 credits from courses beyond HEBR 101-102. In general, a Hebrew major is required to achieve proficiency in Biblical and/or modern Hebrew literature by successfully completing a minimum of four courses at the 300 level in Hebrew. Courses in Hebraic studies conducted in English may be applied toward partial fulfillment of the Hebrew major provided they are part of a coherent program approved by the head of the division.

Qualified students interested in a more intensive program in the field of Hebraic or Judaic studies, particularly those preparing for graduate work in such specialized areas as Semitic languages and civilizations, Jewish history, Biblical studies and archaeology, medieval or modern Hebrew literature, Near Eastern studies or religious studies, should consult a division adviser regarding additional courses and supportive studies in related fields.

Preparation for Teaching in Grades 7-12

In cooperation with the School of Education, the Program in Hebrew provides opportunities for students to prepare for a career in teaching Hebrew in grades 7-12. Students preparing to teach Hebrew must complete a 33-credit major option for teaching that includes the 24-credit sequence taken by non-teaching majors, HEBR 39900, and 6 additional credits in Hebrew language and literature at the 300 or 400 level. Students interested in teaching Hebrew in New York schools should take the 23-credit pedagogical sequence for grades 7-12. This sequence may count toward the course
requirements for New York State Certification, but will not by itself be sufficient for certification. Students interested in a teaching career should consult with the School of Education.

Minor

Two minors are offered, one in Hebrew, the other in Hebraic Studies.

Hebrew Minor

The Hebrew minor requires the successful completion of 12 credits at the 200-level or above. Courses counted toward the Hebrew minor must be either language courses or have Hebrew as their language of instruction.

Hebraic Studies Minor

The Hebraic Studies minor requires the successful completion of four HEBR literature and/or culture courses on the 200-level or above, taught in English or in Hebrew. Two Hebrew language courses other than Elementary and Intermediate Hebrew—e.g., Biblical Hebrew, Advanced Hebrew— may be used toward the minor requirement in lieu of two literature or culture courses.

Honors

Opportunity for honors work is available through HEBR 49100 - Honors Project.

Courses in Hebrew

HEBR 10100 - Elementary Hebrew I

Fundamentals of reading, pronunciation and grammar for beginners. Practice in conversation and writing. HEBR 101 not credited without HEBR 102.

3 hrs3 cr.

HEBR 10200 - Elementary Hebrew II

Continuation of HEBR 10100.
prereq: HEBR 10100 or equiv.

3 hrs3 cr.

HEBR 10300 - Intensive Elementary Hebrew

Intensive practice in basic skills of Hebrew. Course covers in one semester the material covered in the two semesters of HEBR 10100 and 10200.

6 hrs6 cr.

HEBR 10500 - Elementary Biblical Hebrew I

The first in a series of four introductory courses in the Hebrew of the Bible. No prior knowledge of Hebrew required.
Not credited without HEBR 106

3 hours3 credits
HEBR 10600 - Elementary Biblical Hebrew II

The second in a series of 4 introductory courses in Biblical Hebrew.
prereq: HEBR 105 or equivalent.
3 hours 3 credits

HEBR 20100 - Intermediate Hebrew I

Continued practice in conversational Hebrew, grammar and composition.
prereq: HEBR 10200 or equiv.
3 hrs 3 cr.

HEBR 20200 - Intermediate Hebrew II

Intensive practice in conversation, composition and grammar. Selected readings in Hebrew literature.
prereq: HEBR 20100 or equiv.
3 hrs 3 cr.

HEBR 20500 - Intermediate Biblical Hebrew I

This is the 3rd semester of a 4-semester series of Biblical Hebrew courses.
prereq: Biblical Hebrew 10600 or equivalent.
3 hours 3 credits

HEBR 20600 - Intermediate Biblical Hebrew II

This is the 4th semester of the 4-semester Biblical Hebrew series.
prereq: HEBR 20500 or equivalent.
3 hours 3 credits

HEBR 21000 - Selected Studies in Hebrew Literature in Translation

PD/C
Study of selected masterpieces or major themes in Hebrew literature in translation. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement; check with department.
3 hrs 3 cr.

HEBR 21100 - Masterpieces of Medieval Hebraic Literature in Translation (W)

GER 2/C PD/D
Selections from major works reflecting Jewish life and thought in medieval Islamic world and Christendom.
3 hrs 3 cr.

HEBR 21200 - Readings in Modern Hebrew Literature in Translation (W)

GER 2/C
Survey of Hebraic literature from Enlightenment movement to present.
3 hrs 3 cr.
HEBR 21400 - Maimonides' Guide to the Perplexed

GER 3/A PD/D
Study of this work in English with reference to Maimonides' influence on development of medieval Aristotelianism.
3 hrs 3 cr

HEBR 21500 - Hebraic and Judaic Culture and Thought in the Medieval Islamic World (W)

GER 3/A PD/A PD/D
A study of medieval Hebraic and Judaic writings from North Africa and the Middle East in English translation. Emphasis will be given to the traditional as well as the innovative aspects of the material.
prereq: ENGL 12000
3 hrs 3 cr

HEBR 21800 - Masterpieces of Yiddish Literature in Translation (W)

GER 3/A PD/D
Study of major works in Yiddish literature from Mendele Mocher Seforim to present.
prereq: ENGL 22000
3 hrs 3 cr

HEBR 22000 - Israeli Cinema

GER 3/A PD/A
Israeli cinema and the development of Israeli cultural identity. Designed for students of Hebrew studies and Film studies who are interested in the history of Israeli film and Israeli cultural identity as expressed in the Israeli cinema.

cross-listed cross-listed with FILM 21344
prereq: ENGL 12000
3 hrs 3 cr

HEBR 24000 - Introduction to the Old Testament

GER 2/C PD/A
Survey of the books of the Old Testament, their form, content and cultural background. Introduction to the tools and methods of modern biblical criticism.
3 hrs 3 cr

HEBR 25000 - Topics in Hebraic Studies

PD/C
Study in depth of a selected topic in Hebraic studies. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement; check with department.
3 hrs 3 cr

HEBR 25900 - Old Testament Religion
Comprehensive survey of ancient Israelite religious practice, expression and thought as reflected in Hebrew Bible.
3 hrs 3 cr

**HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)**

GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.
3 hrs 3 cr

**HEBR 28400 - Images of Women in the Old Testament, in Translation**

GER 3/A PD/C
Depiction of women in ancient Israelite prose and poetry. Close reading and analysis of texts in terms of literary techniques, cultural background and ideological implications.
3 hrs 3 cr.

**HEBR 28600 - Ancient Near Eastern Literature and the Bible**

GER 3/A PD/A
Comparative study of ancient Near Eastern literature and the Hebrew Bible.
3 hrs 3 cr

**HEBR 28800 - Ancient Hebraic Folklore**

GER 2/C PD/A
Analysis and comparative study of folk beliefs, practices and literature reflected in Hebrew Bible, apocryphal literature and rabbinic Aggada.
3 hrs 3 cr

**HEBR 29000 - Biblical Archaeology**

GER 2/C PD/A
Study of Biblical sources in translation in relation to major archaeological discoveries in Israel and Near East.
3 hrs 3 cr

**HEBR 29200 - The Hebrew Prophets**

GER 2/C PD/A
Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical and religious thought.
3 hrs 3 cr

**HEBR 29400 - Job, Ecclesiastes and the Human Predicament**

GER 3/A PD/A
Study of form, content and religious significance of these two enigmatic masterworks.
3 hrs 3 cr

**HEBR 29500 - Ancient Hebrew Law**
GER 2/C PD/A
Historical and comparative study of Biblical and rabinic law.
3 hrs3 cr

HEBR 29600 - The Dead Sea Scrolls in English

GER 3/A PD/A
Readings in the various genres of the scrolls; historical background of Qumran sect; significance of the scrolls for study of Judaism and Christianity.
3 hrs3 cr

HEBR 31000 - Modern Hebrew Literature I

GER 3/A PD/D
Reading and discussion of selected works in prose and poetry of 19th-century authors.
prereq: HEBR 20200 or equiv. or exemption
3 hrs3 cr

HEBR 31100 - Modern Hebrew Literature II

GER 3/A
Reading and discussion of selected works in prose and poetry of 20th-century authors.
prereq: HEBR 20200 or equiv.
3 hrs3 cr.

HEBR 31500 - Biblical Literature: Pentateuch

GER 3/A PD/A
Selections from Pentateuch.
prereq: HEBR 20200 or equiv.
3 hrs3 cr.

HEBR 31600 - Biblical Literature: Historical Books

GER 3/A PD/A
Selections from books of Joshua, Judges, Samuel and Kings.
prereq: HEBR 20200 or equiv.
3 hrs3 cr.

HEBR 31700 - Biblical Literature: Prophetic Books

GER 3/A PD/A
Selections from minor and major prophets.
prereq: HEBR 202 or equiv.
3 hrs3 cr

HEBR 31800 - Biblical Literature: Hagiographa

GER 3/A PD/A
Selections from Job, Proverbs, Psalms and the five Magillot.
**HEBR 32000 - The Modern Hebrew Short Story**

GER 3/A
Extensive reading of short stories from late 19th century to present, illustrating different literary trends.

*prereq: HEBR 20200 or equiv.
3 hrs 3 cr*

**HEBR 32100 - Talmudic Literature**

GER 3/A PD/A
Selections from Talmud and Midrash.

*prereq: HEBR 20200 or equiv.
3 hrs 3 cr*

**HEBR 32200 - Medieval Literature**

GER 3/A PD/D
Selections from literature of Golden Age in Spain.

*prereq: HEBR 20200 or equiv.
3 hrs 3 cr*

**HEBR 32300 - Poetry of the Modern Hebrew Renaissance Period**

GER 3/A PD/D
Study of major works of Bialik, Tschernichovsky, Kahan and Shneour.

*prereq: HEBR 20200 or equiv.
3 hrs 3 cr*

**HEBR 32400 - The Modern Hebrew Essay**

GER 3/A PD/D
Study of selected essays of Ahad ha'Am, Berditchevsky and Frischman.

*prereq: HEBR 20200 or equiv.
3 hrs 3 cr*

**HEBR 32500 - History of Modern Hebrew Literature**

GER 3/A
Evolution of Hebrew literature from period of Enlightenment to contemporary Hebrew letters.

*prereq: HEBR 20200 or equiv.
3 hrs 3 cr*

**HEBR 32600 - Hebrew Poetry Between the Two World Wars**

GER 3/A
Study of Hebrew poetry since World War I. Emphasis on works of Greenberg, Schlonsky, Lamdan and Alterman.
**HEBR 32700 - The Modern Hebrew Novel**

GER 3/A
Intensive study of a major novel by Agnon, Barash or Hazaz, with collateral readings in other Hebrew novels.
*prereq: HEBR 20200 or equiv.*
3 hrs 3 cr

**HEBR 32800 - Contemporary Hebrew Prose**

GER 3/A
*prereq: HEBR 20200 or equiv.*
3 hrs 3 cr

**HEBR 33100 - Medieval Hebrew Philosophic Texts**

GER 3/A
Study of selected chapters of Halevi's Kuzari and Maimonide' Moreh Nebukim (Guide to the Perplexed).
*prereq: HEBR 20200 or equiv.*
3 hrs 3 cr

**HEBR 35100 - Hebrew Grammar and Composition**

Intensive study of principles of vocalization, inflections of nouns and verbs, rules of syntax and practice in composition.
*prereq: HEBR 20200 or equiv.*
3 hrs 3 cr

**HEBR 35700 - Approaches to Main Problems in Hebraic Studies**

Explorations in depth of a particular area in Hebraic studies. May be repeated as topics vary from semester to semester.
*prereq: HEBR 20200 or equiv.*
3 hrs 3 cr

**HEBR 39900 - Second Language Acquisition**

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.
*prereq: at least three courses at the 300 level in the language, ENGL 12000*
3 hrs 3 cr

**HEBR 45100 - Selected Studies in Hebrew Literature**

PD/D
Course will concentrate on an author, theme, genre or period in Hebrew literature. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement.
prereq: HEBR 20200 or equiv, perm division

3 hrs 3 cr

HEBR 49000 - Independent Studies

Independent research under direction of a member of the division. May be repeated as topics vary from semester to semester.
prereq: permission of division head

hrs TBA 3 cr

HEBR 49100 - Honors Project

Individual study and research in Hebrew literature in consultation with staff member. Honors essay required. May be repeated as topics vary from semester to semester.
prereq: Jr/Sr only; perm division
1 sem 3 cr.

Latin - BA

Return to Classical and Oriental Studies

24 credits of Latin above

LAT 10100 - Beginning Latin

LAT 10100 not credited without LAT 10200. 
8 hrs 8 cr.
offered fall

LAT 10200 - Beginning Latin

8 hrs 8 cr.
offered spring

LAT 10700 - Beginning Latin, Intensive

6 hrs 6 cr.
offered summer

and a corequisite of
GRK 10100 - Beginning Greek

GRK 101 not credited without GRK 102.
8 hrs 8 cr.
offered fall

GRK 10200 - Beginning Greek

GRK 10100 not credited without GRK 10200.
8 hrs 8 cr.
offered spring

GRK 10700 - Beginning Greek, Intensive

6 hrs 6 cr.
offered summer

Preparation for Teaching in Grades 7-12

Students interested in a teaching career should consult with the School of Education. In addition, the department offers an MA in the teaching of Latin.

Honors and Tutorials

Departmental honors in classics and tutorials are open only to majors.

Classics: Minors

Classical Studies

A minor in Classical Studies consists of: CLA 10100, CLA 20100, CLA 20300 and one additional CLA course at the 200 or 300 level.

Classical Archaeology

A minor in Classical Archaeology consists of: CLA 20400, CLA 22100, CLA 22200 and one additional Classical archaeology course at the 200 or 300 level.

Greek

A minor in Greek consists of 12 credits beyond GRK 10100/GRK 10200 or GRK 10700.

Latin

A minor in Latin consists of 12 credits beyond LAT 10100/LAT 10200 or LAT 10700.
Courses in Latin

LAT 11000 - Latin Reading

prereq: LAT 10200 or equiv.
3 hrs3 cr.
offered fall

LAT 20100 - Ovid's Metamorphoses

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20200 - Roman Biography

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20300 - Vergil's Aeneid

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20400 - Cicero's De Senectute

prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 22000 - Medieval Latin

prereq: LAT 11000 or equiv.
3 hrs3 cr.
offered summer

LAT 30200 - Roman Letter

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30300 - Roman Comedy

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30400 - Roman Satire

prereq: LAT 20100 or equiv.
3 hrs3 cr.
LAT 30500 - Vergil's Eclogues and Georgics

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30600 - Cicero

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30700 - Lucretius' De Rerum Natura

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30800 - Roman Epic

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 30900 - Lyric Poetry of the Golden Age

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31000 - The Roman Novel

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31100 - Elegiac Poets

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31200 - Livy

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31300 - Caesar

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

LAT 31400 - Tacitus

prereq: LAT 20100 or equiv.
3 hrs 3 cr.
LAT 31500 - Anthology of Latin Verse

prereq: LAT 20100 or equiv.
1 hr 1 cr.

LAT 31600 - Advanced Readings in Latin Literature

prereq: LAT 20100 or equiv.
3 hrs 3 cr.

Russian - BA

Return to: Classical and Oriental Studies

Major

The Russian major consists of no fewer than 24 credits chosen among courses in the language beyond RUSS 10100 and RUSS 10200.

I. Russian language sequence: for students who want to acquire native fluency in spoken and written Russian and a thorough knowledge of Russian literature.

II. Russian language and culture sequence: for students whose interests lie in the arts rather than in language. With the permission of the division head, a limited number of courses in translation may be applied to the major sequence.

III. Concentration in Russian and East Central European Studies (RECE): This new concentration within the Russian program draws on a variety of disciplines in combination with courses from the Division of Russian and Slavic Studies. Requirements for RECE include Russian or Slavic language proficiency or a pre- or corequisite of 6 credits in Russian or Slavic language at the 20200 (intermediate) level or above and 18 credits distributed as follows: Russian or East Central European history (3 cr.); RECE area political science (3 cr.); Russian or East Central European literature, culture or arts (3 cr.); and three additional 200- or 300-level courses chosen from two of the following categories: anthropology, economics, geography, history, political science and literature, culture or arts. Students should select courses in consultation with their RECE adviser. In addition to their 18-to 24-credit concentration, students are strongly urged to choose 12 minor credits from disciplines related to RECE.

Electives

All courses offered by the Russian Division are open to qualified students for elective credit.

Preparation for teaching in Grades 7-12

In cooperation with the School of Education, the program in Russian provides opportunities for students to prepare for a career in teaching Russian in grades 7-12. Students preparing to teach Russian must complete a 33-credit major option for teaching that includes the 24-credit sequence taken by non-teaching majors plus 9 additional credits: RUSS 39900 and 6 additional credits in Russian language and literature at the 300 or 400 level. Students interested in teaching Russian in New York Schools should take the 23-credit pedagogical sequence for grades 7-12. This sequence may
count toward the course requirements for New York State Certification, but will not by itself be sufficient for
certification. Students interested in a teaching career should consult with the School of Education.

**Minor in Russian**

The minor in Russian consists of no fewer than 12 credits. Courses taken toward the Russian minor could follow two
tracks: the Russian language minor or the Russian literature and culture minor.

Students wishing to minor in Russian should either pass a proficiency test or take the language sequences of

**RUSS 10100 - Elementary Russian**

Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 101 not credited without
RUSS 102.

*2 sems, 3 hrs each sem.*

**RUSS 10200 - Elementary Russian**

Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 10100 not credited
without RUSS 10200.

*2 sems, 3 hrs each sem.*

**RUSS 20100 - Intermediate Russian I**

Selected readings in prose. Continued practice in written and spoken Russian. Grammar review.

*prereq: RUSS 10200 or 10300*

*3 hrs*

**RUSS 20200 - Intermediate Russian II**

Selected readings in Russian literature. Practice in oral and written expression.

*prereq: RUSS 20100*

*3 hrs*

-or-

**RUSS 10300 - Elementary Russian for Heritage Speakers (Intensive)**

Intensive study of the Russian language for heritage speakers who seek to gain literacy in the language. Two semesters
in one.

*6 hrs*

**RUSS 20300 - Intermediate Russian for Heritage Speakers Intensive)**

Intensive study of the Russian language for heritage students who seek to improve literacy in the language. Not open to
students who have taken RUSS 20100 RUSS 20200 sequence. Two semesters in one.
Prerequisite: RUSS 10300 or instructor’s permission.
6 hrs 6 cr.

Track I: Russian Language Minor

Prerequisite

RUSS 20200 - Intermediate Russian II

Selected readings in Russian literature. Practice in oral and written expression.
Prerequisite: RUSS 20100
3 hrs 3 cr.

... Students are expected to take...

RUSS 30100 - Advanced Russian I

Speaking, writing and reading Russian. Sentence structure; oral and written reports.
Prerequisite: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 30200 - Advanced Russian II

GER 3/A
Reading and critical analysis of selected literary and journalistic texts. Consideration of levels of style, problems of idiom and syntax. Written and oral reports.
Prerequisite: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31700 - Practical Aspects of Translation

Introduction to techniques of translation. Translations of political, journalistic, commercial, scientific and literary texts.
Prerequisite: RUSS 20200 or equiv.
3 hrs 3 cr.

-or-

RUSS 31800 - Advanced Translation

Continuation of RUSS 317 on an advanced level. Further development of skills in translating diverse materials from Russian to English and from English to Russian.
Prerequisite: ENGL 12000, RUSS 31700 or equiv; RUSS 20200 or equiv.
3 hrs 3 cr.

-or-

RUSS 31900 - Business Russian

Increase mastery of Russian vocabulary, style and syntax for translating and composing diverse business materials in such fields as finance, insurance, litigation, advertising and labor relations. Conducted in Russian.
prereq: RUSS 20200 or equiv.
3 hrs3 cr.
    plus one literature course taught in Russian.

Track II: Russian Literature and Culture Minor

Prerequisite

RUSS 20200 - Intermediate Russian II

Selected readings in Russian literature. Practice in oral and written expression.
prereq: RUSS 20100
3 hrs3 cr.

RUSS 30100 - Advanced Russian I

Speaking, writing and reading Russian. Sentence structure; oral and written reports.
prereq: RUSS 20200 or equiv.
3 hrs3 cr.

RUSS 30200 - Advanced Russian II

GER 3/A
Reading and critical analysis of selected literary and journalistic texts. Consideration of levels of style, problems of idiom and syntax. Written and oral reports.
prereq: RUSS 20200 or equiv
3 hrs3 cr.
    and two literature or culture courses conducted either in Russian or in English. Literature courses may be substituted for language courses in the Literature and Culture Minor with permission by the head of the program.

Courses in Russian and Slavic Studies

POL 10100 - Elementary Polish

2 sems, 6 hrs6 cr.

POL 20100 - Intermediate Polish I

prereq: POL 10200
3 hrs3 cr.

POL 20200 - Intermediate Polish II

prereq: POL 20100
3 hrs3 cr.

POL 25000 - Topics in Polish Literature
Example: the 19th century Polish novel.
3 hrs 3 cr.

POL 30000 - Independent Study in Polish Language and Literature
3 hrs 3 cr.

RUSS 10100 - Elementary Russian
Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 101 not credited without RUSS 102.
2 sems, 3 hrs 3 cr. each sem.

RUSS 10200 - Elementary Russian
Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 10100 not credited without RUSS 10200.
2 sems, 3 hrs 3 cr. each sem.

RUSS 10300 - Elementary Russian for Heritage Speakers (Intensive)
Intensive study of the Russian language for heritage speakers who seek to gain literacy in the language. Two semesters in one.
6 hrs 6 cr.

RUSS 15500 - The Culture of Old Russia
GER 2/C PD/D
Religion, art, architecture and daily life in medieval Russia.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 15600 - Culture of Imperial Russia: the Age of Empresses
GER 2/C PD/C
Major cultural movements of the Empire baroque, classicism, romanticism and their effect on the cultural fabric of Russia from Regent Sophia through the reign of Peter to Catherine the Great.
cross-listed WGS 15600
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 15700 - The Age of the Great Masters
GER 2/C PD/D
Russian culture as shaped by the great masters of Russian literature, art and music in the late 19th and early 20th centuries.
prereq: ENGL 12000
3 hrs 3 cr.
RUSS 15800 - Contemporary Russian Culture

GER 2/C
Survey of Russian culture from Stalin to present exploring the relationship between the arts and the state apparatus. Consideration of such figures as Pasternak, Solzhenitsyn, Yevtushenko, Prokofiev, Tarkovsky and the Taganka Theatre.
*prereq: ENGL 12000
3 hrs 3 cr.*

RUSS 20100 - Intermediate Russian I

Selected readings in prose. Continued practice in written and spoken Russian. Grammar review.
*prereq: RUSS 10200 or 10300
3 hrs 3 cr.*

RUSS 20200 - Intermediate Russian II

Selected readings in Russian literature. Practice in oral and written expression.
*prereq: RUSS 20100
3 hrs 3 cr.*

RUSS 20300 - Intermediate Russian for Heritage Speakers (Intensive)

Intensive study of the Russian language for heritage students who seek to improve literacy in the language. Not open to students who have taken RUSS 20100 RUSS 20200 sequence. Two semesters in one.
*prereq: RUSS 10300 or instructor's permission.
6 hrs 6 cr.*

RUSS 24500 - Russian Folklore: Slavic Myths and Traditions

Common Slavic myths, traditions and social structures.
*prereq: RUSS 20200 or equiv.
3 hrs 3 cr.*

RUSS 24600 - Special Topics in Slavic Literature and Cultures

Sample topic: fairy tales, satire.
*prereq: RUSS 20200 or equiv.
3 hrs 3 cr.*

RUSS 25000 - 19th Century Russian Literature in English Translation (W)

GER 2/C PD/D
Pushkin's Eugene Onegin, Lermontov's Hero of Our Time, Gogol's Dead Souls, Turgenev's Fathers and Sons and others.
*prereq: ENGL 12000
3 hrs 3 cr.*
RUSS 25100 - Tolstoy and Dostoevsky in English Translation (W)

GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Dostoevsky's The Brothers Karamazov and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25200 - Modern Russian Literature in English Translation (W)

GER 2/C PD/D
Gorky, Mayakovsky, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25300 - Russian Theater in English Translation (W)

GER 2/C PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Chekhov, Pushkin, Gogol and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25400 - The Silver Age of Russian Literature in English Translation (W)

GER 2/C PD/D
Major writers and movements of the years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25500 - Russian Folklore, in Translation (W)

GER 2/C PD/D
Common Slavic myths and traditions.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25600 - Special Topics in Slavic Literatures and Cultures in English Translation

PD/D
Examples: the Russian cinema, Nabokov.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25700 - Masterpieces of Russian Literature in English Translation
Examples: Chekhov’s short stories or plays, Nabokov.

prereq: ENGL 12000
1 hr 1 cr.

RUSS 25800 - Masterpieces of Russian Literature in English Translation

Example: Pasternak's Dr. Zhivago.

prereq: ENGL 12000
1 hr 1 cr.

RUSS 25900 - Masterpieces of Russian Literature in English Translation

Examples: Solzhenitsyn's Gulag, Pushkin stories, Gogol stories.

prereq: ENGL 12000
1 hr 1 cr.

RUSS 26000 - Russian Women Writers in English Translation (W)

GER 3/A PD/C

cross-listed WGS 26000 (W)

prereq: ENGL 12000
3 hrs 3 cr.

RUSS 27000 - Soviet and Post-Soviet Cinema and Society (W)

GER 2/C
Exploration of how Soviet cinema affected the cultural aesthetic sensibilities of the Russian people through its influence on Russian literature, theater and painting. Analysis of works of film directors, film theoreticians, writers, theatrical directors and artists.

3 hrs 3 cr.

RUSS 29300 - Folklore in Translation: A Comparative Study

PD/A
Folklore of Australia, Oceania, Europe, Africa, North and South America and the Near East will be read in juxtaposition to Russian folklore.

prereq: ENGL 120
3 hrs 3 cr.

RUSS 29400 - Folklore and Literature (W)

GER 3/A PD/D
Students will be introduced to basic concepts of literature and folklore to increase, through a comparative study, their understanding and appreciation of both art forms. Works in English of major Russian writers such as Pushkin, Gogol and Pilnyak will be read in juxtaposition with folklore genres in search of how literary texts mirror folklore subjects. European, African and South American literature and folklore will be introduced or comparative purposes.

prereq: ENGL 12000
3 hrs 3 cr.
RUSS 29500 - The Vampire in Lore and Literature

GER 2/C
Comparative study of the vampire in various folk and literary traditions from ancient Greece to the 21st century.
prereq: ENGL 22000
3 hrs3 cr.

RUSS 29600 - Vladimir Nabokov Between Two Cultures

GER 3/A
Nabokov as a bilingual writer, including major works originally written in Russian and in English: Priglashenie na kazn' (Invitation to a Beheading); Dar (The Gift); Drugie Berega (Other Shores); Speak, Memory; Pnin; Lolita and Pale Fire.
prereq: ENGL 22000 or perm dept.
3 hrs3 cr.

RUSS 29700 - The Russian Urban Novel in English Translation (W)

GER 3/A
The interaction of a theme (the city) and a genre (the novel). Crime and Punishment, The Master and Margarita, We and others in their comparative context.
prereq: ENGL 22000 or perm dept.
3 hrs3 cr.

RUSS 30100 - Advanced Russian I

Speaking, writing and reading Russian. Sentence structure; oral and written reports.
prereq: RUSS 20200 or equiv.
3 hrs3 cr.

RUSS 30200 - Advanced Russian II

GER 3/A
Reading and critical analysis of selected literary and journalistic texts. Consideration of levels of style, problems of idiom and syntax. Written and oral reports.
prereq: RUSS 20200 or equiv
3 hrs3 cr.

RUSS 31200 - Advanced Russian Conversation I

Conversation and oral exercises; discussions based on readings of social and cultural interest. Introduction to oral interpreting.
prereq: RUSS 20200 or equiv.
3 hrs3 cr.

RUSS 31300 - Advanced Russian Conversation II

Literary, political, social, scientific vocabulary. Scholarly reports and practical exchanges on selected topics.
prereq: RUSS 20200 or equiv.
3 hrs3 cr.
RUSS 31400 - Advanced Russian Grammar


*prereq: RUSS 20200 or equiv.*

3 hrs 3 cr.

RUSS 31500 - Advanced Russian Grammar and Stylistics

Practice in written composition; consideration of verbal aspects, cases, syntax and idiomatic language.

*prereq: RUSS 20200 or equiv.*

3 hrs 3 cr.

RUSS 31700 - Practical Aspects of Translation

Introduction to techniques of translation. Translations of political, journalistic, commercial, scientific and literary texts.

*prereq: RUSS 20200 or equiv.*

3 hrs 3 cr.

RUSS 31800 - Advanced Translation

Continuation of RUSS 317 on an advanced level. Further development of skills in translating diverse materials from Russian to English and from English to Russian.

*prereq: ENGL 12000, RUSS 31700 or equiv; RUSS 20200 or equiv.*

3 hrs 3 cr.

RUSS 31900 - Business Russian

Increase mastery of Russian vocabulary, style and syntax for translating and composing diverse business materials in such fields as finance, insurance, litigation, advertising and labor relations. Conducted in Russian.

*prereq: RUSS 20200 or equiv.*

3 hrs 3 cr.

RUSS 32100 - Russian Short Story and Novella

GER 3/A PD/D

Analysis of various texts and readings from Gogol, Chekhov, Babel, Solzhenitsyn.

*prereq: RUSS 20200 or equiv.*

3 hrs 3 cr.

RUSS 32200 - Classical Russian Poetry

GER 3/A PD/D

Major poets from the late 18th to mid-19th century, including Lomonosov, Derzhavin, Pushkin, Lermontov and Nekrasov.

*prereq: RUSS 20200 or equiv.*

3 hrs 3 cr.

RUSS 32300 - Modern Russian Poetry
GER 3/A PD/D
Major poets of the late 19th and 20th centuries, including Fet, Tyutchev, Blok, Mayakovsky, Esenin, Pasternak, Yevtushenko.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 32400 - Literature of Kievan Rus' and Early Russian Literature through the Age of Classicism

GER 3/A
Major literary works of the Kievan period, 968 to 1237: The Primary Chronicle, The Tale of Igor's Campaign.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34000 - 19th Century Russian Literature

GER 3/A
Pushkin's Eugene Onegin, Lermontov's Hero of Our Time, Gogol's Dead Souls, Turgenev's Fathers and Sons and others.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34100 - Tolstoy and Dostoevsky

GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Anna Karenina, Dostoevsky's The Brothers Karamazov and others.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34200 - Modern Russian Literature

GER 3/A PD/D
Gorky, Mayakovksy, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34300 - Russian Theater

GER 3/A PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Pushkin, Gogol, Chekhov and others.

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34400 - The Silver Age of Russian Literature

GER 3/A PD/D
Major writers and movements of years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.
**RUSS 36000 - Russian Women Writers**

GER 3/A PD/C  
cross-listed WGS 36100  
*prereq: RUSS 20200 or equiv.*  
*3 hrs 3 cr.*

**RUSS 37000 - Independent Study in Slavic Literatures and Cultures**

*prereq: ENGL 120*  
*3 hrs 3 cr.*

**RUSS 39900 - Second Language Acquisition**

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.  
*prereq: at least three courses at the 300 level in the language, ENGL 120*  
*3 hrs 3 cr.*

**RUSS 49100 - Honors Project**

Open to Russian majors only. Essay.  
*prereq: RUSS 20200 or equiv.*  
*3 hrs 3 cr.*

**UKR 30000 - Independent Study in Ukrainian Language and Literature**

*3 hrs 3 cr.*

**Undergraduate Minor**

**Arabic Minors**

Return to Classical and Oriental Studies  

Two minors are offered by the Arabic Language, Literature, and Culture Division of the Department of Classical and Oriental Studies: Arabic and Arabic Studies.

**Minor in Arabic**
The minor in Arabic requires the successful completion of

**ARB 20100 - Intermediate Arabic I**

Emphasis placed on reading materials from Arabic media, and expanding vocabulary and grammar skills.

*prereq: ARB 10200 or equiv.*

3 hrs 3 cr.

**ARB 20200 - Intermediate Arabic II**

Continuation of ARB 20100.

*prereq: ARB 20100 or equiv.*

3 hrs 3 cr.

**ARB 30100 - Advanced Arabic I**

Emphasis on increased proficiency in reading, speaking and writing Arabic

*prereq: ARB 20200 or equiv.*

3 hrs 3 cr.

**ARB 30200 - Advanced Arabic II**

Continuation of ARB 30100

*prereq: ARB 30100 or equiv.*

3 hrs 3 cr.

or their equivalent as determined by the Arabic Program Head.

**ARB 14900 - Spoken Egyptian Arabic**

The goal of this course is to teach students oral communication in the Egyptian dialect, as well as to impart cultural knowledge relevant to a student living in or visiting Egypt. This course is closed to native speakers of Arabic.

*prereq: ARB 10200 and permission of instructor*

3 hours 3 credits

can be taken in lieu of ARB 30200

The prerequisite for the minor is successful completion of ARB 10100 and 10200 (8 credits).

**Arabic Studies Minor**

The Arabic Studies Minor requires the successful completion of 4 ARB courses on cultural or literary topics taught in English or in Arabic. Up to 2 Arabic language courses may be used to fulfill the minor requirements in lieu of two culture or literature courses.

The prerequisite for the minor is successful completion of ARB 10100 and ARB 10200 (8 credits).

**Arabic Courses**

**ARB 10100 - Beginning Arabic I**
Introduction to reading, speaking, listening, writing both formal and informal Arabic. 

10100 not credited without 10200. This class is not for native speakers. 

4 hrs4 cr.

**ARB 10200 - Beginning Arabic II**

Continuation of ARB 10100. 

This class is not for native speakers. 

prereq: ARB 10100 or equiv. 

4 hrs4 cr.

**ARB 14900 - Spoken Egyptian Arabic**

The goal of this course is to teach students oral communication in the Egyptian dialect, as well as to impart cultural knowledge relevant to a student living in or visiting Egypt. This course is closed to native speakers of Arabic. 

prereq: ARB 10200 and permission of instructor 

3 hours3 credits

**ARB 20000 - Topics in Arabic Literature and Culture**

This course will focus on a variety of topics related to the literatures and cultures of the Arab World. Readings in translation. Specific information on a particular semester's offerings can be found on the on-line class schedule. 

prereq: ENGL 12000 or equivalent 

3 hours3 credits

**ARB 20100 - Intermediate Arabic I**

Emphasis placed on reading materials from Arabic media, and expanding vocabulary and grammar skills. 

prereq: ARB 10200 or equiv. 

3 hrs3 cr.

**ARB 20200 - Intermediate Arabic II**

Continuation of ARB 20100. 

prereq: ARB 20100 or equiv. 

3 hrs3 cr.

**ARB 25000 - The Arab Novel (in translation) (W)**

GER 2C, PD/A 

A consideration of Arab novels as a source for understanding issues such as urbanization, war, imperialism, nationalism, gender, as well as the politics of translation. 

prereq: ENG 22000 or equiv. 

3 hrs3 cr.

**ARB 25100 - Arab Cinema (in translation)**

GER 2/D, PD/A 

This course will introduce students to the history of Arab Cinema through readings and weekly screenings of films from all over the Arab World.
**ARB 25200 - Literatures from the Islamic World (W)**

GER 2C, PD/A  
A survey of literary genres and themes from the Islamic World from the 7th to the 15th century.  
**prereq:** ENGL 12000 or equivalent  
3 hrs 3 credits

**ARB 25300 - Literatures and Cultures of Muslim Spain (W)**

GER 2C, PD/A  
A survey of the literary and cultural history of Muslim Spain, 8th - 15th century C.E.  
**prereq:** ENGL 12000 or equivalent  
3 hrs 3 credits

**ARB 25400 - The Arabian Nights East and West (W)**

GER 2C, PD/A  
The course studies not only the stories of the Arabian Nights (1001 Nights), but also the history of the translation and adaptation of the Nights into European languages.  
**prereq or coreq:** ENGL 12000 or equivalent  
3 hours 3 credits

**ARB 30000 - Problems in Arabic Literature and Culture**

This course will focus on a specific area related to the literatures and topics of the Arab World. As a 300-level course, it will cover a narrow spectrum of texts. Readings in translation. Specific information on a particular semester's offerings can be found on the on-line class schedule.  
**prereq or coreq:** ENGL 12000 and one of the following or permission of the instructor: ANTHC 20100, ARB 20000, ARB 25000W, ARB 25100, ARB 25200W, ARB 25400W, ARTH 26000W, ASIA 22004, ASIA 39013, ASIA 45051, GEOG 27400, HEBR 21500W, HIST 27650, HIST 27651, POLSC 26300W, POLSC 26900W, REL 32200W, REL 33700W OR SOC 36200W.  
3 hours 3 credits

**ARB 30100 - Advanced Arabic I**

Emphasis on increased proficiency in reading, speaking and writing Arabic  
**prereq:** ARB 20200 or equiv.  
3 hrs 3 cr.

**ARB 30200 - Advanced Arabic II**

Continuation of ARB 30100  
**prereq:** ARB 30100 or equiv.  
3 hrs 3 cr.

**Other Programs**
Japanese Courses

Return to Classical and Oriental Studies

The following are the courses offered in Japanese language and culture.

Courses in Japanese Language/Culture

**JPN 10100 - Elementary Japanese I**


10100 not credited without 10200.

3 hrs 3 cr.

**JPN 10200 - Elementary Japanese II**

Continuation of 10100.

Prereq: JPN 10100 or equiv.

3 hrs 3 cr.

**JPN 20100 - Intermediate Japanese I**

Continuation of JPN 10100-10200. Extensive reading and writing practice, including at least 500 additional kanji; advanced grammar study.

Prereq: JPN 10200 or equiv.

3 hrs 3 cr.

**JPN 20200 - Intermediate Japanese II**

Continuation of JPN 20100.

Prereq: JPN 20100 or equiv.

3 hrs 3 cr.

**JPN 30100 - Advanced Japanese I**

Continuation of JPN 20200. Extensive reading and writing practice, including at least 700 additional kanji; advanced grammar study.

Prereq: JPN 20200 or equiv.

3 hrs 3 cr.

**JPN 30200 - Advanced Japanese II**

Continuation of JPN 30100. Extensive reading and writing practice, including at least 600 additional kanji; advanced grammar study.

Prereq: JPN 30100 or equiv.

3 hrs 3 cr.

**JPN 25100 - Japanese Culture Before 1600**
GER 2C PD/A
Designed for students who wish to become acquainted with Japanese culture. It will cover the periods from pre-history to 1600 and focus on elements that helped shape contemporary Japanese culture. Taught entirely in English.
3 hours 3 credits

JPN 25200 - Japanese Culture Since 1600

GER 2C PD/A
Designed for students who wish to become acquainted with Japanese culture. It will cover the Edo Period and Modern Japan—including contemporary Japanese culture. Taught entirely in English. JPN 251 is not prerequisite.
3 hours 3 credits

Arabic

ARB 10100 - Beginning Arabic I
Introduction to reading, speaking, listening, writing both formal and informal Arabic.
10100 not credited without 10200. This class is not for native speakers.
4 hrs 4 cr.

ARB 10200 - Beginning Arabic II
Continuation of ARB 10100.
This class is not for native speakers.
prereq: ARB 10100 or equiv.
4 hrs 4 cr.

ARB 14900 - Spoken Egyptian Arabic
The goal of this course is to teach students oral communication in the Egyptian dialect, as well as to impart cultural knowledge relevant to a student living in or visiting Egypt. This course is closed to native speakers of Arabic.
prereq: ARB 10200 and permission of instructor
3 hours 3 credits

ARB 20000 - Topics in Arabic Literature and Culture
This course will focus on a variety of topics related to the literatures and cultures of the Arab World. Readings in translation. Specific information on a particular semester's offerings can be found on the on-line class schedule.
prereq: ENGL 12000 or equivalent
3 hours 3 credits

ARB 20100 - Intermediate Arabic I
Emphasis placed on reading materials from Arabic media, and expanding vocabulary and grammar skills.
prereq: ARB 10200 or equiv.
3 hrs 3 cr.
**ARB 20200 - Intermediate Arabic II**

Continuation of ARB 20100.

*prereq: ARB 20100 or equiv.*

3 hrs 3 cr.

**ARB 25000 - The Arab Novel (in translation) (W)**

GER 2C, PD/A

A consideration of Arab novels as a source for understanding issues such as urbanization, war, imperialism, nationalism, gender, as well as the politics of translation.

*prereq: ENG 22000 or equiv.*

3 hrs 3 cr.

**ARB 25100 - Arab Cinema (in translation)**

GER 2/D, PD/A

This course will introduce students to the history of Arab Cinema through readings and weekly screenings of films from all over the Arab World.

*prereq: ENGL 12000 or equivalent*

3 hrs 3 credits

**ARB 25200 - Literatures from the Islamic World (W)**

GER 2C, PD/A

A survey of literary genres and themes from the Islamic World from the 7th to the 15th century.

*prereq: ENGL 12000 or equivalent*

3 hrs 3 credits

**ARB 25300 - Literatures and Cultures of Muslim Spain (W)**

GER 2C, PD/A

A survey of the literary and cultural history of Muslim Spain, 8th - 15th century C.E.

*prereq: ENGL 12000 or equivalent*

3 hrs 3 credits

**ARB 25400 - The Arabian Nights East and West (W)**

GER 2C, PD/A

The course studies not only the stories of the Arabian Nights (1001 Nights), but also the history of the translation and adaptation of the Nights into European languages.

*prereq or coreq: ENGL 12000 or equivalent*

3 hours 3 credits

**ARB 30000 - Problems in Arabic Literature and Culture**

This course will focus on a specific area related to the literatures and topics of the Arab World. As a 300-level course, it will cover a narrow spectrum of texts. Readings in translation. Specific information on a particular semester’s offerings can be found on the on-line class schedule.

*prereq or coreq: ENGL 12000 and one of the following or permission of the instructor: ANTHC 20100, ARB 20000,*
ARB 30100 - Advanced Arabic I

Emphasis on increased proficiency in reading, speaking and writing Arabic

 prerequisites: ARB 20200 or equiv.

3 hrs 3 cr.

ARB 30200 - Advanced Arabic II

Continuation of ARB 30100

 prerequisites: ARB 30100 or equiv.

3 hrs 3 cr.

Archaeology: Classical

CLA 20400 - Introduction to Classical, Near Eastern, and Egyptian Archaeology (W)

GER 2/C
Introduction to ancient archaeology, including Greece and Rome, Mesopotamia, Egypt, Anatolia, and the Levant.

 prerequisites: ENGL 12000

3 hrs 3 cr.

CLA 22000 - Aegean Archaeology (W)

GER 3/A PD/D
Crete, Greece, and the islands in Bronze Age. Knossos, Thera, Mycenae. Painting, jewelry, pottery, daily life.

 prerequisites: ENGL 12000, CLA 20400

3 hrs 3 cr.

CLA 22100 - Greek Archaeology (W)

GER 3/A PD/D
Greece from Archaic to Hellenistic period: culture, Greek cities overseas, daily life; Delphi, Olympia, Athens.

 prerequisites: ENGL 12000; CLA 20400

3 hrs 3 cr.

CLA 22200 - Roman Archaeology (W)

GER 3/A PD/D
Etruscans, Roman Italy, and the Empire: Pompeii, Rome, Roman cities overseas; glass, mosaics, sarcophagi, pottery.

 prerequisites: ENGL 12000; CLA 20400

3 hrs 3 cr.
CLA 22500 - Archaeology of Egypt (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Egypt. Giza, Thebes, Amarna; hieroglyphs, literature, tombs, religion, daily life.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 22700W - Archaeology of Eastern Mediterranean

GER 3/A PD/A
Cyprus, Southern Anatolia, Phoenicia, and Palestine, especially in Bronze Age.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32200 - Archaeology of Mesopotamia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Mesopotamia. First villages, tombs of Ur, ziggurats, palaces, tablet literature.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32300 - Archaeology of Anatolia (W)

GER 3/A PD/A
Sites, cultures, and styles of ancient Anatolia: Catal Huyuk, Troy, the Hittites, royal tombs of Phrygia and Lycia.
prereq: ENGL 12000, CLA 20400
3 hrs3 cr.

CLA 32900 - Problems in Archaeology

Exploration in depth of particular area or period in Old World archaeology. Topics vary.
prereq: ENGL 12000, two courses in classical archaeology
3 hrs3 cr.

CLA 33000 - Field Seminar in Archaeology

Open to majors only. Fieldwork, undertaken during a school semester or summer, under auspices of department or in an approved program, teaching excavation, or field school.
prereq: ENGL 12000, perm dept.
6 cr. maximum

Chinese Culture and Literature in Translation

CHIN 11100 - Chinese Culture I
GER 2/C PD/A
Introduction to Chinese culture with emphasis on classical tradition. Lectures and readings in English.
3 hrs 3 cr.

CHIN 11200 - Chinese Culture II

GER 2/C PD/A
Emphasis on modern transformation against background of classical tradition. Lectures and readings in English.
3 hrs 3 cr.

CHIN 21100 - Topics in Chinese Culture

Topics include Chinese religion, Buddhism, archaeology, Daoism and theatre.
3 hrs 3 cr.

CHIN 25100 - Topics in Chinese Literature in English Translation (W)

GER 2/C
Including 20th-century literature, contemporary literature.
prereq: ENGL 12000
3 hrs 3 cr.

CHIN 35100 - Classical Chinese Fiction in English Translation (W)

GER 3/A PD/A
Introduction to Chinese fictional writings from early times to 19th century, e.g., Dream of the Red Chamber, Monkey, All Men Are Brothers, Romance of the Three Kingdoms.
prereq: ENGL 12000
3 hrs 3 cr.

CHIN 35700 - Chinese Poetry in English Translation (W)

GER 3/A PD/A
Major poets from the earliest times to the present day, with emphasis on the Tang period.
prereq: ENGL 12000
3 hrs 3 cr.

CHIN 39900 - Second Language Acquisition

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.
prereq: at least three courses at the 300 level in the language, ENGL 12000
3 hrs 3 cr.

Chinese Language and Literature

CHIN 10100 - Elementary Chinese I
Beginning course in Mandarin.  
CHIN 10100 not credited without CHIN 10200.  
3 hours 3 credits  
offered fall

CHIN 10200 - Elementary Chinese II

Beginning course in Mandarin.  
3 hours 3 credits  
offered spring

CHIN 10500 - Chinese Writing System and Calligraphy I

Beginning course in learning the basics about writing Chinese characters, methods of analysis, and mastery of common radicals and characters.  
3 hours 3 credits  
offered fall

CHIN 10600 - Chinese Writing System and Calligraphy II

Continued instruction in topics related to the development of Chinese scripts, printing, and calligraphy, and mastery of additional common characters.  
prereq: CHIN 10500 or equivalent  
3 hours 3 credits  
offered spring

CHIN 20100 - Intermediate Chinese I

Reading of literature in baihua (vernacular style) with emphasis on structural use of “function words” and vocabulary-building.  
prereq: CHIN 10200 or equiv.  
3 hrs 3 cr.  
offered fall

CHIN 20200 - Intermediate Chinese II

Continued reading of literature in baihua.  
prereq: CHIN 20100 or equiv.  
3 hrs 3 cr.  
offered spring

CHIN 30100 - Journalistic Chinese Literature I

Intensive reading of literature and essays written in journalistic style.  
prereq: CHIN 20200 or equiv.  
3 hrs 3 cr.  
offered fall

CHIN 30200 - Journalistic Chinese Literature II
Intensive reading and translation of literature written in journalistic style.

prereq: CHIN 30100 or equiv.
3 hrs 3 cr.
offered spring

CHIN 30300 - Classical Chinese Literature I

Intensive study of literature written in wenyan or classical style, with attention to basic structures of literary styles.

prereq: CHIN 20200 or equiv.
3 hrs 3 cr.
offered fall

CHIN 30400 - Classical Chinese Literature II

Continuation of CHIN 303. Selected readings in literature written in wenyan or classical style.

prereq: CHIN 303 or equiv.
3 hrs 3 cr.
offered spring

CHIN 30600 - 20th-century Chinese Literature

PD/A
Selected readings of leading thinkers and writers.

prereq: CHIN 20200 or equiv.
3 hrs 3 cr.

CHIN 30700 - Classical Chinese Poetry

PD/A
Close textual and stylistic analysis of texts selected from standard verse forms, with emphasis on Tang shi.

prereq: CHIN 30400 or equiv.
3 hrs 3 cr.

CHIN 40100 - Advanced Studies in Chinese Literature

Including 20th-century literature, poetry; etymology and vocabulary building; Chinese-English translation.

prereq: CHIN 30200 or equiv, perm chair
3 hrs 3 cr.

CHIN 40200 - Independent Study in Chinese Literature

Independent study and research in Chinese literature under supervision of a faculty member.
For majors only.

prereq: CHIN 40100, perm chair
3 hrs 3 cr.

Classical Literature (in English)
CLA 25000 - Greek and Roman Tragedy (W)

GER 2/C PD/D
A study of plays of Aeschylus, Sophocles, Euripides, and Seneca in their literary, religious, and social contexts.  
*prereq: ENGL 12000 recom: CLA 10100  
3 hrs3 cr.*

CLA 25100 - Ancient Comedy (W)

GER 2/C PD/D
Aristophanes, Menander, Plautus, and Terence, with a consideration of their influence on Western comic tradition.  
*prereq: ENGL 12000  
3 hrs3 cr.*

CLA 25300 - Homer and Vergil (W)

GER 2/C PD/D
Ancient narrative song and poetry, with emphasis on the Iliad and Odyssey of Homer and the Aeneid of Vergil.  
*prereq: ENGL 12000 recom: CLA 10100  
3 hrs3 cr.*

CLA 25400 - The Ancient Novel in Translation (W)

GER 3/A PD/D
Greek and Roman prose fiction-Petronius' Satyricon, Apuleius' Golden Ass, Achilles Tatuis' Leucippe, Longus' Daphnis and Chloe, and Heliodorus' Ethiopian Tale.  
*prereq: ENGL 22000 or perm instr.  
3 hrs3 cr.*

Classics: Ancient Culture

CLA 10100 - Classical Mythology

GER 2/C PD/D
Greek and Roman myth as represented in ancient art and literature, with emphasis on modern interpretations and theories.  
*3 hrs3 cr.*

CLA 11000 - The Greek and Latin Roots of English

GER 2/C
Elements of language structure; how languages work; elements of Latin and Greek in English vocabulary.  
*3 hrs3 cr.*

CLA 20100 - Greek Civilization (W)
GER 2/C PD/D
Ancient Greek culture: art and literature, religion, philosophy, economics, politics, education, and athletics.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 20200 - Hellenistic Civilization (W)

GER 3/A PD/D
The Mediterranean world after Alexander the Great: synthesis of Greek and oriental cultures.
prereq: ENGL 12000, CLA 20100 or 20400
3 hrs 3 cr.

CLA 20300 - Roman Civilization (W)

GER 2/C PD/D
Ancient Roman culture: art and literature, law, architecture, engineering, economics, popular culture, leisure activities.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 21000 - The Greek and Roman Theatre (W)

GER 3/A
Components and functions of classical theatre: myth and ritual; mask and costume; staging and production; buildings.
prereq: ENGL 12000; CLA 20100 or 25000
3 hrs 3 cr.

CLA 24000 - Topics in Classics

Examination of specific areas of classical culture, such as literature, language, or numismatics.
prereq: ENGL 120
3 hrs 3 cr.

CLA 30200 - Comparative Backgrounds of Classical Mythology (W)

GER 3/A PD/D
Mythological systems that bear on classical myth, including Egyptian, Mesopotamian, Hittite, Ugaritic, and Celtic myths.
prereq: ENGL 12000; CLA 10100
3 hrs 3 cr.

CLA 30300 - Religion of Ancient Greece (W)

GER 3/A
The Ancient Greek religious experience: official rites, mystery cults, oracles, personal religious belief, and practice.
prereq: ENGL 12000, CLA 10100 or 20100
3 hrs 3 cr.

CLA 30400 - Pagans and Christians (W)
GER 3/A PD/D
Transformation of classical culture in late antiquity: religion, philosophy, mysticism, magic, astrology.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

CLA 30500 - Women and Slaves in Classical Antiquity (W)

GER 3/A PD/C or D
Women and slaves in Greek and Roman society and their influence on Western attitudes about sex and class.
cross-listed WGS 30500 (W)
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

CLA 30600 - Special Studies in Ancient Greek Culture

Examination of specific areas of Greek life. Topics vary from year to year.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 30700 - Special Studies in Ancient Roman Culture

PD/D
Examination of specific areas of Roman life. Topics vary from year to year.
prereq: ENGL 12000
3 hrs 3 cr.

CLA 30800 - Magic and Science in the Ancient World (W)

GER 3/A
The interaction of scientific and magical world views in Greek, Roman and Near Eastern antiquity from the invention of writing to the origins of alchemy.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

CLA 31000 - Ancient Sports and Spectacles (W)

GER 3/A PD/D
An exploration of ancient Greek and Roman sports and spectacles, focusing on evidence supplied by literary texts, archaeology, and the visual arts.
prereq: ENGL 12000; CLA 20100 or 20300
3 hrs 3 cr.

CLA 42100 - Independent Study in Classics

Open to majors only.
prereq: ENGL 12000, perm chair
1-3 cr.

CLA 49100 - Honors in Classics
Sr only. Individual research under direction of member of department, culminating in essay approved by Honors Committee.

prereq: ENGL 12000, perm dept.
3 hrs 3 cr.

CLA 49800 - Internship

prereq: ENGL 12000, perm dept.
1-6 cr.

Greek

GRK 10100 - Beginning Greek

GRK 101 not credited without GRK 102.
8 hrs 8 cr.
offered fall

GRK 10200 - Beginning Greek

GRK 10100 not credited without GRK 10200.
8 hrs 8 cr.
offered spring

GRK 10700 - Beginning Greek, Intensive

6 hrs 6 cr.
offered summer

GRK 11000 - Greek Reading

prereq: GRK 10200 or equiv.
3 hrs 3 cr.
offered fall

GRK 20200 - Plato

prereq: GRK 11000 or equiv.
3 hrs 3 cr.

GRK 20300 - Homer

prereq: GRK 11000 or equiv.
3 hrs 3 cr.

GRK 30100 - Plato II
GRK 30200 - Euripides

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30300 - Greek Lyric Poetry

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30400 - Aristophanes and Menander

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30500 - Attic Orators

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30700 - Sophocles

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30800 - Aeschylus

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 30900 - Herodotus

prereq: GRK 202 or equiv.
3 hrs 3 cr.

GRK 31000 - Thucydides

prereq: GRK 20200 or equiv.
3 hrs 3 cr.

GRK 31100 - Advanced Readings in Greek Literature

prereq: GRK 20200 or equiv.
3 hrs 3 cr.
Hebraic Culture

(Conducted in English)

HEBR 21000 - Selected Studies in Hebrew Literature in Translation

PD/C
Study of selected masterpieces or major themes in Hebrew literature in translation. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement; check with department.
3 hrs 3 cr.

HEBR 21100 - Masterpieces of Medieval Hebraic Literature in Translation (W)

GER 2/C PD/D
Selections from major works reflecting Jewish life and thought in medieval Islamic world and Christendom.
3 hrs 3 cr.

HEBR 21200 - Readings in Modern Hebrew Literature in Translation (W)

GER 2/C
Survey of Hebraic literature from Enlightenment movement to present.
3 hrs 3 cr

HEBR 21400 - Maimonides' Guide to the Perplexed

GER 3/A PD/D
Study of this work in English with reference to Maimonides' influence on development of medieval Aristotelianism.
3 hrs 3 cr

HEBR 21500 - Hebraic and Judaic Culture and Thought in the Medieval Islamic World (W)

GER 3/A PD/A PD/D
A study of medieval Hebraic and Judaic writings from North Africa and the Middle East in English translation. Emphasis will be given to the traditional as well as the innovative aspects of the material.
prereq: ENGL 12000
3 hrs 3 cr.

HEBR 21800 - Masterpieces of Yiddish Literature in Translation (W)

GER 3/A PD/D
Study of major works in Yiddish literature from Mendele Mocher Seforim to present.
prereq: ENGL 22000
3 hrs 3 cr

HEBR 22000 - Israeli Cinema
GER 3/A PD/A
Israeli cinema and the development of Israeli cultural identity. Designed for students of Hebrew studies and Film studies who are interested in the history of Israeli film and Israeli cultural identity as expressed in the Israeli cinema.

cross-listed cross-listed with FILM 21344
prereq: ENGL 12000
3 hrs 3 cr

HEBR 22100 - Modern Israeli Culture

A survey of contemporary Israeli culture, exploring topics relating to language, literature, history, rituals, politics, music and education.
prereq: ENGL 12000
3 hours 3 credits

HEBR 22200 - Introduction to Jewish Texts and Writings

A broad survey of influential Jewish texts and literary masterpieces from ancient to modern times.
prereq or coreq: ENGL 120
3 hours 3 credits

HEBR 24000 - Introduction to the Old Testament

GER 2/C PD/A
Survey of the books of the Old Testament, their form, content and cultural background. Introduction to the tools and methods of modern biblical criticism.
3 hrs 3 cr

HEBR 25000 - Topics in Hebraic Studies

PD/C
Study in depth of a selected topic in Hebraic studies. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement; check with department.
3 hrs 3 cr

HEBR 25900 - Old Testament Religion

GER 2/C PD/A
Comprehensive survey of ancient Israelite religious practice, expression and thought as reflected in Hebrew Bible.
3 hrs 3 cr

HEBR 28100 - Masterpieces of Ancient Hebraic Literature in Translation (W)

GER 3/A
Study of Hebrew classics and collateral works against background of Jewish history and ancient civilization.
3 hrs 3 cr

HEBR 28400 - Images of Women in the Old Testament, in Translation
GER 3/A PD/C
Depiction of women in ancient Israelite prose and poetry. Close reading and analysis of texts in terms of literary techniques, cultural background and ideological implications.
3 hrs 3 cr.

HEBR 28600 - Ancient Near Eastern Literature and the Bible

GER 3/A PD/A
Comparative study of ancient Near Eastern literature and the Hebrew Bible.
3 hrs 3 cr

HEBR 28800 - Ancient Hebraic Folklore

GER 2/C PD/A
Analysis and comparative study of folk beliefs, practices and literature reflected in Hebrew Bible, apocryphal literature and rabbinic Aggada.
3 hrs 3 cr

HEBR 29000 - Biblical Archaeology

GER 2/C PD/A
Study of Biblical sources in translation in relation to major archaeological discoveries in Israel and Near East.
3 hrs 3 cr

HEBR 29200 - The Hebrew Prophets

GER 2/C PD/A
Study of phenomenon of prophecy in ancient Israel and its contribution to historical, ethical and religious thought.
3 hrs 3 cr

HEBR 29400 - Job, Ecclesiastes and the Human Predicament

GER 3/A PD/A
Study of form, content and religious significance of these two enigmatic masterworks.
3 hrs 3 cr

HEBR 29500 - Ancient Hebrew Law

GER 2/C PD/A
Historical and comparative study of Biblical and rabbinic law.
3 hrs 3 cr

HEBR 29600 - The Dead Sea Scrolls in English

GER 3/A PD/A
Readings in the various genres of the scrolls; historical background of Qumran sect; significance of the scrolls for study of Judaism and Christianity.
3 hrs 3 cr
Hebrew - Introductory Courses

HEBR 10100 - Elementary Hebrew I

Fundamentals of reading, pronunciation and grammar for beginners. Practice in conversation and writing. HEBR 101 not credited without HEBR 102.
3 hrs3 cr.

HEBR 10200 - Elementary Hebrew II

Continuation of HEBR 10100.
prereq: HEBR 10100 or equiv.
3 hrs3 cr.

HEBR 10300 - Intensive Elementary Hebrew

Intensive practice in basic skills of Hebrew. Course covers in one semester the material covered in the two semesters of HEBR 10100 and 10200.
6 hrs6 cr.

HEBR 10500 - Elementary Biblical Hebrew I

The first in a series of four introductory courses in the Hebrew of the Bible. No prior knowledge of Hebrew required.
Not credited without HEBR 106
3 hours3 credits

HEBR 10600 - Elementary Biblical Hebrew II

The second in a series of 4 introductory courses in Biblical Hebrew.
prereq: HEBR 105 or equivalent.
3 hours3 credits

HEBR 20100 - Intermediate Hebrew I

Continued practice in conversational Hebrew, grammar and composition.
prereq: HEBR 10200 or equiv.
3 hrs3 cr.

HEBR 20200 - Intermediate Hebrew II

Intensive practice in conversation, composition and grammar. Selected readings in Hebrew literature.
prereq: HEBR 20100 or equiv.
3 hrs3 cr.

HEBR 20500 - Intermediate Biblical Hebrew I
This is the 3rd semester of a 4-semester series of Biblical Hebrew courses.

**prereq:** Biblical Hebrew 10600 or equivalent.
3 hours3 credits

**HEBR 20600 - Intermediate Biblical Hebrew II**

This is the 4th semester of the 4-semester Biblical Hebrew series.

**prereq:** HEBR 20500 or equivalent.
3 hours3 credits

**Hebrew Advanced Courses**

**HEBR 31000 - Modern Hebrew Literature I**

GER 3/A PD/D
Reading and discussion of selected works in prose and poetry of 19th-century authors.

**prereq:** HEBR 20200 or equiv. or exemption
3 hrs3 cr

**HEBR 31100 - Modern Hebrew Literature II**

GER 3/A
Reading and discussion of selected works in prose and poetry of 20th-century authors.

**prereq:** HEBR 20200 or equiv.
3 hrs3 cr

**HEBR 31500 - Biblical Literature: Pentateuch**

GER 3/A PD/A
Selections from Pentateuch.

**prereq:** HEBR 20200 or equiv.
3 hrs3 cr

**HEBR 31600 - Biblical Literature: Historical Books**

GER 3/A PD/A
Selections from books of Joshua, Judges, Samuel and Kings.

**prereq:** HEBR 20200 or equiv.
3 hrs3 cr

**HEBR 31700 - Biblical Literature: Prophetic Books**

GER 3/A PD/A
Selections from minor and major prophets.

**prereq:** HEBR 202 or equiv.
3 hrs3 cr
HEBR 31800 - Biblical Literature: Hagiographa

GER 3/A PD/A
Selections from Job, Proverbs, Psalms and the five Magillot.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32000 - The Modern Hebrew Short Story

GER 3/A
Extensive reading of short stories from late 19th century to present, illustrating different literary trends.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr.

HEBR 32100 - Talmudic Literature

GER 3/A PD/A
Selections from Talmud and Midrash.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32200 - Medieval Literature

GER 3/A PD/D
Selections from literature of Golden Age in Spain.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32300 - Poetry of the Modern Hebrew Renaissance Period

GER 3/A PD/D
Study of major works of Bialik, Tschernichovsky, Kahan and Shneour.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32400 - The Modern Hebrew Essay

GER 3/A PD/D
Study of selected essays of Ahd ha'Am, Berditchevsky and Frischman.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32500 - History of Modern Hebrew Literature

GER 3/A
Evolution of Hebrew literature from period of Enlightenment to contemporary Hebrew letters.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32600 - Hebrew Poetry Between the Two World Wars
GER 3/A
Study of Hebrew poetry since World War I. Emphasis on works of Greenberg, Schlonsky, Lamdan and Alterman.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32700 - The Modern Hebrew Novel

GER 3/A
Intensive study of a major novel by Agnon, Barash or Hazaz, with collateral readings in other Hebrew novels.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 32800 - Contemporary Hebrew Prose

GER 3/A
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 33100 - Medieval Hebrew Philosophic Texts

GER 3/A
Study of selected chapters of Halevi's Kuzari and Maimonide' Moreh Nebukim (Guide to the Perplexed).
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 35100 - Hebrew Grammar and Composition

Intensive study of principles of vocalization, inflections of nouns and verbs, rules of syntax and practice in composition.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 35700 - Approaches to Main Problems in Hebraic Studies

Explorations in depth of a particular area in Hebraic studies. May be repeated as topics vary from semester to semester.
prereq: HEBR 20200 or equiv.
3 hrs 3 cr

HEBR 45100 - Selected Studies in Hebrew Literature

PD/D
Course will concentrate on an author, theme, genre or period in Hebrew literature. May be repeated as topics vary from semester to semester. Some topics may meet a PD requirement.
**HEBR 49000 - Independent Studies**

Independent research under direction of a member of the division. May be repeated as topics vary from semester to semester.

*prereq: permission of division head*

*hrs TBA* 3 cr

**HEBR 49100 - Honors Project**

Individual study and research in Hebrew literature in consultation with staff member. Honors essay required. May be repeated as topics vary from semester to semester.

*prereq: Jr/Sr only; perm division
1 sem* 3 cr.

**Hebrew: Second Language Acquisition**

**HEBR 39900 - Second Language Acquisition**

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.

*prereq: at least three courses at the 300 level in the language, ENGL 12000
3 hrs* 3 cr.

**Japanese**

**JPN 10100 - Elementary Japanese I**


*10100 not credited without 10200.
3 hrs* 3 cr.

**JPN 10200 - Elementary Japanese II**

Continuation of 10100.

*prereq: JPN 10100 or equiv.
3 hrs* 3 cr.

**JPN 20100 - Intermediate Japanese I**
Continuation of JPN 10100-10200. Extensive reading and writing practice, including at least 500 additional kanji; advanced grammar study.
prereq: JPN 10200 or equiv.
3 hrs3 cr.

**JPN 20200 - Intermediate Japanese II**

Continuation of JPN 20100.
prereq: JPN 20100 or equiv.
3 hrs3 cr.

**JPN 25100 - Japanese Culture Before 1600**

GER 2C PD/A
Designed for students who wish to become acquainted with Japanese culture. It will cover the periods from pre-history to 1600 and focus on elements that helped shape contemporary Japanese culture. Taught entirely in English.
3 hours3 credits

**JPN 25200 - Japanese Culture Since 1600**

GER 2C PD/A
Designed for students who wish to become acquainted with Japanese culture. It will cover the Edo Period and Modern Japan—including contemporary Japanese culture. Taught entirely in English. JPN 251 is not prerequisite.
3 hours3 credits

**JPN 30100 - Advanced Japanese I**

Continuation of JPN 20200. Extensive reading and writing practice, including at least 700 additional kanji; advanced grammar study.
prereq: JPN 20200 or equiv.
3 hrs3 cr.

**JPN 30200 - Advanced Japanese II**

Continuation of JPN 30100. Extensive reading and writing practice, including at least 600 additional kanji; advanced grammar study.
prereq: JPN 30100 or equiv.
3 hrs3 cr.

**Latin**

**LAT 10100 - Beginning Latin**

LAT 10100 not credited without LAT 10200.
8 hrs8 cr.
offered fall
LAT 10200 - Beginning Latin
8 hrs8 cr.
offered spring

LAT 10700 - Beginning Latin, Intensive
6 hrs6 cr.
offered summer

LAT 11000 - Latin Reading
prereq: LAT 10200 or equiv.
3 hrs3 cr.
offered fall

LAT 20100 - Ovid's Metamorphoses
prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20200 - Roman Biography
prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20300 - Vergil's Aeneid
prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 20400 - Cicero's De Senectute
prereq: LAT 11000 or equiv.
3 hrs3 cr.

LAT 22000 - Medieval Latin
prereq: LAT 11000 or equiv.
3 hrs3 cr.
offered summer

LAT 30200 - Roman Letter
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30300 - Roman Comedy
prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30400 - Roman Satire

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30500 - Vergil's Eclogues and Georgics

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30600 - Cicero

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30700 - Lucretius' De Rerum Natura

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30800 - Roman Epic

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 30900 - Lyric Poetry of the Golden Age

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31000 - The Roman Novel

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31100 - Elegiac Poets

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31200 - Livy

prereq: LAT 20100 or equiv.
3 hrs3 cr.

LAT 31300 - Caesar
**LAT 31400 - Tacitus**

prereq: LAT 20100 or equiv.
3 hrs3 cr.

**LAT 31500 - Anthology of Latin Verse**

prereq: LAT 20100 or equiv.
1 hr1 cr.

**LAT 31600 - Advanced Readings in Latin Literature**

prereq: LAT 20100 or equiv.
3 hrs3 cr.

**Russian and Slavic Studies: Polish Language**

**POL 10100 - Elementary Polish**

2 sems, 6 hrs6 cr.

**POL 10200 - Elementary Polish**

2 sems, 6 hrs6 cr.

**POL 20100 - Intermediate Polish I**

prereq: POL 10200
3 hrs3 cr.

**POL 20200 - Intermediate Polish II**

prereq: POL 20100
3 hrs3 cr.

**Russian and Slavic Studies: Polish Literature in English Translation**

**POL 25000 - Topics in Polish Literature**
Example: the 19th century Polish novel.
3 hrs 3 cr.

POL 30000 - Independent Study in Polish Language and Literature
3 hrs 3 cr.

Russian and Slavic Studies: Russian Language

RUSS 10100 - Elementary Russian
Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 101 not credited without RUSS 102.
2 sems, 3 hrs 3 cr. each sem.

RUSS 10200 - Elementary Russian
Introduction to Russian language. Practice in spoken Russian. Reading of simple texts. RUSS 10100 not credited without RUSS 10200.
2 sems, 3 hrs 3 cr. each sem.

RUSS 10300 - Elementary Russian for Heritage Speakers (Intensive)
Intensive study of the Russian language for heritage speakers who seek to gain literacy in the language. Two semesters in one.
6 hrs 6 cr.

RUSS 20100 - Intermediate Russian I
Selected readings in prose. Continued practice in written and spoken Russian. Grammar review.
prereq: RUSS 10200 or 10300
3 hrs 3 cr.

RUSS 20200 - Intermediate Russian II
Selected readings in Russian literature. Practice in oral and written expression.
prereq: RUSS 20100
3 hrs 3 cr.

RUSS 20300 - Intermediate Russian for Heritage Speakers (Intensive)
Intensive study of the Russian language for heritage students who seek to improve literacy in the language. Not open to students who have taken RUSS 20100 RUSS 20200 sequence. Two semesters in one.
prereq: RUSS 10300 or instructor's permission.
6 hrs 6 cr.

RUSS 39900 - Second Language Acquisition

A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.
prereq: at least three courses at the 300 level in the language, ENGL 120
3 hrs 3 cr.

Russian and Slavic Studies: Russian courses conducted in Russian

RUSS 30100 - Advanced Russian I

Speaking, writing and reading Russian. Sentence structure; oral and written reports.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 30200 - Advanced Russian II

GER 3/A
Reading and critical analysis of selected literary and journalistic texts. Consideration of levels of style, problems of idiom and syntax. Written and oral reports.
prereq: RUSS 20200 or equiv
3 hrs 3 cr.

RUSS 31200 - Advanced Russian Conversation I

Conversation and oral exercises; discussions based on readings of social and cultural interest. Introduction to oral interpreting.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31300 - Advanced Russian Conversation II

Literary, political, social, scientific vocabulary. Scholarly reports and practical exchanges on selected topics.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 31400 - Advanced Russian Grammar

prereq: RUSS 20200 or equiv.
3 hrs 3 cr.
RUSS 31500 - Advanced Russian Grammar and Stylistics
Practice in written composition; consideration of verbal aspects, cases, syntax and idiomatic language.
 prereq: RUSS 20200 or equiv.
 3 hrs 3 cr.

RUSS 31700 - Practical Aspects of Translation
Introduction to techniques of translation. Translations of political, journalistic, commercial, scientific and literary texts.
 prereq: RUSS 20200 or equiv.
 3 hrs 3 cr.

RUSS 31800 - Advanced Translation
Continuation of RUSS 317 on an advanced level. Further development of skills in translating diverse materials from Russian to English and from English to Russian.
 prereq: ENGL 12000, RUSS 31700 or equiv; RUSS 20200 or equiv.
 3 hrs 3 cr.

RUSS 31900 - Business Russian
Increase mastery of Russian vocabulary, style and syntax for translating and composing diverse business materials in such fields as finance, insurance, litigation, advertising and labor relations. Conducted in Russian.
 prereq: RUSS 20200 or equiv.
 3 hrs 3 cr.

Russian and Slavic Studies: Russian Literature in the Original

RUSS 24500 - Russian Folklore: Slavic Myths and Traditions
Common Slavic myths, traditions and social structures.
 prereq: RUSS 20200 or equiv.
 3 hrs 3 cr.

RUSS 24600 - Special Topics in Slavic Literature and Cultures
Sample topic: fairy tales, satire.
 prereq: RUSS 20200 or equiv.
 3 hrs 3 cr.

RUSS 32100 - Russian Short Story and Novella
GER 3/A PD/D
Analysis of various texts and readings from Gogol, Chekhov, Babel, Solzhenitsyn.
 prereq: RUSS 20200 or equiv.
 3 hrs 3 cr.
RUSS 32200 - Classical Russian Poetry

GER 3/A PD/D
Major poets from the late 18th to mid-19th century, including Lomonosov, Derzhavin, Pushkin, Lermontov and Nekrasov.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 32300 - Modern Russian Poetry

GER 3/A PD/D
Major poets of the late 19th and 20th centuries, including Fet, Tyutchev, Blok, Mayakovskiy, Esenin, Pasternak, Yevtushenko.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 32400 - Literature of Kievan Rus' and Early Russian Literature through the Age of Classicism

GER 3/A
Major literary works of the Kievan period, 968 to 1237: The Primary Chronicle, The Tale of Igor's Campaign.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34000 - 19th Century Russian Literature

GER 3/A
Pushkin's Eugene Onegin, Lermontov's Hero of Our Time, Gogol's Dead Souls, Turgenev's Fathers and Sons and others.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34100 - Tolstoy and Dostoevsky

GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Anna Karenina, Dostoevsky's The Brothers Karamazov and others.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34200 - Modern Russian Literature

GER 3/A PD/D
Gorky, Mayakovskiy, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34300 - Russian Theater
GER 3/A PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Pushkin, Gogol, Chekhov and others.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 34400 - The Silver Age of Russian Literature

GER 3/A PD/D
Major writers and movements of years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 36000 - Russian Women Writers

GER 3/A PD/C
cross-listed WGS 36100
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

RUSS 49100 - Honors Project

Open to Russian majors only. Essay.
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

Russian and Slavic Studies: Russian Literature and Culture in English Translation

RUSS 15500 - The Culture of Old Russia

GER 2/C PD/D
Religion, art, architecture and daily life in medieval Russia.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 15600 - Culture of Imperial Russia: the Age of Empresses

GER 2/C PD/C
Major cultural movements of the Empire baroque, classicism, romanticism and their effect on the cultural fabric of Russia from Regent Sophia through the reign of Peter to Catherine the Great.
cross-listed WGS 15600
prereq: ENGL 12000
3 hrs 3 cr.
RUSS 15700 - The Age of the Great Masters

GER 2/C PD/D
Russian culture as shaped by the great masters of Russian literature, art and music in the late 19th and early 20th centuries.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 15800 - Contemporary Russian Culture

GER 2/C
Survey of Russian culture from Stalin to present exploring the relationship between the arts and the state apparatus. Consideration of such figures as Pasternak, Solzhenitsyn, Yevtushenko, Prokofiev, Tarkovsky and the Taganka Theatre.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25000 - 19th Century Russian Literature in English Translation (W)

GER 2/C PD/D
Pushkin's Eugene Onegin, Lermontov's Hero of Our Time, Gogol's Dead Souls, Turgenev's Fathers and Sons and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25100 - Tolstoy and Dostoevsky in English Translation (W)

GER 3/A PD/D
Major novels of Russia's two greatest writers. Tolstoy's War and Peace, Dostoevsky's The Brothers Karamazov and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25200 - Modern Russian Literature in English Translation (W)

GER 2/C PD/D
Gorky, Mayakovsky, Olesha, Babel, Sholokhov, Bulgakov, Nabokov, et al.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25300 - Russian Theater in English Translation (W)

GER 2/C PD/D
Development of Russian drama and theater from early 19th century to present. Griboedov, Chekhov, Pushkin, Gogol and others.
prereq: ENGL 12000
3 hrs 3 cr.

RUSS 25400 - The Silver Age of Russian Literature in English Translation (W)
GER 2/C PD/D
Major writers and movements of the years 1890-1925. Short works by Chekhov, Sologub, Belyi, Blok, Akhmatova, Pasternak.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25500 - Russian Folklore, in Translation (W)

GER 2/C PD/D
Common Slavic myths and traditions.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25600 - Special Topics in Slavic Literatures and Cultures in English Translation

PD/D
Examples: the Russian cinema, Nabokov.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 25700 - Masterpieces of Russian Literature in English Translation

Examples: Chekhov's short stories or plays, Nabokov.
prereq: ENGL 12000
1 hr1 cr.

RUSS 25800 - Masterpieces of Russian Literature in English Translation

Example: Pasternak's Dr. Zhivago.
prereq: ENGL 12000
1 hr1 cr.

RUSS 25900 - Masterpieces of Russian Literature in English Translation

Examples: Solzhenitsyn's Gulag, Pushkin stories, Gogol stories.
prereq: ENGL 12000
1 hr1 cr.

RUSS 26000 - Russian Women Writers in English Translation (W)

GER 3/A PD/C
cross-listed WGS 26000 (W)
prereq: ENGL 12000
3 hrs3 cr.

RUSS 27000 - Soviet and Post-Soviet Cinema and Society (W)
GER 2/C
Exploration of how Soviet cinema affected the cultural aesthetic sensibilities of the Russian people through its influence on Russian literature, theater and painting. Analysis of works of film directors, film theoreticians, writers, theatrical directors and artists.
3 hrs3 cr.

RUSS 29300 - Folklore in Translation: A Comparative Study

PD/A
Folklore of Australia, Oceania, Europe, Africa, North and South America and the Near East will be read in juxtaposition to Russian folklore.
prereq: ENGL 120
3 hrs3 cr.

RUSS 29400 - Folklore and Literature (W)

GER 3/A PD/D
Students will be introduced to basic concepts of literature and folklore to increase, through a comparative study, their understanding and appreciation of both art forms. Works in English of major Russian writers such as Pushkin, Gogol and Pilnyak will be read in juxtaposition with folklore genres in search of how literary texts mirror folklore subjects. European, African and South American literature and folklore will be introduced or comparative purposes.
prereq: ENGL 12000
3 hrs3 cr.

RUSS 29500 - The Vampire in Lore and Literature

GER 2/C
Comparative study of the vampire in various folk and literary traditions from ancient Greece to the 21st century.
prereq: ENGL 22000
3 hrs3 cr.

RUSS 29600 - Vladimir Nabokov Between Two Cultures

GER 3/A
Nabokov as a bilingual writer, including major works originally written in Russian and in English: Priglashenie na kazn (Invitation to a Beheading); Dar (The Gift); Drugie Berega (Other Shores); Speak, Memory; Pnin; Lolita and Pale Fire.
prereq: ENGL 22000 or perm dept.
3 hrs3 cr.

RUSS 29700 - The Russian Urban Novel in English Translation (W)

GER 3/A
The interaction of a theme (the city) and a genre (the novel). Crime and Punishment, The Master and Margarita, We and others in their comparative context.
prereq: ENGL 22000 or perm dept.
3 hrs3 cr.

RUSS 37000 - Independent Study in Slavic Literatures and Cultures
prereq: ENGL 120
3 hrs 3 cr.

Russian and Slavic Studies: Ukrainian

UKR 30000 - Independent Study in Ukrainian Language and Literature
3 hrs 3 cr.

Programs and Courses in Comparative Literature

Comparative Literature

About Comparative Literature

The major in comparative literature is designed for students who are interested in a broad view of literature and in the diversity of literary cultures. The study of comparative literature considers literary movements and genres, as well as techniques and recurring themes in world literature.

The study of comparative literature prepares students for careers in teaching, interpreting, and translating, as well as those professions that recognize the importance of a broad humanistic education, including law and medicine.

Programs and Courses

Programs and Courses in Comparative Literature

Administration and Faculty

Program Office:

1318 West
(212) 772-5129/5093

Coordinator:

Paolo Fasoli
1318 West
(212) 772-5159
pfasoli@hunter.cuny.edu

Faculty

Comparative Literature Faculty

HEGIS Code: 1503
Undergraduate Major

Comparative Literature - BA

Major Requirements

All majors take a core course in methodology, but the remaining classes in a student’s program are arranged with the coordinator in an effort to work out a balance between two different bodies of literature, two different literary periods, and two different genres. In addition to comparative literature courses in prose fiction, drama, myth and folklore, literary movements, and literature and the arts, majors may also elect appropriate classes from other literature departments, as well as from such disciplines as history, philosophy, art and anthropology, with the approval of the coordinator. Upon becoming a major, a student will, in consultation with the coordinator, choose one member of the comparative literature committee as an adviser and plan an individualized program. All majors are required to review their programs with their adviser once a semester.

The comparative literature major consists of 30 credits distributed as follows:

A. Concentration in at least two periods and in two genres.

B. At least 9 credits in COMP-prefixed courses, beginning with the following

(all of these courses will be taught in English)

**COMPL 30100 - Seminar: Approaches to Comparative Literature**

Study of selected major works to demonstrate scope and various approaches of comparative literature. Focus on conscious imitation, treatment of similar themes, use of well-defined genres and conventions as well as of concepts from history of ideas. Emphasis on close reading of texts and development of critical vocabulary.

*Required of all majors in comparative literature.*

3 hrs 3 cr.

C. 21 credits in literature courses

distributed so that at least 12 credits are courses studied in the original language (be it a foreign language, if the student is proficient in that language, or English). Courses at the 300 level are strongly preferred, although exceptions may be granted by the adviser.

Minor for Students Majoring in Comparative Literature
A 12 credit minor is required. Students will be advised by their Comparative Literature faculty mentor to choose a discipline that will complement and enrich their major field of study.

Minor in Comparative Literature for Students Majoring in Other Programs

If this minor is recommended by the major department, students may consult a Comparative Literature adviser who will help them select suitable courses.

Honors

Students are eligible for departmental honors if their GPA in the major is no less than 3.5. The student must also take at least 3 credits (but no more than 6 credits) in honors courses offered by the program and approved by the adviser. The offerings of the Comparative Literature Program are determined by the needs of students in the program and the faculty available. For specific information, consult the coordinator.

Prerequisite

**ENGL 22000 - Introduction to Literature**

**GER 2/A**

Close reading in British and American fiction, drama and poetry designed to increase students' understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.

*prereq: ENGL 12000*

*3 hrs + conf 3 cr.*

**Programs and Courses in Computer Science**

**Computer Science**

**About the Department**

The Department of Computer Science provides students with outstanding preparation both for employment as computer professionals and for graduate study. Students use a broad spectrum of programming languages and machine architectures and are expected to construct creative solutions to challenging problems in a variety of contexts. In addition, students are educated in the mathematics of computer science — the theoretical foundations that support current technology and will guide its future development. Students may work with faculty who engage in research, publish books and articles in highly respected journals and receive grants to pursue significant research. The department takes an active interest in students’ goals and provides extensive advising and guidance.

**Programs and Courses**

Programs and Courses in Computer Science

**Administration and Faculty**
Undergraduate Major

Computer Science - BA

- Computer Science with Concentration in Bioinformatics - BA

Major

The computer science major consists of 39 credits in CSCI courses and a collateral 14 credits in MATH/STAT courses.

Preliminary Course

Before being permitted to enter computer science as a major, a student must complete the following two courses each with a grade of C or better. Students planning to pursue a computer science major are strongly encouraged to declare their major as soon as possible after completing CSCI 13500 and CSCI 13600 and to seek help from a faculty adviser for assistance with individual curriculum planning.

CSCI 13500 - Software Analysis and Design I

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.

prereq: CSCI 12700 or equivalent
coreq: CSCI 13600
3 hrs 3 cr.

CSCI 13600 - Supervised Programming Lab
Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment. 

*May not be counted towards the computer science major.*

**coreq:** CSCI 13500

2 hrs1 cr.

### Required Courses

All computer science majors (except those following requirements for the Computer Science with Concentration in Bioinformatics - BA) must complete successfully the following courses with a grade of C or better:

**CSCI 15000 - Discrete Structures**

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.

**prereq:** MATH 12500, 15000 or 15500

3 hrs3 cr.

**CSCI 16000 - Computer Architecture I**

GER 3/B

Boolean algebra, data representation, combinational circuits and minimization, sequential circuits.

**prereq:** CSCI 12700, 15000

3 hrs3 cr.

**CSCI 23500 - Software Analysis and Design II**

GER 3/B

Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.

**prereq:** CSCI 13500, 15000; MATH 15000

3 hrs3 cr.

**CSCI 26000 - Computer Architecture II**

GER 3/B

Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.

**prereq:** CSCI 13500, 16000 or 24500; MATH 15000

3 hrs3 cr.

**CSCI 26500 - Computer Theory I**

GER 3/B

Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata.
CSCI 33500 - Software Analysis and Design III

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.

prereq: CSCI 23500, MATH 15500
3 hrs3 cr.

CSCI 34000 - Operating Systems

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.

prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300
3 hrs3 cr.

CSCI 36000 - Computer Architecture III

GER 3/B
High performance computer architectures, including massively parallel SIMD and MIMD machines and distributed architectures.

prereq: CSCI 26000 or 24500; MATH 15500
3 hrs3 cr.

CSCI 49900 - Advanced Applications: A Capstone for Majors

A chance for computer science majors to test their mettle on major projects. Working in small groups they will implement systems that involve at least two platforms running programs written in at least three languages.

prereq: All non-elective courses in Computer Science required for graduation or permission of instructor.
4 hrs4 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000
4 hrs4 cr.
MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.

Prereq: MATH 12500 or appropriate score on placement exam
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

Prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

Electives

Students who declared their major in spring 2009 or before

Students who declared their major in or before spring 2009 are held bound by this rule: In addition to the preliminary and required courses, each major must complete 15 hours of elective credits from CSCI courses higher than 200-level with a grade of C or better. At least 12 elective credits must be in classes other than CSCI 39100, CSCI 39200, and CSCI 39300. With departmental permission, certain appropriate upper-level electives from other academic departments may be substituted. They are not required to take CSCI 49900, but may choose it as an elective.

Students who declared their major after Spring 2009

Students who declared their major after spring 2009 take a minimum of 11 (rather than 15) elective credit hours and are required to successfully complete CSCI 49900, after having successfully completed all other required courses for the major.

Recommended course sequence for entering freshmen without credit for pre-calculus and without prior computer programming experience:

Term 1

MATH 12500 - Precalculus

GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.

Prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
4 hrs4 cr.
CSCI 12700 - Introduction to Computer Science

GER 2/E
A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides.
*May not be used toward the CSCI major or minor.*
*prereq or coreq: MATH 12100, 12500 or 15000*
3 hrs3 cr.

Term 2

CSCI 13500 - Software Analysis and Design I

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.
*prereq: CSCI 12700 or equivalent
coreq: CSCI 13600*
3 hrs3 cr.

CSCI 13600 - Supervised Programming Lab

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment.
*May not be counted towards the computer science major.*
*coreq: CSCI 13500*
2 hrs1 cr.

CSCI 15000 - Discrete Structures

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.
*prereq: MATH 12500, 15000 or 15500*
3 hrs3 cr.

Term 3

CSCI 16000 - Computer Architecture I

GER 3/B
Boolean algebra, data representation, combinational circuits and minimization, sequential circuits.

*prereq: CSCI 12700, 15000*
3 hrs3 cr.

CSCI 15000 - Discrete Structures
Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.
prereq: MATH 12500, 15000 or 15500
3 hrs 3 cr.

Term 4

CSCI 23500 - Software Analysis and Design II

GER 3/B
Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.
prereq: CSCI 13500, 15000; MATH 15000
3 hrs 3 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

Term 5

CSCI 26000 - Computer Architecture II

GER 3/B
Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.
prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs 3 cr.

CSCI 33500 - Software Analysis and Design III

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.
prereq: CSCI 23500, MATH 15500
3 hrs 3 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
Term 6

**CSCI 26500 - Computer Theory I**

GER 3/B
Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata.

*prereq: CSCI 16000 or 14500; MATH 15000*

3 hrs3 cr.

**CSCI 36000 - Computer Architecture III**

GER 3/B
High performance computer architectures, including massively parallel SIMD and MIMD machines and distributed architectures.

*prereq: CSCI 26000 or 24500; MATH 15500*

3 hrs3 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

*prereq: MATH 12500 or appropriate score on placement exam.*

3 hrs3 cr.

Term 7

**CSCI 34000 - Operating Systems**

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.

*prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300*

3 hrs3 cr.

- 2 CSCI electives

Term 8

**CSCI 49900 - Advanced Applications: A Capstone for Majors**

A chance for computer science majors to test their mettle on major projects. Working in small groups they will implement systems that involve at least two platforms running programs written in at least three languages.
prereq: All non-elective courses in Computer Science required for graduation or permission of instructor.
4 hrs 4 cr.

and 2 CSCI electives

Additional Information

Students with both credit for pre-calculus and prior computer programming experience can begin with Semester 2.

Recommended course sequence for students with transfer credit for CSCI 13500, 15000 and 16000 and MATH 15000 and 15500:

Term 1

**CSCI 23500 - Software Analysis and Design II**

GER 3/B
Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.

*prereq: CSCI 13500, 15000; MATH 15000*
3 hrs 3 cr.

**CSCI 26000 - Computer Architecture II**

GER 3/B
Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.

*prereq: CSCI 13500, 16000 or 24500; MATH 15000*
3 hrs 3 cr.

**MATH 16000 - Matrix Algebra**

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.

*prereq: MATH 12500 or appropriate score on placement exam*
3 hrs 3 cr.

Term 2

**CSCI 33500 - Software Analysis and Design III**

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.
**CSCI 26500 - Computer Theory I**

GER 3/B  
Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata.  
*prereq: CSCI 16000 or 14500; MATH 15000*  
3 hrs3 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B  
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.  
*prereq: MATH 12500 or appropriate score on placement exam.*  
3 hrs3 cr.

**Term 3**

**CSCI 34000 - Operating Systems**

GER 3/B  
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.  
*prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300*  
3 hrs3 cr.  
• 2 CSCI electives

**Term 4**

**CSCI 36000 - Computer Architecture III**

GER 3/B  
High performance computer architectures, including massively parallel SIMD and MIMD machines and distributed architectures.  
*prereq: CSCI 26000 or 24500; MATH 15500*  
3 hrs3 cr.

**CSCI 49900 - Advanced Applications: A Capstone for Majors**

A chance for computer science majors to test their mettle on major projects. Working in small groups they will implement systems that involve at least two platforms running programs written in at least three languages.  
*prereq: All non-elective courses in Computer Science required for graduation or permission of instructor.*  
4 hrs4 cr.
Recommended course sequence for students in the bioinformatics concentration:

Term 1

**CSCI 12700 - Introduction to Computer Science**

GER 2/E
A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides. 
*May not be used toward the CSCI major or minor.*
*prereq or coreq: MATH 12100, 12500 or 15000*
3 hrs 3 cr.

**MATH 12500 - Precalculus**

GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.
*prereq: grade of C or better in MATH 10100 or appropriate score on placement exam*
4 hrs 4 cr.

Term 2

**CSCI 13500 - Software Analysis and Design I**

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.
*prereq: CSCI 12700 or equivalent*  
*coreq: CSCI 13600*
3 hrs 3 cr.

**CSCI 13600 - Supervised Programming Lab**

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment. 
*May not be counted towards the computer science major.*
*coreq: CSCI 13500*
2 hrs 1 cr.

**CSCI 15000 - Discrete Structures**

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.
prereq: MATH 12500, 15000 or 15500
3 hrs3 cr.

Term 3

CSCI 26000 - Computer Architecture II

GER 3/B

Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.
prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs3 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B

Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D

The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

Term 4

CSCI 23500 - Software Analysis and Design II

GER 3/B

Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.
prereq: CSCI 13500, 15000; MATH 15000
3 hrs3 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B

Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.
CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. *Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec)4 cr.

Term 5

CSCI 33500 - Software Analysis and Design III

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.
*prereq: CSCI 23500, MATH 15500*
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
*prereq: MATH 12500 or appropriate score on placement exam.*
3 hrs3 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. *Primarily for premed, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory. *Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 10200*
*coreq: CHEM 10400*
8 hrs (6 lab, 2 rec)3 cr.

Term 6
CSCI 34000 - Operating Systems

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.

prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300
3 hrs3 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.

prereq: MATH 12500 or appropriate score on placement exam
3 hrs3 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

Term 7

CSCI 43500 - Database Management

GER 3/B
Hierarchical and network databases; theory of relational databases; normalization theory; query languages.

prereq: CSCI 33500
3 hrs3 cr.

STAT 31900 - Bayesian Statistical Inference in the Sciences

GER 3/B

prereq: MATH 15500; at least one of STAT 21200, STAT 21300 or STAT 21400 (or permission of instructor).
Prerequisites waived for students who have passed STAT 311.
Familiarity with matrix algebra (at the level of MATH 160) and with the Windows computing environment are encouraged.

3 hrs3 cr

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and
function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.

$10 materials fee required.

prereq: BIOL 20200, CHEM 22200, 22300

coreq: CHEM 22400

7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

fall only

Term 8

Minor in Computer Science

A minor in Computer Science consists of 13-14 credits of coursework. These credits include the following required courses – note that MATH 12500 is a prerequisite course to CSCI 12700 however MATH 125 does not count towards the Computer Science Minor:

**CSCI 12700 - Introduction to Computer Science**

GER 2/E

A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides. 

*May not be used toward the CSCI major or minor.*

prereq or coreq: MATH 12100, 12500 or 15000

3 hrs3 cr.

**CSCI 13300 - Programming for Everyone**

GER 2/E

A comprehensive practical course in programming that concentrates on producing working software for games, simulations, animations, data manipulations, interacting with the Internet, graphical user interfaces and many other application areas. No programming experience is necessary. This course is required for Computer Science minors. This course does not count toward the computer science major.

3 hrs3 cr.

**CSCI 23200 - Relational Databases and SQL Programming, with Lab**

GER 3/B

An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.

*Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.*

prereq: CSCI 13200

3 hrs3 cr.

**CSCI 23300 - Programming Projects Seminar for Minors**
This course will serve as a capstone for the minor, affording students the opportunity to write reasonably large and complex programs. Students will be expected to draw topics for these programs from their majors or other areas of interest. This course does not count toward the computer science major.

prereq or coreq: CSCI 13300 and 23200 and a declared Computer Science Minor.

2 hrs.1 credit

In addition, students will be required to take at least one 3 credit elective selected from Computer Science offerings numbered 13500 or above. Although minors may take any Computer Science course numbered 135 or above, courses that require only one or more of the above courses as prerequisites include:

**CSCI 13500 - Software Analysis and Design I**

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.

prereq: CSCI 12700 or equivalent

3 hrs3 cr.

**CSCI 13600 - Supervised Programming Lab**

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment.

May not be counted towards the computer science major.

coreq: CSCI 13500

2 hrs1 cr.

**CSCI 15000 - Discrete Structures**

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.

prereq: MATH 12500, 15000 or 15500

3 hrs3 cr.

**CSCI 16000 - Computer Architecture I**

GER 3/B

Boolean algebra, data representation, combinational circuits and minimization, sequential circuits.

prereq: CSCI 12700, 15000

3 hrs3 cr.

**CSCI 26700 - Microprocessors and Embedded Systems**

GER 3/B

Students will assemble and program a small single board computer to control, or simulate control of, some device.

prereq: CSCI 13300 or 26000

3 hrs3 cr.
Note

All prerequisites must be fulfilled for any CSCI course. The only exception is a written waiver from the instructor.

Prospective minors should be aware that this course of study usually requires a minimum of four semesters to complete.

Please note

Computer science majors cannot choose computer science for their minor.

Minors for Computer Science Majors

Hunter College no longer requires students to take a minor field of study in conjunction with their major. Nevertheless, because of the broad spectrum of interests among computer science majors at Hunter, students interested in pursuing a minor field of study may wish to combine a minor with the computer science major in is such fields as mathematics, geography, economics, film and media.

Mathematics - BA

Geography - BA

Economics - BA

Film - BA

Media Studies - BA

Consult an adviser in the department of the minor you wish to pursue for further information.

Honors

To graduate from Hunter College with honors in computer science, a student must have at least a 2.7 GPA overall and a 3.5 GPA or better in computer science/math and a grade of A in one of the CSCI 49300 series of courses.

Additional Information

The “one repeat” rule is in effect for all courses to be used toward the major, from CSCI 13500 through the 400-level courses. This means that if a student fails a CSCI major course once (failure = D, F, NC, WU), that student will have only one more chance to pass the course. In addition, the Computer Science Department will not accept a CR grade in any of the preliminary or required courses for the major (CSCI 13500, CSCI 15000, CSCI 16000, CSCI 23500, CSCI 26000, CSCI 26500, CSCI 33500, CSCI 34000, CSCI 36000). Any student wishing to declare computer science as a major who has received a grade of CR in any of the CSCI courses listed above, must ask the instructor of that course to change the CR grade to the appropriate letter grade. This must be done before the declaration of major form can be authorized.

Please note: A grade of “D” is not considered a passing grade by this department for any of the computer science or math courses required for the major.

Computer Science with Concentration in Bioinformatics - BA
This course of study will provide computer science majors with a fundamental understanding of the most important aspects of quantitative and computational biology, including a solid background in biology, chemistry, mathematics, statistics, and computer science, with an emphasis on quantitative reasoning. Students opting to concentrate in bioinformatics are not required to take CSCI 26000, CSCI 26500, and CSCI 36000, but are strongly encouraged to take CSCI 26500. Instead of 15 hours of 300-level and 400-level elective credits, the following requirements must be met:

**Preliminary Courses**

A student may declare a concentration in bioinformatics upon successful completion of CSCI 13500 - Software Analysis and Design I when declaring computer science as a major field of study.

**Required Courses**

Students must obtain a grade of C or better in the following courses:

**Computer science component 24 credits**

**CSCI 13500 - Software Analysis and Design I**

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.

*prereq: CSCI 12700 or equivalent*  
*coreq: CSCI 13600*

3 hrs 3 cr.

**CSCI 15000 - Discrete Structures**

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.

*prereq: MATH 12500, 15000 or 15500*

3 hrs 3 cr.

**CSCI 23500 - Software Analysis and Design II**

GER 3/B  
Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.

*prereq: CSCI 13500, 15000; MATH 15000*

3 hrs 3 cr.

**CSCI 26000 - Computer Architecture II**

GER 3/B  
Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.
prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs 3 cr.

CSCI 33500 - Software Analysis and Design III

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness. 
prereq: CSCI 23500, MATH 15500
3 hrs 3 cr.

CSCI 34000 - Operating Systems

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation. 
prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300
3 hrs 3 cr.

CSCI 43500 - Database Management

GER 3/B
Hierarchical and network databases; theory of relational databases; normalization theory; query languages. 
prereq: CSCI 33500
3 hrs 3 cr.

CSCI 49366 - UNIX System Programming

GER 3/B
An introduction to the key components of the UNIX application programming interface, including files, processes, terminal control, signals, interprocess communication, the ncurses library, and multi-threading. Includes basic of the internal structure of the UNIX operating system, and selected user-level utilities and commands for efficient programming and working in UNIX. 
prereq or coreq: CSCI 23500, 34000
3 hours 3 credits

Math and statistics component 17 credits

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications. 
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series,
improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

**MATH 16000 - Matrix Algebra**

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.

prereq: MATH 12500 or appropriate score on placement exam
3 hrs 3 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

**STAT 31900 - Bayesian Statistical Inference in the Sciences**

GER 3/B

prereq: MATH 15500; at least one of STAT 21200, STAT 21300 or STAT 21400 (or permission of instructor).
Prerequisites waived for students who have passed STAT 311.
Familiarity with matrix algebra (at the level of MATH 160) and with the Windows computing environment are encouraged.

3 hrs 3 cr

**Biology component 12 credits**

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

**BIOL 30000 - Biological Chemistry**
GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300
coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

- or -

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

BIOL 42500 - Computational Molecular Biology

GER 3/B
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of in silico biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and prediction of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting.
Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.

Chemistry component 12 credits

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II
GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.  
*Primarily for premed, medical laboratory sciences and science majors.*

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.

*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.

**Recommended course sequence for students in the bioinformatics concentration:**

**Term 1**

**CSCI 12700 - Introduction to Computer Science**

GER 2/E
A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides.

*May not be used toward the CSCI major or minor.*

**MATH 12500 - Precalculus**
GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.
prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
4 hrs 4 cr.

Term 2

CSCI 13500 - Software Analysis and Design I

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.
prereq: CSCI 12700 or equivalent
coreq: CSCI 13600
3 hrs 3 cr.

CSCI 13600 - Supervised Programming Lab

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment.
May not be counted towards the computer science major.
coreq: CSCI 13500
2 hrs 1 cr.

CSCI 15000 - Discrete Structures

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.
prereq: MATH 12500, 15000 or 15500
3 hrs 3 cr.

Term 3

CSCI 26000 - Computer Architecture II

GER 3/B
Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.
prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs 3 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.
BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
fall only

Term 4

CSCI 23500 - Software Analysis and Design II

GER 3/B
Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.
prereq: CSCI 13500, 15000; MATH 15000
3 hrs3 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. 
Primaryy for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

Term 5

CSCI 33500 - Software Analysis and Design III

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.
prereq: CSCI 23500, MATH 15500
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. 
*Primarily for premed, medical laboratory sciences and science majors.*
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

**Term 6**

**CSCI 34000 - Operating Systems**

GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.
prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300
3 hrs 3 cr.

**MATH 16000 - Matrix Algebra**

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs 3 cr.

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.
Term 7

CSCI 43500 - Database Management

GER 3/B
Hierarchical and network databases; theory of relational databases; normalization theory; query languages.
prereq: CSCI 33500
3 hrs 3 cr.

STAT 31900 - Bayesian Statistical Inference in the Sciences

GER 3/B
prereq: MATH 15500; at least one of STAT 21200, STAT 21300 or STAT 21400 (or permission of instructor).
Prerequisites waived for students who have passed STAT 311.
Familiarity with matrix algebra (at the level of MATH 160) and with the Windows computing environment are encouraged.
3 hrs 3 cr

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300 coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

Term 8

CSCI 49366 - UNIX System Programming

GER 3/B
An introduction to the key components of the UNIX application programming interface, including files, processes, terminal control, signals, interprocess communication, the ncurses library, and multi-threading. Includes basic of the internal structure of the UNIX operating system, and selected user-level utilities and commands for efficient programming and working in UNIX.
prereq or coreq: CSCI 23500, 34000
3 hours 3 credits

BIOL 42500 - Computational Molecular Biology
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of *in silico* biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and predication of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting. Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

**Computer Science**

**CSCI 11500 - Computer Technology in Childhood Education**

Open only to students in QUEST program. Students learn to use a number of software tools and applications that can be infused into the curriculum of the elementary school. Includes a focus on information retrieval using Internet resources and use of such application packages as Microsoft Excel, Microsoft Power Point, Inspiration and Timeliner.

*prereq or coreq: QSTA 40000*

3 hrs (1 lec, 2 lab) 2 cr.

**CSCI 12000 - Introduction to Computers**

**GER 2/E**

Intended for non-majors. Basic concepts of computer technology. Principles of hardware operation, software and networking. Roles of computers in society, including ethical and legal issues.

*This course cannot be counted towards the CSCI major*

*prereq: none*

3 hrs 3 cr.

**CSCI 12100 - Computers and Money: Quantitative Reasoning in Context**

**GER 1/B**

Quantitative reasoning tackled from a computer based perspective and focusing on practical financial topics-stocks, gambling, inflation, diversification, taxes, hedging, saving, real estate, retirement and others. Students take a hands-on, spreadsheet-based approach to understanding issues of money and personal finance.

*This course cannot be counted towards the CSCI major.*

*prereq: none*

3 hrs 3 cr.

**CSCI 12700 - Introduction to Computer Science**

**GER 2/E**

A technical introduction to computer science. Organization of hardware, software, information and an introduction to programming. This course is meant for: potential computer science majors who may not be prepared for CSCI 135; science majors who need some basic computer knowledge; and non-CSCI majors who want a more rigorous introduction to the field than CSCI 120 provides.
May not be used toward the CSCI major or minor.
prereq or coreq: MATH 12100, 12500 or 15000
3 hrs 3 cr.

**CSCI 13200 - Practical UNIX and Programming, with Lab**

GER 2/E
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition.
*This course cannot be counted towards the CSCI major.*
prereq: none
3 hrs 3 cr.

**CSCI 13300 - Programming for Everyone**

GER 2/E
A comprehensive practical course in programming that concentrates on producing working software for games, simulations, animations, data manipulations, interacting with the Internet, graphical user interfaces and many other application areas. No programming experience is necessary. This course is required for Computer Science minors. This course does not count toward the computer science major.

3 hrs 3 cr.

**CSCI 13500 - Software Analysis and Design I**

This first course for prospective computer science majors and minors concentrates on problem-solving techniques using a high-level programming language. The course includes a brief overview of computer systems.
prereq: CSCI 12700 or equivalent
coreq: CSCI 13600
3 hrs 3 cr.

**CSCI 13600 - Supervised Programming Lab**

Students work in small teams to complete weekly programming assignments under the supervision of an instructor. Assignments are at the level of material covered in CSCI 135 and CSCI 127 though this is not a recitation or review section for either course. Emphasis is on solving problems in a cooperative programming environment.
*May not be counted towards the computer science major.*
coreq: CSCI 13500
2 hrs 1 cr.

**CSCI 15000 - Discrete Structures**

Mathematical background required for computer science. Sets, relations, cardinality, propositional calculus, discrete functions, truth tables, induction, combinatorics.
prereq: MATH 12500, 15000 or 15500
3 hrs 3 cr.

**CSCI 16000 - Computer Architecture I**
GER 3/B
Boolean algebra, data representation, combinational circuits and minimization, sequential circuits.

prereq: CSCI 12700, 15000
3 hrs3 cr.

CSCI 18100 - Independent Workshop
Outside internship in practical aspects of computing; e.g., systems programming, biomedical computing, computer-aided instruction.
Credits may not be used toward the computer science major.
prereq: declared computer science major with 18 credits completed in the department
1-3 hrs1-3 cr.

CSCI 18200 - Independent Workshop
Outside internship in practical aspects of computing; e.g., systems programming, biomedical computing, computer-aided instruction.
Credits may not be used toward the computer science major.
prereq: declared computer science major with 18 credits completed in the department
1-3 hrs1-3 cr.

CSCI 18300 - Independent Workshop
Outside internship in practical aspects of computing; e.g., systems programming, biomedical computing, computer-aided instruction.
Credits may not be used toward the computer science major.
prereq: declared computer science major with 18 credits completed in the department
1-3 hrs1-3 cr.

CSCI 23200 - Relational Databases and SQL Programming, with Lab
GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.
Required for computer science minors; open to computer science majors, but may not be used toward the computer science major,
prereq: CSCI 13200
3 hrs3 cr.

CSCI 23300 - Programming Projects Seminar for Minors
This course will serve as a capstone for the minor, affording students the opportunity to write reasonably large and complex programs. Students will be expected to draw topics for these programs from their majors or other areas of interest. This course does not count toward the computer science major.
prereq or coreq: CSCI 13300 and 23200 and a declared Computer Science Minor.
2 hrs.1 credit
CSCI 23500 - Software Analysis and Design II

GER 3/B
Representation of information in computers, including process and data abstraction techniques. Topics covered include static and dynamic storage methods, lists, stacks, queues, binary trees, recursion, analysis of simple algorithms and some searching and sorting algorithms.
prereq: CSCI 13500, 15000; MATH 15000
3 hrs 3 cr.

CSCI 24500 - Computer Architecture II

GER 3/B
Boolean algebra, data representation, combinational circuits and minimization, sequential circuits.
prereq: CSCI 145, CSCI 150, MATH 150
3 hrs 3 cr.

CSCI 26000 - Computer Architecture II

GER 3/B
Organization of computer systems and design of system elements, including ALU, memories and interfaces. Some assembly language programming.
prereq: CSCI 13500, 16000 or 24500; MATH 15000
3 hrs 3 cr.

CSCI 26500 - Computer Theory I

GER 3/B
Recursion, regular sets, regular expressions, finite automata, context-free grammars, pushdown automata.
prereq: CSCI 16000 or 14500; MATH 15000
3 hrs 3 cr.

CSCI 26700 - Microprocessors and Embedded Systems

GER 3/B
Students will assemble and program a small single board computer to control, or simulate control of, some device.
prereq: CSCI 13300 or 26000
3 hrs 3 cr.

CSCI 33500 - Software Analysis and Design III

GER 3/B
The design and analysis of various types of algorithms, including searching, sorting, graph and tree algorithms. Problem-solving techniques. Worst and average case behavior analysis and optimality. Polynomial time complexity classes and theory, including NP-completeness.
prereq: CSCI 23500, MATH 15500
3 hrs 3 cr.

CSCI 34000 - Operating Systems
GER 3/B
Definition of functions and components of operating systems. Survey of contemporary multiprocessing/multiprogramming systems. Exploration of systems programs: their design, internal structure and implementation.
prereq: CSCI 23500, 26000 or 24500; MATH 15500, STAT 11300 or 21300
3 hrs 3 cr.

CSCI 35000 - Artificial Intelligence

GER 3/B
A survey of artificial intelligence including search and control, knowledge representation, logic and theorem proving, learning, natural language and AI programming.
prereq: CSCI 235
3 hrs 3 cr.

CSCI 35500 - Introduction to Linear Programming

GER 3/B
Introduction to operations research and game theory. Simplex method; inconsistency, redundancy and degeneracy problems; two-phase method; duality; transportation problems.
prereq: CSCI 235, MATH 160
3 hrs 3 cr.

CSCI 36000 - Computer Architecture III

GER 3/B
High performance computer architectures, including massively parallel SIMD and MIMD machines and distributed architectures.
prereq: CSCI 26000 or 24500; MATH 15500
3 hrs 3 cr.

CSCI 36500 - Computer Theory II

GER 3/B
Turing machines, Post machines, Post's theorem, Minsky's theorem. Determinism and non-determinism. Undecidability, the halting problem. Recursive function theory.
prereq: CSCI 265
3 hrs 3 cr.

CSCI 39100 - Independent Study in Computer Science

GER 3/B
Independent work, under the direction of a faculty member, in practical aspects of computing.
CSCI 39100 is repeatable up to a total of 6 credits; however, no more than a total of three Independent Study credits may be used toward the computer science major.
prereq: declared Computer Science major, perm instr. and dept.
1-3 hrs 1-3 cr.

CSCI 39200 - Independent Study in Computer Science
GER 3/B
Independent work, under the direction of a faculty member, in practical aspects of computing.
**prereq:** declared Computer Science major, perm instr. and dept.  
1-3 hrs 1-3 cr.

**CSCI 39300 - Independent Study in Computer Science**

GER 3/B
Independent work, under the direction of a faculty member, in practical aspects of computing.
**prereq:** declared Computer Science major, perm instr. and dept.  
1-3 hrs 1-3 cr.

**CSCI 39400 - Programming in Python, Perl and PHP**

GER 3/B
An introduction to programming in Python, Perl and PHP.  
**prereq:** CSCI 23500 or permission of department and instructor.  
2 hrs 2 cr.

**CSCI 39500 - Topics in Computer Science**

GER 3/B
Topics include internet security, web programming, genetic algorithms, expert systems and others.  
**Prerequisites vary with specific topics and are announced prior to registration.**  
3 hrs 3 cr.

**CSCI 40500 - Software Engineering**

GER 3/B
Problems in large-scale software development including functional analysis of information processing systems, system design concepts, timing estimates, documentation and system testing.  
**prereq:** CSCI 33500  
3 hrs 3 cr.

**CSCI 41500 - Data Communications and Networks**

GER 3/B
A broad technical introduction to the components, protocols, organization, industry and regulatory issues that are fundamental to the understanding of contemporary computer networks.  
**prereq:** CSCI 33500, 34000  
3 hrs 3 cr.

**CSCI 43500 - Database Management**

GER 3/B
Hierarchical and network databases; theory of relational databases; normalization theory; query languages.  
**prereq:** CSCI 33500  
3 hrs 3 cr.

**CSCI 45000 - Language Translation**
GER 3/B
The theory and application of language recognition and analysis techniques, as they pertain to both formal programming languages and to natural languages. Includes lexical, syntactic and semantic analysis methods, as well as discussions of efficient data representation.
prereq: CSCI 26500, 33500
3 hrs 3 cr.

CSCI 46000 - Advanced Programming Languages

GER 3/B
Survey course on the design and implementation of modern programming languages. Includes object-oriented, functional, logic and concurrent/distributed paradigms.
prereq: CSI 26500, 33500
3 hrs 3 cr.

CSCI 49300 - Honors Seminar

GER 3/B
Topics include Unix systems programming, computer law, 3D vision, Windows programming, neural networks, speech and language processing, fuzzy systems and other areas. Prerequisites vary with specific topics and are announced prior to registration.
prereq: Prerequisites vary with specific topics and are announced prior to registration.
3 hrs 3 cr.

CSCI 49366 - UNIX System Programming

GER 3/B
An introduction to the key components of the UNIX application programming interface, including files, processes, terminal control, signals, interprocess communication, the ncurses library, and multi-threading. Includes basic of the internal structure of the UNIX operating system, and selected user-level utilities and commands for efficient programming and working in UNIX.
prereq or coreq: CSCI 23500, 34000
3 hours 3 credits

CSCI 49600 - Supervised Research

Supervised work under the direction of a faculty member on an original research project. Although student-initiated projects are acceptable, in most cases students will be expected to work within a faculty member's active research area. These courses are repeatable. However, no more than a total of nine (9) Supervised Research credits may be counted toward the computer science major.
prereq: declared Computer Science major, perm instr. and dept.
1-3 hrs 1-3 cr.

CSCI 49700 - Supervised Research

Supervised work under the direction of a faculty member on an original research project. Although student-initiated projects are acceptable, in most cases students will be expected to work within a faculty member's active research area. These courses are repeatable. However, no more than a total of nine (9) Supervised Research credits may be counted toward the computer science major.
prereq: declared Computer Science major, perm instr. and dept.
1-3 hrs 1-3 cr.
CSCI 49800 - Supervised Research

Supervised work under the direction of a faculty member on an original research project. Although student-initiated projects are acceptable, in most cases students will be expected to work within a faculty member's active research area. These courses are repeatable. However, no more than a total of nine (9) Supervised Research credits may be counted toward the computer science major.

prereq: declared Computer Science major, perm instr. and dept.
1-3 hrs1-3 cr.

CSCI 49900 - Advanced Applications: A Capstone for Majors

A chance for computer science majors to test their mettle on major projects. Working in small groups they will implement systems that involve at least two platforms running programs written in at least three languages.

prereq: All non-elective courses in Computer Science required for graduation or permission of instructor.
4 hrs4 cr.

Programs and Courses in Dance

Dance

About the Program

The Hunter College Dance program offers an opportunity to pursue a BA degree in dance within the context of a strong liberal arts education. From a campus in the heart of New York City, the dance major or minor student has the unique opportunity of interfacing with many professional dance companies, choreographers and critics who live and work in New York. The modern dance-based curriculum provides the student with opportunities to pursue careers in performance, choreography, teaching, arts administration and production. The curriculum is enriched by community outreach performances, repertory classes with New York-based choreographers, specialty workshops, dance clubs, international performances, internships and New York State teaching certification. In addition, Hunter Dance hosts “Sharing the Legacy,” an ongoing series of conferences, forums and concerts devoted to experiencing dance masterworks of the twentieth century.

The Dance Program offers a broad based curriculum with an emphasis on modern dance, including three major areas of study:

I. Technique (modern, ballet, traditional, folk);
II. Creative theory and performance (improvisation, composition, production, repertory, lecture/demonstration touring company);
III. Theoretical and scientific aspects of dance (musicianship for dancers, dance history, theory and practice of teaching, anatomy and kinesiology, movement re-education).

Course Listings

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
Programs and Courses

Programs and Courses in Dance

Administration and Faculty

Program Office:

614 Thomas Hunter
(212) 772-5012
Web site: http://www.hunter.cuny.edu/~dance/

Director:

Jana Feinman
614 Thoms Hunter
(212) 772-5010
jfeinman@hunter.cuny.edu

Faculty

Dance Faculty

HEGIS Code: 1008

Undergraduate Major

Dance - BA

Major

(34 credits)

A placement audition is required of all incoming majors, as well as of all second-year majors. All dance majors are required to be registered in at least one technique class every semester they are in attendance at Hunter. Performance, choreography and technical production requirements are to be fulfilled prior to graduation. These requirements include:

1. Performance in at least two (2) concerts.

2. Choreography of at least two (2) works:
   a. solo performed in open composition.
   b. group work developed during fall and spring semesters and performed in formal concert.
3. Production crew work in two (2) concerts: two (2) formal concerts or one (1) formal and one (1) informal concert.

Policy on advancement through the technique curriculum

All dance students should be aware that completion of a dance technique course for a passing grade does not automatically insure acceptance into the next level of technique. For example, if you pass the Fundamentals of Contemporary Dance course, you may not necessarily be admitted to Contemporary Dance Technique I.

Your instructor will, at the end of the current course, advise you to either repeat the course for credit or to move on to the next level. (You can take technique courses twice for credit, and it is also possible to audit thereafter.) It is neither safe nor constructive to place yourself in a class that is not appropriate for your skill level. The quality of your dance education is of utmost importance to us — this policy is designed to maintain the highest standards of learning and achievement.

The following 34-credit curriculum is required of all majors.

**DAN 15100 - Folk Forms of Dance I**

Development of basic dance skills necessary for participation in international folk dances. Students are exposed to dance and music of world cultures.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

3 hrs 1 cr.

**DAN 21000 - Contemporary Dance Technique I**

GER 3/A

Analytical and physical study of basic concepts of dance: space, time, dynamics and design. Intermediate development of movement skills and vocabulary as required by professional demands. May be taken 2 times for credit with permission of the department.

*prereq: DAN 10100, perm dept, audition*

3 hrs 2 cr.

**DAN 21300 - Basic Musicianship for Dancers**

GER 3/A

Basic music theory in relation to dance. Development of auditory and kinesthetic understanding of melody, rhythm and harmony through movement. Open only to Dance majors and minors.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

*prereq: DAN 21000*

3 hrs 2 cr.

**DAN 22000 - Contemporary Dance Technique II**

GER 3/A

Development of expanded movement vocabulary and increased facility; understanding dance as means of communication; ordering of movement to produce controlled performance. May be taken two times for credit with permission of the department.
prereq: DAN 21000, perm dept, audition
3 hrs2 cr.

**DAN 22100 - Improvisation as a Creative Process I**

GER 3/A
Introduction to basic skills of structured improvisation; use of these skills by individual students to explore their creative movement potential.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

*prereq or coreq: DAN 21000 or perm dept.*
3 hrs2 cr.

**DAN 23200 - 20th-Century Dance History**

GER 2/D PD/D
Readings, lectures, films, discussions of 20th century ballet, modern, social and popular theatre dance forms; analysis of individual styles and cultural trends.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

3 hrs3 cr.

**DAN 24500 - Ballet I**

GER 3/A
Intermediate level study of stylistic demands and vocabulary of ballet and introduction to ballet traditions. May be taken two times for credit with permission of the department.

*prereq: DAN 14500, perm dept, audition*
3 hrs2 cr.

**DAN 31000 - Contemporary Dance Technique III**

GER 3/A
Advanced movement experience to prepare students to carry out their own creative demands or demands of other choreographers; continued in depth study of all concepts of dance. May be taken two times for credit with permission of the department.

*prereq: DAN 22000, audition*
3 hrs2 cr.

**DAN 32000 - Contemporary Dance Technique IV**

GER 3/A
Development of pure dance skills to enable student to learn specific styles of dance; emphasis on expanding dynamic range and clarifying performance intention. May be taken two times for credit with permission of the department.

*prereq: DAN 31000, audition*
3 hrs2 cr.

**DAN 32100 - Composition I**

GER 3/A
Assignments geared to challenge and develop creative skills; emphasis on understanding form and its relation to
content; mastering structural requirements of composition.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 22100
3 hrs, 3 hrs open studio2 cr.

DAN 32400 - Production I

GER 3/A
Practical experience in all aspects of production that contribute to realization of student's choreographic intentions: costumes, sets, lighting, publicity and business skills.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 32100 or perm dept.
3 hrs, 3 hrs open studio3 cr.

DAN 34500 - Ballet II

GER 3/A
Continuation of traditional exercises to acquaint student with elements of classic ballet; emphasis on development of advanced technical ability. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 24500, audition
3 hrs, 3 hrs open studio3 cr.

DAN 35000 - Anatomy and Kinesiology for Dancers

GER 3/A
Anatomy of skeletal, muscular and neuromuscular systems; anatomical analysis of basic movement; application of anatomical information to proper and successful performance of dance.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 22000, perm dept.
3 hrs, 3 hrs open studio3 cr.

DAN 42200 - Choreographic Projects

GER 3/A
Independent student choreographic works in preparation for performance in concert. Registration once per academic year.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 32100
3 hrs, 3 hrs open studio3 cr.

DAN 44000 - Lecture/Demonstration Touring Group

GER 3/A
Performance of prescribed choreography in lecture/demonstration format to be presented in public schools on a weekly basis during the fall semester. Open to dance majors/minors only. Students must be available to rehearse intensively for
1 week before classes begin. 

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 22000, 22100, 24500, perm dept.

4 hrs 3 cr.

Additional Information

The undergraduate adviser suggests the appropriate sequence of electives for the career specialization the student chooses.

Prerequisites for all dance majors:

**ENGL 12000 - Expository Writing**

GER 1/A

Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

prereq: successful completion of developmental courses, if required

3 hrs + conf 3 cr.

**DAN 10100 - Fundamentals of Contemporary Dance Technique**

Survey of concepts involved in understanding and integrating physicality and creativity through movement. Review of basic skills required for further study. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: minimum 12 cr. audition

3 hrs 2 cr.

**DAN 10200 - Dance, Dancers and the Audience**

GER 2/D

Lecture demonstration course designed to introduce students to the art of dance through analysis of history, dance style and socio-political underpinnings. This course includes participation in both lecture and movement sessions.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: minimum 12 cr.

3 hrs 3 cr.

**DAN 14500 - Fundamentals of Ballet**

Introduction to fundamental skills and nomenclature of ballet. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: minimum 12 cr. audition

3 hrs 2 cr.

- Permission of Dance adviser
Minor in Dance

The Hunter College Dance Program Minor in Dance (a minimum of 16 required credits) is designed to allow students to pursue a variety of interests in the field, from performance and creative work to analysis, production and pedagogy.

Required courses (a minimum of 16 credits total)

The following 2 courses must be taken prior to declaration of the minor:

DAN 10100 - Fundamentals of Contemporary Dance Technique

Survey of concepts involved in understanding and integrating physicality and creativity through movement. Review of basic skills required for further study. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: minimum 12 cr, audition

3 hrs2 cr.

DAN 10200 - Dance, Dancers and the Audience

GER 2/D

Lecture demonstration course designed to introduce students to the art of dance through analysis of history, dance style and socio-political underpinnings. This course includes participation in both lecture and movement sessions.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: minimum 12 cr.

3 hrs3 cr.

Additional required courses

DAN 21000 - Contemporary Dance Technique I

GER 3/A

Analytical and physical study of basic concepts of dance: space, time, dynamics and design. Intermediate development of movement skills and vocabulary as required by professional demands. May be taken 2 times for credit with permission of the department.

prereq: DAN 10100, perm dept, audition

3 hrs2 cr.

DAN 22100 - Improvisation as a Creative Process I

GER 3/A

Introduction to basic skills of structured improvisation; use of these skills by individual students to explore their creative movement potential.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq or coreq: DAN 21000 or perm dept.

3 hrs2 cr.
1 additional dance technique course, selected from the following

**DAN 14500 - Fundamentals of Ballet**

Introduction to fundamental skills and nomenclature of ballet. May be taken two times for credit with permission of the department.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

**prereq:** minimum 12 cr, audition

3 hrs 2 cr.

**DAN 15100 - Folk Forms of Dance I**

Development of basic dance skills necessary for participation in international folk dances. Students are exposed to dance and music of world cultures.

*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*

3 hrs 1 cr.

**DAN 22000 - Contemporary Dance Technique II**

**GER 3/A**

Development of expanded movement vocabulary and increased facility; understanding dance as means of communication; ordering of movement to produce controlled performance. May be taken two times for credit with permission of the department.

**prereq:** DAN 21000, perm dept, audition

3 hrs 2 cr.

**DAN 24500 - Ballet I**

**GER 3/A**

Intermediate level study of stylistic demands and vocabulary of ballet and introduction to ballet traditions. May be taken two times for credit with permission of the department.

**prereq:** DAN 14500, perm dept, audition

3 hrs 2 cr.

**DAN 25200 - Special Topics: Traditional Dance I**

**GER 3/A PD/A**

Introduction to the cultural background and basic techniques of individual traditions of dance, such as African, Classical Indian, Afro-Brazilian, T'ai Chi, Capoeira, Yoga and advanced post-modern dance. May be taken two times for credit with permission of the department.

**prereq:** audition

3 hrs 2 cr.

**DAN 31000 - Contemporary Dance Technique III**

**GER 3/A**

Advanced movement experience to prepare students to carry out their own creative demands or demands of other choreographers; continued in depth study of all concepts of dance. May be taken two times for credit with permission of the department.
**DAN 32000 - Contemporary Dance Technique IV**

GER 3/A  
Development of pure dance skills to enable student to learn specific styles of dance; emphasis on expanding dynamic range and clarifying performance intention. May be taken two times for credit with permission of the department.  
*prereq: DAN 31000, audition*  
3 hrs 2 cr.

**DAN 34500 - Ballet II**

GER 3/A  
Continuation of traditional exercises to acquaint student with elements of classic ballet; emphasis on development of advanced technical ability. May be taken two times for credit with permission of the department.  
*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*  
*prereq: DAN 24500, audition*  
3 hrs 2 cr.

**DAN 35200 - Special Topics: Traditional Dance II**

GER 3/A PD/A  
Continuation of DAN 25200.  
*All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.*  
*prereq: DAN 25200, audition*  
3 hrs 2 cr.

A minimum of 6 additional credits in dance

A minimum of 6 additional credits in Dance (choices must be approved by Dance Faculty Adviser):  
- Any DAN course at the 200 level or above (At least one of these must be a 3-credit course)

**Participation on one production crew**

Participation on one production crew team for a fully produced dance program concert

**Note:**

Placement in technique courses above the Fundamentals level is by placement audition, recommendation of instructor, or department permission. Repeated courses may not be counted in these requirements.

**Grading**

All dance majors and minors must receive a letter grade for all dance classes. Grades of “NC” or “CR” are not permissible.
Dance: Creative Theory and Performance Courses

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

DAN 22100 - Improvisation as a Creative Process I

GER 3/A
Introduction to basic skills of structured improvisation; use of these skills by individual students to explore their creative movement potential.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq or coreq: DAN 21000 or perm dept.
3 hrs 2 cr.

DAN 32100 - Composition I

GER 3/A
Assignments geared to challenge and develop creative skills; emphasis on understanding form and its relation to content; mastering structural requirements of composition.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 22100
3 hrs, 3 hrs open studio 2 cr.

DAN 32400 - Production I

GER 3/A
Practical experience in all aspects of production that contribute to realization of student's choreographic intentions: costumes, sets, lighting, publicity and business skills.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 32100 or perm dept.
3 hrs, 3 hrs open studio 3 cr.

DAN 42100 - Composition II

GER 3/A
Continued application of basic principles of composition; conception, planning and realization of complete dances; preparation of dances for concert by integrating all aspects of production.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 32100, perm dept.
3 hrs, 3 hrs open studio 2 cr.

DAN 42200 - Choreographic Projects

GER 3/A
Independent student choreographic works in preparation for performance in concert. Registration once per academic year.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

**prereq:** DAN 32100
3 hrs, 3 hrs open studio 3 cr.

**DAN 42400 - Production II**

GER 3/A
Practical application of advanced production skills.

**All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.**

**prereq:** DAN 32400
3 hrs, 3 hrs open studio 3 cr.

**DAN 43200 - Repertory I**

GER 3/A
Open to dance majors and minors only. Performance course for advanced students. A dance is learned from professional choreographer's repertory and performed in concert. The choreographer and choreographic material change every semester. May be taken two times for credit with permission of the department.

**All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.**

**prereq or coreq:** DAN 31000, 32100 or perm instr, audition
4 hrs, 2 hrs open studio 3 cr.

**DAN 43300 - Repertory II**

GER 3/A
Open to dance majors and minors only. Continuation of DAN 43200. A new dance is created by a professional choreographer and performed in concert. The choreographer and choreographic material change every semester. May be taken two times for credit with permission of the department.

**All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.**

**prereq:** DAN 32000, 43200 or perm instr, audition
4 hrs, 2 hrs open studio 3 cr.

**DAN 44000 - Lecture/Demonstration Touring Group**

GER 3/A
Performance of prescribed choreography in lecture/demonstration format to be presented in public schools on a weekly basis during the fall semester. Open to dance majors/minors only. Students must be available to rehearse intensively for 1 week before classes begin.

**All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.**

**prereq:** DAN 22000, 22100, 24500, perm dept.
4 hrs 3 cr.

**Dance: Technique Courses**

A placement audition or departmental permission is required for all students enrolling in dance technique courses. This audition is held the day before the start of each semester (except for summer session courses). Students who are
registered but do not pass the audition will be asked to drop the course. Registered students who miss the placement audition or the first day of class must notify the dance office before the first class session and may be asked to drop the course. Final placements and permission to continue in a given course are determined in the first class meeting for all technique courses.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

**DAN 10100 - Fundamentals of Contemporary Dance Technique**

Survey of concepts involved in understanding and integrating physicality and creativity through movement. Review of basic skills required for further study. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

*prereq: minimum 12 cr, audition*

3 hrs 2 cr.

**DAN 14500 - Fundamentals of Ballet**

Introduction to fundamental skills and nomenclature of ballet. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

*prereq: minimum 12 cr, audition*

3 hrs 2 cr.

**DAN 15100 - Folk Forms of Dance I**

Development of basic dance skills necessary for participation in international folk dances. Students are exposed to dance and music of world cultures.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

3 hrs 1 cr.

**DAN 21000 - Contemporary Dance Technique I**

GER 3/A

Analytical and physical study of basic concepts of dance: space, time, dynamics and design. Intermediate development of movement skills and vocabulary as required by professional demands. May be taken 2 times for credit with permission of the department.

*prereq: DAN 10100, perm dept, audition*

3 hrs 2 cr.

**DAN 22000 - Contemporary Dance Technique II**

GER 3/A

Development of expanded movement vocabulary and increased facility; understanding dance as means of communication; ordering of movement to produce controlled performance. May be taken two times for credit with permission of the department.

*prereq: DAN 21000, perm dept, audition*

3 hrs 2 cr.
DAN 24500 - Ballet I

GER 3/A
Intermediate level study of stylistic demands and vocabulary of ballet and introduction to ballet traditions. May be taken two times for credit with permission of the department.

prereq: DAN 14500, perm dept, audition
3 hrs 2 cr.

DAN 25100 - Folk Forms of Dance II

GER 3/A
Expanded progressions in folk forms of dance. Presentation of materials based on advanced skills.

prereq: DAN 15100
3 hrs 1 cr.

DAN 25200 - Special Topics: Traditional Dance I

GER 3/A PD/A
Introduction to the cultural background and basic techniques of individual traditions of dance, such as African, Classical Indian, Afro-Brazilian, T'ai Chi, Capoeira, Yoga and advanced post-modern dance. May be taken two times for credit with permission of the department.

prereq: audition
3 hrs 2 cr.

DAN 31000 - Contemporary Dance Technique III

GER 3/A
Advanced movement experience to prepare students to carry out their own creative demands or demands of other choreographers; continued in depth study of all concepts of dance. May be taken two times for credit with permission of the department.

prereq: DAN 22000, audition
3 hrs 2 cr.

DAN 32000 - Contemporary Dance Technique IV

GER 3/A
Development of pure dance skills to enable student to learn specific styles of dance; emphasis on expanding dynamic range and clarifying performance intention. May be taken two times for credit with permission of the department.

prereq: DAN 31000, audition
3 hrs 2 cr.

DAN 34500 - Ballet II

GER 3/A
Continuation of traditional exercises to acquaint student with elements of classic ballet; emphasis on development of advanced technical ability. May be taken two times for credit with permission of the department.

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

prereq: DAN 24500, audition
3 hrs 2 cr.
DAN 35200 - Special Topics: Traditional Dance II

GER 3/A PD/A
Continuation of DAN 25200.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 25200, audition
3 hrs 2 cr.

Dance: Theoretical and Scientific Aspects of Dance Courses

All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.

DAN 10200 - Dance, Dancers and the Audience

GER 2/D
Lecture demonstration course designed to introduce students to the art of dance through analysis of history, dance style and socio-political underpinnings. This course includes participation in both lecture and movement sessions.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: minimum 12 cr.
3 hrs 3 cr.

DAN 21300 - Basic Musicianship for Dancers

GER 3/A
Basic music theory in relation to dance. Development of auditory and kinesthetic understanding of melody, rhythm and harmony through movement. Open only to Dance majors and minors.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 21000
3 hrs 2 cr.

DAN 23200 - 20th-Century Dance History

GER 2/D PD/D
Readings, lectures, films, discussions of 20th century ballet, modern, social and popular theatre dance forms; analysis of individual styles and cultural trends.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
3 hrs 3 cr.

DAN 35000 - Anatomy and Kinesiology for Dancers

GER 3/A
Anatomy of skeletal, muscular and neuromuscular systems; anatomical analysis of basic movement; application of anatomical information to proper and successful performance of dance.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
DAN 46100 - Seminar in Dance

GER 3/A
Survey of dance careers, grant writing, arts administration, resume writing and relevant topics related to the socio-political climate of our times in relation to art.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 31000, DAN 32100
3 hrs3 cr.

DAN 48000 - Independent Study in Dance

GER 3/A
In-depth study in area of special interest for qualified students under direction of faculty adviser.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: minimum 15 dance received at Hunter, major GPA 3.0, overall GPA 2.5. Open to dance majors and minors only.
3-9 hrs1-3 cr.

DAN 49000 - Honors in Dance

GER 3/A
Open to Jr/Sr Dance majors only. Individual study leading to completion of honors essay or production book in creative performance.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: minimum 18 dance, major GPA 3.5, overall GPA 2.8
hrs TBA1-3 cr.

DAN 49800 - Internship

GER 3/A
Open to dance majors with 15 credits in dance from Hunter.
All required classes are not offered every semester. Annual meetings with dance advisers are essential for both majors and minors in order to assure that required coursework will be completed in time for graduation.
prereq: DAN 32400
hrs TBA3-6 cr.

Programs and Courses in Economics

Economics

About the Department
One way to define the scope of economics is to say that it is the social science that deals with how best to use scarce resources to satisfy unlimited human needs and wants. While economists do not claim to have the answer to what humans should want, they do have something to say about how to get it. Economics is more about how to think than what to think.

Economics students become problem solvers. They learn to analyze a situation, figure out what is important and determine what can be abstracted away. The economics curriculum stresses the development of general problem-solving skills: finding, gathering and interpreting information; predicting the consequences of decisions; evaluating alternative courses of action; and analyzing the management of resources in both the public and private sectors. At the same time, economics students learn about the institutions and rules that shape daily life — the monetary system, the stock and bond markets and the regulatory system that mandates warning labels on cigarette packs and seat belts in automobiles.

Many professional economists enter government at the federal, state, or local level, either in research or policy-making positions. Some are employed by businesses, financial institutions, labor unions, trade associations and consulting firms. Still others are involved in teaching and research in colleges and universities. While an undergraduate major in economics does not lead directly to professional accreditation, it provides students with a point of view and a set of skills that will be useful in almost any path taken after the completion of the major. A major in economics is especially valuable for those who plan careers in finance, management, law, journalism, or public policy.

Accountants specialize in measuring, reporting and interpreting the financial aspects of business, governments and institutional activities. Accounting provides the information necessary to determine and evaluate both present and projected economic activities of organizations. Professional accountants develop and apply their skills in auditing, taxation, management policy, information systems, computer operations and many other areas.

Nearly half of all accounting graduates are employed by public accounting firms. The remainder join private firms, engage in research and consulting, practice in the government sector, or continue their education on the graduate level.

**Programs and Courses**

**Programs and Courses in Economics**

**Administration and Faculty**

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Faculty

Economics Faculty

HEGIS Codes: 2204 (Economics), 0502 (Accounting)

Undergraduate Major

Accounting - BS

The degree of bachelor of science (accounting) offered at Hunter College fulfills educational requirements for the CPA examination in New York State. Candidates pursuing licensure in New York State will need to complete 150 college credits including ECO 490 (Accounting and Auditing Research). An appropriate masters degree, while not required, is another path to licensure. For information on the MS in Accounting at Hunter College, see the Hunter College Graduate Catalog.

All students contemplating a career in accounting should request an interview with the accounting program adviser during the lower freshman term. To assure completion of the BS (accounting) degree within four years, a full-time student should begin the accounting major sequence in the upper freshman term, if possible, and no later than the lower sophomore term, by registering for ECO 27100.

Majors

The Department of Economics offers two majors: the BA in economics, requiring a minimum of 24 credits and the BS in accounting, requiring a minimum of 30 credits of accounting and an additional 33 credits of professional studies. Details are outlined below.

Grade Options

The department strongly urges economics majors who plan to go on to graduate or professional school to choose letter grades rather than CR/NC. Students enrolled in the BS (accounting) curriculum may not use CR/NC grades for the 30 accounting credits in the accounting major.

Progression in the Major Students who have not completed the prerequisite(s) with a grade of C, CR, or better will not be allowed to register for the course for which the prerequisite(s) are required. The following are required for the major and must be completed with a grade of C, CR or better to be accepted for credit toward fulfillment of the major.

**ECO 22000 - Techniques of Economic Analysis**

GER 3/B
Mathematical techniques applied to economic models.

*prereq: ECO 20000; MATH 12500 or exemption from the course
3 hrs 3 cr.*

**ECO 22100 - Economic Statistics I**
GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.
prereq: MATH 12500 or exemption from the course
3 hrs 3 cr.

Interdepartmental Fields

Students may take courses in economics as part of an interdepartmental program of study in Latin American and Caribbean studies, environmental studies (geography), women’s and gender studies and Jewish social studies. Listings in each area discuss recommended courses.

Internships

Students may receive one credit for internships in government agencies, private firms, and not-for-profit institutions. The position must provide opportunities for learning about some area of economics, accounting, or business. The course may be taken no more than twice. Credits may not be applied towards the economics or accounting major. Internships will be graded on a CR/NC basis. Note that it is the responsibility of the student, not the Department, to identify internship opportunities.

Honors

Students with a 3.5 GPA in a major offered by the department and an overall 2.8 GPA at the beginning of their upper senior semester may apply for departmental honors at that time. Completion of the following and submission of an honors paper are required. Honors papers are written under faculty supervision and must be approved by a second reader as well. GPA levels must be maintained for the award of departmental honors.

For interested students, the department offers concentrations in public policy and in commercial and financial enterprises. The concentration in public policy prepares students for analytical and managerial careers in both the public and private sectors, as well as providing a firm foundation for graduate or professional studies. The concentration in commercial and financial enterprises provides a general background in the skills and knowledge necessary for a successful business career. Information is available in the Economics Department.

General Education Requirement

Students working for a BS (accounting) degree must complete the General Education Requirement (see General Education Requirement section) except that:

A. The Stage 1, Group B Quantitative Reasoning Requirement must be met by MATH 15000. This should be done within the first 75 credits of college work. For students already at or beyond this point when they become majors, the course should be taken within the first 12 credits following declaration of the major.

B. The foreign language requirement is modified, so that:

1. Students who present three or more years of one foreign language are excused from taking additional foreign language courses;

2. Students who present two years of one foreign language must take two additional courses of advanced-level work in the same language or, if they do not want to go on with that language in college, they must take four courses in another foreign language at the college level;
3. Students who present fewer than two years of one foreign language must take four courses in that or any other foreign language at the college level. (Students must file with the Department of Economics a high school transcript or other evidence of completion of the requisite number of years.)

C. In Stage 2, Group B, 3 of the 6 required credits must be in ECO 20100. (ECO 200, which must be taken as part of the professional studies requirement, cannot be used to fulfill the Stage 2, Group B requirement for accounting majors.)

D. Electives. Any remaining credits needed to complete the 120 credits required for the BS (accounting) degree must be in liberal arts electives.

Professional Studies (64 cr)

Accounting (31 cr)

**ECO 27100 - Accounting I**

Basic accounting concepts; preparation of financial statements. Emphasis on income determination and financial position.
*prereq: upper freshman standing*
3 hrs, 3 cr.

**ECO 27200 - Accounting II**

Accounting concepts applied to partnerships and corporations; funds statements; financial statement analysis.
*prereq: ECO 27100*
3 hrs, 3 cr.

**ECO 37100 - Intermediate Accounting I**

In-depth study of current concepts relating to accounting for assets and current liabilities.
*prereq: ECO 27200*
3 hrs, 3 cr.

**ECO 37200 - Intermediate Accounting II**

Revenue recognition; accounting for equities, income taxes, pensions, leases, price level changes.
*prereq: ECO 37100*
3 hrs, 3 cr.

**ECO 37300 - Federal Income Taxation**

Principles of federal income taxation and the impact of taxes on individuals.
*prereq or coreq: ECO 37200 or perm chair*
3 hrs, 3 cr.

**ECO 37400 - Managerial Accounting (Cost Accounting)**
Accumulation, analysis, presentation and use of cost data by management; budgets.  
*prereq: ECO 37200 or perm chair  
3 hrs3 cr.

**ECO 47100 - Advanced Accounting I**

*prereq: ECO 37200  
3 hrs3 cr.

**ECO 47200 - Advanced Accounting II**

Accounting theory and practice focused on partnerships, joint ventures, multinationals, government and public sector entities; not-for-profit accounting; interim and segment reporting; SEC problems, fiduciary accounting, bankruptcy.  
*prereq: ECO 37200  
3 hrs3 cr.

**ECO 47300 - Business Taxes**

Federal income taxation of partnerships and corporations; other special tax issues.  
*prereq: ECO 37300  
3 hrs3 cr.

**ECO 47500 - Auditing**

Auditing theory and practices; ethics of accounting profession; procedures for auditing financial statements.  
*prereq: ECO 47100  
4 hrs4 cr.

**Additional Information**

An overall average of at least “C” must be maintained in these 30 credits.

**Business Law (6 cr)**

**ECO 28000 - Business Law I**

Legal institutions; contract law and commercial paper law with focus on Uniform Commercial Code.  
*prereq: sophomore standing or perm chair  
3 hrs3 cr.

**ECO 38000 - Business Law II**

Legal aspects of business organizations; agency, partnership and corporate relationships.  
*prereq: ECO 28000  
3 hrs3 cr.

**Statistics (3 cr)**
ECO 22100 - Economic Statistics I

GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.
prereq: MATH 12500 or exemption from the course
3 hrs 3 cr.

Additional Information

For students already at or beyond this point when they become majors, the course should be taken within the first 12 credits following declaration of the major.

Finance (6 cr)

Select two of the following courses:

ECO 21000 - Money and Banking

GER 3/B
Monetary and banking principles and practice; current issues; theory and policy.
prereq: ECO 20000, 20100
3 hrs 3 cr.

ECO 36500 - Corporate Finance

GER 3/B
Analysis of corporate investment and financing decisions.
prereq: ECO 20000 and ECO 22100 or STAT 21300
3 hrs 3 cr.

ECO 36600 - Security and Investment Analysis

GER 3/B
Operation of the stock market; security analysis and evaluation; economic variables influencing security values.
prereq: ECO 36500
3 hrs 3 cr.

ECO 36700 - Analysis of Financial Statements

GER 3/B

Business Core-Required (6 cr)

ECO 20000 - Principles of Economics: Microeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.
- One course in computer science

**ECO 47600 - Computer Accounting Systems**


*prereq: ECO 37200 and declaration as an accounting major*

3 hrs 3 cr.

**Business elective (12 cr)**

Choose from the following:

**ECO 26000 - Business Organization and Management**

GER 3/B
The economic theory of the firm, including the formal analysis of incentives and contracts. Particular focus on how the internal organization of the firm can mitigate the negative effects of conflicts of interest between different stakeholders in the firm.

*prereq: ECO 20000*

3 hrs 3 cr.
- Any 300- or 400-level ECO course (480 is strongly recommended)
- One additional computer science course may be used as a business elective

**Minor in Accounting**

An Accounting minor is available to students who are not majoring in Economics. For details and requirements, see the undergraduate adviser.

The minor will consist of 15 credits with the following required courses:

**ECO 27100 - Accounting I**

Basic accounting concepts; preparation of financial statements. Emphasis on income determination and financial position.

*prereq: upper freshman standing*

3 hrs 3 cr.

**ECO 27200 - Accounting II**

Accounting concepts applied to partnerships and corporations; funds statements; financial statement analysis.

*prereq: ECO 27100*

3 hrs 3 cr.

**ECO 37100 - Intermediate Accounting I**
In-depth study of current concepts relating to accounting for assets and current liabilities.

prereq: ECO 27200
3 hrs 3 cr.

**ECO 37200 - Intermediate Accounting II**

Revenue recognition; accounting for equities, income taxes, pensions, leases, price level changes.

prereq: ECO 37100
3 hrs 3 cr.

and one of the following electives:

**ECO 37400 - Managerial Accounting (Cost Accounting)**

Accumulation, analysis, presentation and use of cost data by management; budgets.

prereq: ECO 37200 or perm chair
3 hrs 3 cr.

**ECO 47100 - Advanced Accounting I**


prereq: ECO 37200
3 hrs 3 cr.

**MS in Accounting**

The Department of Economics offers a Masters (MS) program in accounting for students who have earned a BS in accounting (or its equivalent). Students in the MS program must earn 30 credits at the graduate level. For details and admission requirements, see the Hunter College Graduate Catalog.

**Economics - BA**

**Majors**

The Department of Economics offers two majors: the Economics - BA, requiring a minimum of 24 credits and the Accounting - BS, requiring a minimum of 30 credits of accounting and an additional 33 credits of professional studies. In addition, for motivated students, the department offers the opportunity to complete both the BA and MA degrees within 30 credits.

Economics - Accelerated BA/MA

**Grade Options**

The department strongly urges economics majors who plan to go on to graduate or professional school to choose letter grades rather than CR/NC.

**Major**
Students majoring in economics must take:

A. Courses Preliminary to the Economics Major

**ECO 20000 - Principles of Economics: Microeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

*prereq: MATH 10100 or exemption from the course*

3 hrs 3 cr.

**ECO 20100 - Principles of Economics: Macroeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.

*prereq: MATH 10100 or exemption from the course*

3 hrs 3 cr.

These courses must be completed with a grade of C, CR, or better to serve as prerequisites for courses credited to the major.

Additional Information

Although required, neither ECO 20000 nor ECO 20100 are counted as part of the 24 credits in the major. Students may begin the study of economics with either ECO 20000 or ECO 20100. If they wish a one-semester survey before embarking on the principles courses, they may take ECO 10000, but this is not required. If taken, ECO 10000 cannot be substituted for either ECO 20000 or 20100 or credited toward the major.

B. Core of the Economics Major

**ECO 22000 - Techniques of Economic Analysis**

GER 3/B
Mathematical techniques applied to economic models.

*prereq: ECO 20000; MATH 12500 or exemption from the course*

3 hrs 3 cr.

-or-

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.*

4 hrs 4 cr.

**ECO 22100 - Economic Statistics I**
GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.
_prereq: MATH 12500 or exemption from the course
3 hrs 3 cr.

ECO 30000 - Intermediate Microeconomics

GER 3/B
Price determination of goods and factors in markets of varied structures; general equilibrium analysis.
_prereq: ECO 20000, 20100, 22000
3 hrs 3 cr.

ECO 30100 - Intermediate Macroeconomics

GER 3/B
Measurement and dynamics of national income, employment and growth; policy options.
_prereq: ECO 20000, 20100, 22000
3 hrs 3 cr.

ECO 32100 - Economic Statistics II

GER 3/B
Linear and curvilinear correlation and regression; variance; testing; time series.
_prereq: ECO 22000, 22100; CSCI 10000 or equiv.
3 hrs 3 cr.

ECO 22000 (or MATH 15000) and ECO 22100 must be completed with a grade of C, CR or better to be accepted for credit towards the major and to serve as prerequisites for other courses in the major.

Additional Information

These courses, along with ECO 20000 and 20100 (as described above), are the core of the economics major. Majors are advised to complete ECO 22000 (or MATH 15000) and ECO 22000 within their first 75 credits of college work and ECO 30000 or 30100 within their first 90 credits. For students already at or beyond these points when they become majors, such courses should be taken within the first 12 credits following declaration of the major.

The department may waive the requirement of any of the above or other courses upon satisfactory proof of course equivalency. Courses waived through substitution or examination do not provide course credit nor do they count toward the major.

C. Elective courses

The remaining 9 (if ECO 22000 was taken) or 12 (if MATH 15000 is credited to the major) credits needed to complete the 24-credit major shall be satisfied by other economics courses offered by the department. No courses in accounting or business law may be credited toward the economics major.

Minor in Economics

The economics minor consists of a minimum of 12 credits, including
ECO 20000 - Principles of Economics: Microeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

ECO 20100 - Principles of Economics: Macroeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.

prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.
and two other courses in economics. Accounting and business law courses do not count towards the economics minor.

Interdepartmental Fields

Students may take courses in economics as part of an interdepartmental program of study in Latin American and Caribbean studies, environmental studies (geography), women’s and gender studies and Jewish social studies. Listings in each area discuss recommended courses.

Internships

Students may receive one credit for internships in government agencies, private firms, and not-for-profit institutions. The position must provide opportunities for learning about some area of economics, accounting, or business. The course may be taken no more than twice. Credits may not be applied towards the economics or accounting major. Internships will be graded on a CR/NC basis. Note that it is the responsibility of the student, not the Department, to identify internship opportunities.

Honors

Students with a 3.5 GPA in a major offered by the department and an overall 2.8 GPA at the beginning of their upper senior semester may apply for departmental honors at that time. Completion of the following and submission of an honors paper are required. Honors papers are written under faculty supervision and must be approved by a second reader as well. GPA levels must be maintained for the award of departmental honors.

ECO 49900 - Honors Project

Jr/Sr only. Supervised individual research and directed reading. Honors essay.

prereq: For accounting majors: ECO 32100 and 37200; For economics majors: ECO 30000, 30100 and 32100. A 3.5 GPA required in the major offered by the department and permission of the chair
3 hrs 3 cr.

Public Policy
Economics majors may find both the minor and the Certificate Program in Public Policy of particular interest.

Undergraduate Major/Graduate Major

Economics - Accelerated BA/MA

The Department of Economics offers promising students the opportunity to complete both the BA and MA degrees within 120 credits, 30 of which must be at the graduate level.

Students who wish to declare the BA/MA major must have a 3.0 average in Economics and in the cumulative index

A minimum grade of B in the following, or their equivalents

ECO 30000 - Intermediate Microeconomics

GER 3/B
Price determination of goods and factors in markets of varied structures; general equilibrium analysis.
prereq: ECO 20000, 20100, 22000
3 hrs 3 cr.

ECO 32100 - Economic Statistics II

GER 3/B
Linear and curvilinear correlation and regression; variance; testing; time series.
prereq: ECO 22000, 22100; CSCI 10000 or equiv.
3 hrs 3 cr.

A minimum grade of C in the following, or their equivalents

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

Continuing in the program is contingent upon maintaining a 3.0 GPA in economics and the cumulative index and receiving

A minimum grade of B in

ECO 30100 - Intermediate Macroeconomics
GER 3/B
Measurement and dynamics of national income, employment and growth; policy options.
prereq: ECO 20000, 20100, 22000
3 hrs3 cr.

An average grade of B in

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs3 cr.

All students in the BA/MA program must complete the following, or their equivalents, as well as the courses listed above

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.
prereq: MATH 12500 or appropriate score on placement exam
3 hrs3 cr.

Additional Information

An undergraduate major in economics is normally required. Thomas Hunter Honors Program students may be admitted without declaring an undergraduate economics major, provided that the above courses are completed. To apply, see the graduate adviser.

Honors
Students with a 3.5 GPA in a major offered by the department and an overall 2.8 GPA at the beginning of their upper senior semester may apply for departmental honors at that time. Completion of the following and submission of an honors paper are required. Honors papers are written under faculty supervision and must be approved by a second reader as well. GPA levels must be maintained for the award of departmental honors.

Note: Students enrolled in the BA/MA program may substitute enrollment in ECO 798 and an MA thesis for ECO 49900 and the Honors paper.

ECO 49900 - Honors Project

**Economics: Introductory Course**

**ECO 10000 - Introduction to Economics**

GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics.
*Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.*
3 hrs3 cr.

**Economics: 200-Level Core Courses**

**ECO 20000 - Principles of Economics: Microeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
*prereq: MATH 10100 or exemption from the course*
3 hrs3 cr.

**ECO 20100 - Principles of Economics: Macroeconomics**

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.
*prereq: MATH 10100 or exemption from the course*
3 hrs3 cr.

**ECO 22000 - Techniques of Economic Analysis**
GER 3/B
Mathematical techniques applied to economic models.
prereq: ECO 20000; MATH 12500 or exemption from the course
3 hrs3 cr.

ECO 22100 - Economic Statistics I

GER 1/B
Statistical theory applied to business and economic problems; correlation, regression, time series analysis.
prereq: MATH 12500 or exemption from the course
3 hrs3 cr.

Economics: 200-Level Elective Courses

ECO 21000 - Money and Banking

GER 3/B
Monetary and banking principles and practice; current issues; theory and policy.
prereq: ECO 20000, 20100
3 hrs3 cr.

ECO 26000 - Business Organization and Management

GER 3/B
The economic theory of the firm, including the formal analysis of incentives and contracts. Particular focus on how the internal organization of the firm can mitigate the negative effects of conflicts of interest between different stakeholders in the firm.
prereq: ECO 20000
3 hrs3 cr.

ECO 29500 - Selected Topics in Economics

GER 3/B
Special topics and issues of research and policy interest. Topics vary each semester. May be repeated for a total of 6 credits.
prereq: ECO 20000 or 20100
3 hrs3 cr.

Economics: 300 and 400 Level Advanced and Elective Courses

ECO 30000 - Intermediate Microeconomics

GER 3/B
Price determination of goods and factors in markets of varied structures; general equilibrium analysis.
prereq: ECO 20000, 20100, 22000
3 hrs 3 cr.

ECO 30100 - Intermediate Macroeconomics

GER 3/B
Measurement and dynamics of national income, employment and growth; policy options.
prereq: ECO 20000, 20100, 22000
3 hrs 3 cr.

ECO 31000 - Financial Institutions

GER 3/B
Operation, administration and regulation of U.S. banking, investment and credit institutions.
prereq: ECO 21000
3 hrs 3 cr.

ECO 31500 - Public Finance

GER 3/B
Theory and application of fiscal policy; federal budgeting; state and local finance.
prereq: ECO 20000
3 hrs 3 cr.

ECO 32100 - Economic Statistics II

GER 3/B
Linear and curvilinear correlation and regression; variance; testing; time series.
prereq: ECO 22000, 22100; CSCI 10000 or equiv.
3 hrs 3 cr.

ECO 33000 - Economic Development

GER 3/B PD/A
Critical variables explaining the diversity of growth and economic and development outcomes across developing countries. Theories, case studies, measurement and policies.
prereq: ECO 20100
3 hrs 3 cr.

ECO 34000 - International Trade

GER 3/B
Theories of international trade and international trade policies.
prereq: ECO 20000
3 hrs 3 cr.

ECO 34100 - International Finance

GER 3/B
Theories of exchange-rate determination and open-economy macroeconomic theory and policy.
prereq: ECO 20100
3 hrs3 cr.

ECO 34500 - Women and Men in the Labor Market

GER 3/B PD/C
Demand for labor, determination of wages and allocation of time between paid and unpaid activities, “human capital” investments, labor market policy issues.
cross-listed WGS 34500
prereq: ECO 20000
3 hrs3 cr.

ECO 35000 - Comparative Economic Systems

GER 3/B PD/C or D
Comparative analysis of market and planned economies in theory and practice. Process and problems of transitions between planned and market economies.
prereq: ECO 20000, 20100
3 hrs3 cr.

ECO 35500 - Industrial Organization

GER 3/B
Behavior of firms in imperfectly competitive markets. Topics include the acquisition and use of market power, strategic interactions among firms, and the role of government policy.
prereq: ECO 20000
3 hrs3 cr.

ECO 35600 - Business and Public Policy

GER 3/B
Analysis of the intersection between business and government in market economies. Topics may include protection of intellectual property, economic regulation, health and safety regulation, antitrust, and the behavior of private firms in the political and social realms.
prereq: ECO 20000
3 hrs3 cr.

ECO 36000 - Managerial Economics

GER 3/B
Theory of the firm, risk and uncertainty; forecasting, capital allocation, analysis of costs and returns, pricing.
prereq: ECO 20000
3 hrs3 cr.

ECO 36500 - Corporate Finance

GER 3/B
Analysis of corporate investment and financing decisions.
prereq: ECO 20000 and ECO 22100 or STAT 21300
3 hrs3 cr.
ECO 36600 - Security and Investment Analysis

GER 3/B
Operation of the stock market; security analysis and evaluation; economic variables influencing security values.
preq: ECO 36500
3 hrs 3 cr.

ECO 37000 - Law and Economics

GER 3/B
Analytical tools of microeconomics are used to examine various aspects of the law, including property, contracts, torts, liability, and criminal and family law.
preq: ECO 20000
3 hrs 3 cr.

ECO 39000 - Independent Study in Economics

GER 3/B
Open to economics majors and minors. Individual readings, tutorials, research. Written report. May be repeated for total of 6 cr. Not open to accounting majors.
preq: perm chair and faculty sponsor
3 hrs 3 cr.

ECO 39500 - Selected Topics in Economics

GER 3/B
Jr/Sr majors only. Special readings, research and seminar discussions on selected topics announced each semester. May be repeated for a total of 6 cr.
3 hrs 3 cr.

ECO 42600 - Computer Applications in Economics

Acquisition of computer skills and their application to empirical economic analysis.
preq: ECO 22100 and declaration of economics major
3 hrs 3 cr.

ECO 49500 - Selected Topics in Economics

Jr/Sr majors only. Special readings, research papers and seminar discussions on selected advanced topics announced each semester. May be repeated for total of 6 cr.
preq: ECO 30000 or 30100
3 hrs 3 cr.

ECO 49600 - Honors Seminar in Economics

Jr/Sr majors only. Special readings, research and seminar discussions on selected topics announced each semester. May be repeated for total of 6 cr.
preq: 3.5 GPA in economics, perm chair
3 hrs 3 cr.
ECO 49800 - Internship in Economics of Accounting

Opportunities for working in positions of responsibility in professional institutions (including government agencies, private firms and not-for-profit institutions) for academic credit. The position must provide opportunities for learning about some area of economics, accounting, business or related public policy. Credits may not be used towards the requirements for the economics or accounting major. CR/NC grading is mandatory.

prereq: Open only to qualified economics or accounting majors, upper Junior/Senior only. Enrollment is subject to approval of department adviser. Course may be taken no more than twice.
1 hr1 cr.

ECO 49900 - Honors Project

Jr/Sr only. Supervised individual research and directed reading. Honors essay.

prereq: For accounting majors: ECO 32100 and 37200; For economics majors: ECO 30000, 30100 and 32100. A 3.5 GPA required in the major offered by the department and permission of the chair
3 hrs3 cr.

Economics: Accounting and Business Law

ECO 27100 - Accounting I

Basic accounting concepts; preparation of financial statements. Emphasis on income determination and financial position.

prereq: upper freshman standing
3 hrs3 cr.

ECO 27200 - Accounting II

Accounting concepts applied to partnerships and corporations; funds statements; financial statement analysis.

prereq: ECO 27100
3 hrs3 cr.

ECO 28000 - Business Law I

Legal institutions; contract law and commercial paper law with focus on Uniform Commercial Code.

prereq: sophomore standing or perm chair
3 hrs3 cr.

ECO 37100 - Intermediate Accounting I

In-depth study of current concepts relating to accounting for assets and current liabilities.

prereq: ECO 27200
3 hrs3 cr.

ECO 37200 - Intermediate Accounting II
Revenue recognition; accounting for equities, income taxes, pensions, leases, price level changes.

**prereq:** ECO 37100
3 hrs 3 cr.

**ECO 37300 - Federal Income Taxation**
Principles of federal income taxation and the impact of taxes on individuals.

**prereq or coreq:** ECO 37200 or perm chair
3 hrs, 3 cr.

**ECO 37400 - Managerial Accounting (Cost Accounting)**
Accumulation, analysis, presentation and use of cost data by management; budgets.

**prereq:** ECO 37200 or perm chair
3 hrs 3 cr.

**ECO 38000 - Business Law II**
Legal aspects of business organizations; agency, partnership and corporate relationships.

**prereq:** ECO 28000
3 hrs 3 cr.

**ECO 47100 - Advanced Accounting I**

**prereq:** ECO 37200
3 hrs 3 cr.

**ECO 47200 - Advanced Accounting II**
Accounting theory and practice focused on partnerships, joint ventures, multinationals, government and public sector entities; not-for-profit accounting; interim and segment reporting; SEC problems, fiduciary accounting, bankruptcy.

**prereq:** ECO 37200
3 hrs 3 cr.

**ECO 47300 - Business Taxes**
Federal income taxation of partnerships and corporations; other special tax issues.

**prereq:** ECO 37300
3 hrs 3 cr.

**ECO 47500 - Auditing**
Auditing theory and practices; ethics of accounting profession; procedures for auditing financial statements.

**prereq:** ECO 47100
4 hrs 4 cr.

**ECO 47600 - Computer Accounting Systems**
prereq: ECO 37200 and declaration as an accounting major
3 hrs 3 cr.

ECO 48000 - Business Law III

Sales and financing devices under Uniform Commercial Code; property; trusts and estates; bankruptcy; other selected topics. 
prereq: ECO 38000
3 hrs 3 cr.

ECO 49000 - Accounting & Auditing Research

Acquisition of research, analytical and communication skills. Provides coverage of fundamental knowledge and skills to conduct research as well as their application through announced readings, cases and research discussions on selected topics. Requires extensive Internet and library research including the use of FASB codification database.

prereq: ECO 22100
prereq or coreq: ECO 47500
3 hrs 3 cr.

Economics: Courses Less Frequently Offered

ECO 30500 - Development of Economic Thought
GER 3/B

ECO 33100 - Economic History
GER 3/B

ECO 33600 - Regional Economics
GER 3/B

ECO 34600 - The Labor Movement
GER 3/B

ECO 35200 - Economics of the Caribbean
GER 3/B

ECO 36700 - Analysis of Financial Statements
GER 3/B
Programs and Courses in Education

School of Education

About the School of Education

All students who take the education sequence at Hunter must major in a liberal arts or sciences subject. In other words, students who take any program in education do so in addition to fulfilling both the general education requirement and the requirements for a liberal arts or sciences major.

A student who completes an undergraduate childhood education program approved by the New York State Education Department fulfills the academic requirements for New York State Initial Certification. (See section below on New York State certification for more information.)

The Office of Educational Services

This office provides support services to students enrolled in classes offered by the three teacher education departments of the School of Education. The areas of services provided include: coordination of admissions, advisement and registration; teacher certification; and various other student services such as permits, course equivalencies and leaves of absence. The Office of Educational Services maintains regular office hours, staying open until 6 pm Monday through Thursday to provide advisement for working and evening session students. Hours may vary during registration periods, during the summer months and when classes are not in session. Office hours are posted outside Room 1000 Hunter West. Student teaching and field placement applications and information are also available in Room 1000 Hunter West and on the School of Education web site www.hunter.cuny.edu/education.

New York State Certification

The undergraduate sequences in education described below have been approved by the New York State Education Department to lead to initial certification for teaching in New York State. To earn this certificate the student must successfully complete the approved program of study, obtain the BA or BA/MA degree, submit fingerprints for clearance and pass the required New York State Teacher Certification Examinations (NYSTCE) including the LAST, ATS-W and CST. The Office of Educational Services recommends the certification applications of students who complete an approved program for certification. The initial certificate permits the holder to teach for five years. At the end of that time with three years of full-time teaching in the certificate title and a master's degree, the individual will be able to obtain professional certification. New York State certification is reciprocally accepted by many other states upon application. Students with questions about certification should contact the Office of Educational Services. For more information regarding New York State Certification go to http://highered.nysed.gov/tcert.

Admission to Teacher Education Programs

Students must apply for admission to the School of Education. Applicants for adolescent education programs must demonstrate satisfactory performance in courses in the major. Undergraduate teacher education programs require a minimum cumulative GPA of 2.8. Students are advised to submit their completed application for admission in April for the fall semester and November for the spring semester. Applicants must attach a student copy of transcripts of
previous college study to their application. Applicants must demonstrate satisfactory performance in a group interview and an on-site writing sample. No courses with credit/noncredit grades are accepted.

Nondegree and Second-Degree Students

The School of Education does not accept nondegree or second-degree students.

Honors in Education

Students become eligible for honors in education at graduation by successfully completing EDUC 49000 for QUEST and Adolescent Education and DAN 49000 for dance education (Honors in Educational Research). Students must have a GPA of 3.5 in education courses and a cumulative GPA of 2.8. They must be taking a full education sequence including student teaching.

Kappa Delta Pi Students become eligible for membership in the Iota Alpha Chapter of Kappa Delta Pi, the national honor society for education, when they meet the following criteria: 3.2 GPA, with an education index of 3.5 after 12 credits, 3.7 after 11 credits, or 4.0 after 9 credits in education. Applications are available in Room 1000 Hunter West.

Hunter College Campus Schools

The Campus Schools are located at Park Avenue and 94th Street in Manhattan. They serve as a laboratory for observation, demonstration, research, curriculum design and other projects involving their students, all of whom score in the range of the gifted on intelligence and achievement tests. Students are admitted to the publicly supported schools on the basis of competitive testing. Efforts continue to identify gifted children from diverse backgrounds who meet the schools’ rigorous standards for admission to kindergarten and grade 7 (the two levels at which students are admitted).

Hunter College Elementary School

Children must be five years of age to attend the kindergarten. Only Manhattan residents are eligible to apply. The age of an applicant is calculated according to the academic year. While some students continue on to the high school from the elementary school, high-achieving students from the five boroughs are invited to take a competitive examination in order to enter Hunter High School at the 7th grade.

Hunter College High School

The Hunter College High School is a 6-year junior-senior high school. The academic program stresses both acceleration and enrichment and provides students with a rigorous education. Research focuses on the development of curriculum, teaching strategies and other educational practices that maintain and advance a “state of the art” approach to the education of intellectually gifted students.

Manhattan/Hunter College Science High School

The Manhattan/Hunter Science High School, located on Amsterdam Avenue at 66th Street, provides instruction for grades 9 through 12. This science high school is grounded in the belief that individuals are better prepared to face life’s challenges when given the proper tools. Science offers the lens through which we may see, explore and meet the future. The New York City Department of Education and Hunter College have joined to create a school that provides an
enriched, comprehensive college preparatory curriculum with a focus on science and the integration of science and the scientific method into all subject areas.

Programs and Courses in Education

Administration and Faculty

Administration

Office:
1000 Hunter West
(212) 772-4624
Web site: http://www.hunter.cuny.edu/education

Acting Dean:
Sherryl Browne Graves
(212) 772-4622

Associate Dean:
Carla Asher
(212) 772-4622

Office of Educational Services:
1000 Hunter West
(212) 772-4624

Coordinator, Adolescent Education:
Jeanne Weiler
(212) 650-3459

Coordinator Childhood Education:
Jason Riffaterre
(212) 772-4638

Directors of Clinical Experiences:

Adolescent Education and TESOL:
Kenney Robinson
(212) 772-4038

Early Childhood and Childhood Education:
Ileana Infante
(212) 772-4667
Faculty
Faculty of the School of Education

Departments

Curriculum and Teaching

Office:
1023 West
(212) 772-4686

Chair:
Anne Ediger
(212)-772-4665
anne.ediger@hunter.cuny.edu

Educational Foundations and Counseling Programs

Office:
1016 West
(212) 772-4710

Acting Chair:
Gess LeBlanc
(212)-772-4712
gleblanc@hunter.cuny.edu

Special Education

Office:
909 West
(212) 772-4701

Acting Chair:
Timothy Lackeye
(212)-772-4777
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SEEK

Department of SEEK (Search for Education, Elevation and Knowledge)
Adolescent Education All BA (and BA/MA Mathematics) Students

Return to: Adolescent Education, Grades 7-12

Requirements

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

3 hrs3 cr.

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

2 hrs per week plus 36 hrs fieldwork2 cr.

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

prereq: SEDF 20300, 20400

2 hrs per week plus 36 hrs fieldwork2 cr.

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

prereq: SEDF 20500, SEDC 21000

2 per week plus lab2 cr.

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

3 hrs3 cr.
SEDC 22000 - Adolescent Health and Safety

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

prereq: SEDF 20300, 20400
1 hr 1 cr.

Note(s)

* Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.

Adolescent Education, Grades 7-12 and Dance Education, Grades Pre K-12

Program Overview

Students who major in an academic subject may also wish to complete a sequence of courses in education that will enable them to pursue a career teaching students in grades 7-12. The undergraduate programs in adolescent education are designed to prepare prospective teachers to serve as high-quality educators for students in urban secondary schools.

Programs in adolescent education at Hunter College prepare prospective teachers to serve as highly effective educators in urban middle and high schools. Through rigorous course work, fieldwork and student teaching experiences in New York City schools, students learn how to provide an academically rigorous education to students of diverse backgrounds, abilities and interests.

Content Knowledge

Courses in the academic discipline offered by the School of Arts & Sciences will deepen teacher candidates’ subject knowledge. They will learn how to use knowledge of their subject to design and implement classroom instruction that reflects State and professional standards.

Professional Knowledge

Teacher candidates will learn the theory and practice of effective pedagogy in their subject area. They will gain a grounding in the history, philosophy, psychology and sociology of education that will inform their teaching. They will study research-based theories and methods of teaching their subject to students with special needs, including special education students and English language learners.

Skills

Teacher candidates will learn to design lessons and units of work for students and to adapt their instruction to students’ prior knowledge and level of skill. They will gain expertise in analyzing and using assessments of student achievement to guide and inform their instruction. They will master the use of technology as a tool for teaching their subject. They will learn to manage their classrooms to provide effective instruction for all students. They will practice ways to assess and reflect on their teaching practice in order to strengthen their work with students and grow as professionals.
Creating Community

Teacher candidates will learn to create humane and ethical learning communities in their classrooms and schools in which all students receive the support they need to achieve academically. They will learn to communicate effectively with parents, families, community members and other members of the school faculty and staff in order to provide this support.

Programs

The Hunter College School of Education offers the following undergraduate programs leading to initial certification in adolescent education (grades 7-12): biology, chemistry, Chinese, English, French, German, Hebrew, Italian, mathematics, physics, Russian, social studies and Spanish. Hunter also offers an undergraduate program leading to initial certification in dance (pre-K-12). In addition, BA/MA programs in biology, chemistry, earth science, mathematics, music and physics are offered. These programs lead to initial and professional certification.

The program of study for the baccalaureate degree at Hunter College requires a minimum of 120 credits. This is a daytime program that includes fieldwork in New York City public schools designated by the Hunter College School of Education. Students who wish to pursue initial certification in one of the above areas must take a specified sequence of education courses, in addition to fulfilling the college’s General Education Requirement (GER) and the requirements of their liberal arts or sciences major. All relevant departments accept the adolescent education sequence as a minor.

Required Coursework in Liberal Arts and Sciences

In addition to completing a major of at least 30 credits in the area of the teaching certificate to be pursued, applicants must complete a general education core that includes the specific course requirements listed below, which can be fulfilled as part of the college’s core requirement, graduation requirements, and the major:

1. English Composition

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.

2. Literature

ENGL 22000 - Introduction to Literature

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students’ understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.
prereq: ENGL 12000
3 hrs + conf 3 cr.
3. Two courses selected from:

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War. *Courses at the 300-level and above not offered to freshmen.*  
*prereq or coreq: ENGL 12000*  
3 hrs3 cr.

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B  
American political, social and cultural history from the Civil War to the present. *Courses at the 300-level and above not offered to freshmen.*  
*prereq or coreq: ENGL 12000*  
3 hrs3 cr.

**GEOG 10100 - People and Their Environment**

GER 2/B  
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. *offered fall and spring.*

3 hrs3 cr.

4. 12 credits in math, science or technology

- one laboratory science course

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B  
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.  
*prereq: MATH 12500 or appropriate score on placement exam.*  
3 hrs3 cr.

**STAT 11300 - Elementary Probability and Statistics**
GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs3 cr.

5. 12 credits of study in a language other than English (or exemption by the college on the basis of equivalency);

6. 6 credits in the arts (does not include courses in FILMP, MEDP and MEDIA);

7. A course that includes a focus on communication, which may be met through a variety of disciplines.

Generally met with courses in THEA, MEDIA and the linguistics area of anthropology, including but not limited to

**AFPRL 18100 - Language and Ethnic Identity**

**ANTHC 15100 - Introduction to Linguistics**

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.
3 hrs3 cr.

**ANTHC 26000 - North American Indian Languages and Cultures**

GER 3/B
Linguistic analysis and sociocultural background of North American Indian languages.
3 hrs3 cr.

**ANTHC 26300 - Afro-New World Languages and Cultures**

GER 3/B
Linguistic analysis, history, sociocultural background of Caribbean creole languages, other Afro-American speech forms.
3 hrs3 cr.

**ANTHC 35100 - Language in Culture and Society**

GER 3/B
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social
and political life; language, ideology and identity.
3 hrs 3 cr.

**ANTHC 35400 - Grammatical Analysis and Theory**

GER 3/B
Methods of syntax and morphology in work with diverse languages; syntactic theories and their development relative to universals, semantics, pragmatics, discourse.
*prereq:* ANTHC 15100 or equiv.
3 hrs 3 cr.

**MEDP 23900 - Entertainment Journalism (W)**

Development of practical, theoretical, and rhetorical skills for writing reviews and feature stories about entertainment and the arts.
*prereq:* MEDP 29200
3 hrs 3 cr.

**MEDP 24000 - Effective Speechmaking**

Development of skills in speechmaking and media presentation.
*prereq:* MEDIA 18000
3 hrs 3 cr.

**MEDP 29200 - Basic Reporting (W)**

Workshop and discussion to provide basic skills of newspaper writing.
*prereq:* MEDIA 18000
3 hrs 3 cr.

**MEDP 29300 - Advanced Reporting (W)**

Intermediate course to advance skills in writing and reporting.
*prereq:* MEDP 29200
3 hrs 3 cr.

**MEDP 29400 - Magazine Writing (W)**

This course prepares students for publishing articles in magazines, feature sections of newspapers and online Internet publications by developing writing portfolios and studying the workings of the publishing industry.
*prereq:* MEDP 29200
3 hrs 3 cr.

**MEDP 29500 - Online Journalism (W)**

Evaluating and employing the Internet as a source of information for journalists, as a subject of journalistic coverage and as a new form of newspaper publication.
prereq: MEDP 29200
3 hrs3 cr.

Admission Requirements

Students who wish to enter the adolescent education sequence must meet all the criteria given below.

1. Minimum of 65 credits but no more than 90 credits;

2. GPA of at least 2.8. If a student has more than 6 credits of CR/NR grades, the excess of these grades will be calculated as C or F in determining whether the student meets the minimum GPA;

3. A grade of at least B in ENGL 12000 (or a 200- or 300-level writing course such as ENGL 201);

4. Formal declaration of a major in a subject area appropriate for certification: English, Languages Other than English (Chinese, French, German, Hebrew, Italian, Russian, Spanish), Mathematics, Biology, Chemistry, Physics, Social Studies (Geography Option 2), Dance; and

5. Submission of an application for admission to the sequence (the application is available in the Office of Educational Services, Room 1000 Hunter West).

Course of Study

- Adolescent Education All BA (and BA/MA Mathematics) Students
- Mathematics (BA): Additional Required Coursework and Student Teaching
- Biology, Chemistry, and Physics (BA): Additional Required Coursework and Student Teaching
- Languages Other than English: Chinese, French, German, Hebrew, Italian, Russian, Spanish (BA) Additional Coursework and Student Teaching
- English (BA): Additional Required Courses and Student Teaching
- Social Studies (BA): Additional Required Coursework and Student Teaching
- Dance Pre-K - 12
- Mathematics (BA/MA): Additional Required Coursework and Student Teaching
- Chemistry (BA/MA): Additional Required Courses and Student Teaching
- Music (BA/MA): Additional Required Coursework and Student Teaching

Transfer Students

The program will conditionally admit transfer students with 60 or more credits who have a GPA of at least 3.3 without requiring that they complete 12 credits at Hunter College. However, they must establish a minimum GPA of 2.8 at Hunter College to continue in the program after the first semester. Any transfer student who has a GPA of 2.8-3.29 must complete 12 credits at Hunter College with a cumulative GPA of at least 2.8 before being admitted to the program in adolescent education.

Admission Process

1. Students interested in applying to the Adolescent Education program should apply at the beginning of the semester prior to the semester in which they plan to enroll.
2. Students must participate in a group interview with several other students and School of Education faculty members.

3. Students must complete an on-site writing sample that the School of Education faculty will use to assess written English skills.

Progress Standards

1. Students must maintain a minimum overall GPA of 2.8 and an education sequence index of 2.8.

2. Any student who receives a grade of B-, C+, C or D in student teaching must apply to the department chairperson for permission to reregister for that course, which may be repeated only once.

3. Any student who receives a grade of D+ or D in a course in the education sequence will be required to repeat that course. Students are permitted to repeat a course only once.

4. Any student who receives a grade of F in any course in the pedagogical sequence (including student teaching) will not be permitted to continue in the program.

5. Any student who has more than two grades of IN will be permitted to register for only one course the following semester. Students will be permitted to register for the second methods course in their subject area only after having met the following requirements:

1. Completion of 18 credits of study in the major subject area;

2. Approval of the major department adviser; and

3. Maintenance of an overall GPA of 2.8 and an education sequence index of 2.8.

Students should register to take the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examinations during their junior year. Students will not be allowed to enroll in student teaching until their scores on the LAST have been received by the School of Education. Students who do not pass the LAST at least partly because of low scores on subtest 4 and/or 5 must enroll in a college writing course before being allowed to register for any additional courses.

Liberal Arts and Sciences Major Requirements for Adolescent Education (BA and BA/MA) and Dance Education (BA)

Note: See the major department sections of the catalog for specific course requirements in these areas.

**English (7-12)** 30-credit major in English for adolescent education.

**Languages Other than English 7-12** 33-credit major in one of the following languages: Chinese, French, German, Hebrew, Italian, Russian, Spanish.

**Mathematics 7-12** 30-credit major in mathematics + one year of calculus (MATH 15000 and 15500, or the equivalent).

**Biology 7-12** 37-credit major in biology + 33.5 - 36.5 credits in additional science and math courses.

**Chemistry 7-12** 33- or 35-credit major in chemistry.

**Physics 7-12** 30-credit major in physics.
**Social Studies 7-12** 33-credit major in geography plus 9 credits of specified course work in history and geography as prerequisites; or a 33-credit major in history, including a course in geography, plus a course with a focus on political science and a course with a focus on economics

**Dance Pre K-12** 34-credit major in dance

**BA/MA Chemistry 7-12** minimum of 134 credits to include chemistry major (minimum of 24 credits) and associated auxiliary courses (30.5 credits) at the undergraduate level; 14 graduate credits in chemistry.

**BA/MA Mathematics 7-12** minimum of 141 credits to include 46 credits in mathematics including a year of calculus (MATH MATH 15000 and MATH 15500 or equivalent), MATH 25000, MATH 26000, MATH 31100 (or the equivalent), 620, 623 or 634, 630, 661, STAT 21300 and STAT 614 (or the equivalent), plus 9 additional credits, at the 25000 level, selected with the approval of the departmental mathematics education adviser.

**BA/MA Music Pre-K-12** minimum of 140 credits to include 42-credit music major equivalent to the undergraduate music major plus 22 graduate credits for a total of 64 credits in music.

**Fieldwork and Student Teaching**

Field experiences and student teaching will take place in sites approved by the Hunter College School of Education.

1. Any student who receives a grade of B-, C+, C or D in student teaching must officially register for and repeat that experience. Students will be permitted to repeat student teaching only once.

2. Any student who receives a grade of F in student teaching will not be permitted to continue in the program.

3. Students must submit an application during the semester before they plan to student teach.

**Biology, Chemistry, and Physics (BA): Additional Required Coursework and Student Teaching**

Return to: Adolescent Education, Grades 7-12

Return to: Biology, Major I or Chemistry - BA or Physics Option 1

**Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students**

The following courses are required as part of the 23 credit Adolescent Education sequence:

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool- community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

*3 hrs 3 cr.*

**SEDF 20400 - Adolescent Development**
The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

2 hrs per week plus 36 hrs fieldwork2 cr.

SEDF 20500 - Educational Psychology: Applications in Grades 7-12

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

*prereq: SEDF 20300, 20400

2 hrs per week plus 36 hrs fieldwork2 cr.

SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

*prereq: SEDF 20500, SEDC 21000

2 per week plus lab2 cr.

SEDC 21000 - Building the Foundations of Literacy in Grades 7-12

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

3 hrs3 cr.

SEDC 22000 - Adolescent Health and Safety

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

*prereq: SEDF 20300, 20400

1 hr1 cr.

Note

*Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.

Additional Required Coursework and Student Teaching

SEDC 21300 - Methods I: Classroom Organization, Management and Instruction in Mathematics and Science, Grades 7-12

Candidates will identify the impact of various classroom organization patterns, rules and routines. Candidates will be able to design, implement and evaluate lessons in the context of state and city standards for learning in grades 7-12.

*prereq or coreq: SEDF 20300, 20400

3 hrs3 cr.

SEDC 32400 - Methods II: Teaching Diverse Learners Science, Grades 7-12
Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in science. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

**prereq:** SEDC 21300
**coreq:** SEDF 20500, SEDC 21000

2 hrs per week plus 36 hrs fieldwork 2 cr.

And one of the following:

**SEDC 45410 - Student Teaching in Biology, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified biology teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**prereq:** SEDC 32400
**coreq:** SEDF 20600

2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

**SEDC 45420 - Student Teaching in Chemistry, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified chemistry teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**prereq:** SEDC 32400
**coreq:** SEDF 20600

2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

**SEDC 45430 - Student Teaching in Physics, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified physics teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**prereq:** SEDC 32400
**coreq:** SEDF 20600

2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

**Chemistry (BA/MA): Additional Required Courses and Student Teaching**

Return to: Adolescent Education, Grades 7-12

**Additional Required Coursework and Student Teaching**
- SEDF 703 - Social Foundations of Adolescent Education 3 cr
- SEDF 704 - Adolescent Development, Grades 7-12 2 cr
- SEDF 705 - Educational Psychology: Applications to Adolescent Education 2 cr
- SEDF 706 - Assessment of Teaching and Learning in Adolescent Education 2 cr
- SEDC 710 - Building the Foundations of Literacy in Adolescent Education 3 cr
- SEDC 713 - Methods I: Advanced Study of Secondary Learning Environments for Teaching Mathematics and Science 3 cr
- SEDC 720 - Adolescent Health and Safety 1 cr
- SEDC 724 - Methods II: Intensive Study of Teaching Diverse Learners in Science, Grades 7-12 2 cr
- SEDC 754.02 - Student Teaching in Chemistry, Grades 7-12 5 cr

**Note(s)**

**See the Graduate Catalog for these graduate course descriptions**

**Childhood Education (QUEST) Grades 1-6 - BA**

**1000 Hunter West; (212) 772-4624**

- QUEST Six-Semester Sequence for Students Who Enter Hunter College as First-Year Students
- QUEST Four-Semester Sequence for Transfer Students

**QUEST Program Overview**

The Quality Urban Elementary School Teacher (QUEST) program is an undergraduate childhood teacher education program that prepares students to become New York State certified teachers of childhood education grades 1-6. QUEST is a 30-credit program completed over either four or six semesters that includes extensive field experiences attached to courses. The six-semester sequence is designed for students who enter Hunter College as freshmen. The four-semester sequence is designed for transfer students and other students who do not apply to QUEST until they have completed 40 or more credits.

QUEST is committed to the preparation of urban elementary school teachers who can deal effectively with the wide range of diverse learning needs found among the City’s students. QUEST collaborates closely with New York City public schools to provide outstanding field experiences for students.

The program of study for the BA degree at Hunter College consists of a minimum of 120 credits. All students must major in one of the following liberal arts or sciences subjects: English language arts, English, history, geography, social studies (available as a major in the geography department), mathematics, biology or chemistry. QUEST serves as a collateral major in addition to a student's major in Hunter's School of Arts and Sciences. Students must also complete the college General Education Requirement (GER), which consists of a core and graduation requirements in writing, pluralism and diversity and in a foreign language. Because the QUEST program requires MATH 10400, students are exempt from GER/Stage 3, Group B.

**Required Coursework in Liberal Arts and Sciences**

**Teachers in elementary schools**

Teachers in elementary schools are required to teach all subject areas in the curriculum and thus need a broad liberal arts background in addition to specialized knowledge of teaching. Therefore, students will be required to complete the
following liberal arts and sciences courses, or their equivalent (most of these courses can be taken within the college’s General Education Requirement):

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
*prereq: successful completion of developmental courses, if required*
3 hrs + conf 3 cr.

**ENGL 22000 - Introduction to Literature**

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students’ understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.
*prereq: ENGL 12000*
3 hrs + conf 3 cr.

**GEOG 10100 - People and Their Environment**

GER 2/B
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. Contemporary economic, political and social patterns and problems are discussed.

3 hrs3 cr.
offered fall and spring.

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War. Courses at the 300-level and above not offered to freshmen.
*prereq or coreq: ENGL 12000*
3 hrs3 cr.

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present. Courses at the 300-level and above not offered to freshmen.
*prereq or coreq: ENGL 12000*
3 hrs3 cr.
**MATH 10400 - Mathematics for Elementary Education I**

**GER 1/B**
Fundamental and relevant mathematics as recommended by the NCTM for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers and number theory. Required of students planning to teach in elementary schools. Not open to other students.

*prereq: grade of C or better in MATH 10100 or appropriate score on the placement exam*

*3 hrs 3 cr.*

**MATH 10500 - Mathematics for Elementary Education II**

**GER 1/B**
Continuation of MATH 10400. Continuation of the content of the mathematics recommended by the NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence and similarity.

*prereq: grade of C or better in MATH 10400*

*3 hrs 3 cr.*

- Two semesters of science, at least one of which is a laboratory science,*
- 6 credits in the arts (courses in ARTCR, ARTH, FILM, MUSHL, THEA),**
- At least 6 credits in the study of a language other than English (The Hunter College GER/foreign language requirement is 12 credits or the equivalent.)

**Students in the childhood education**

Two additional courses that are required for students in the childhood education program are

**CSCI 11500 - Computer Technology in Childhood Education**

Open only to students in QUEST program. Students learn to use a number of software tools and applications that can be infused into the curriculum of the elementary school. Includes a focus on information retrieval using Internet resources and use of such application packages as Microsoft Excel, Microsoft Power Point, Inspiration and Timeliner.

*prereq or coreq: QSTA 40000*

*3 hrs (1 lec, 2 lab) 2 cr.*

**HED 31400 - Health Education for the Classroom Teacher**

The preparation of the elementary educator to assist children in grades 1-6 in making decisions for optimum health and wellness, including nutrition education and fitness; mental/emotional health and conflict resolution; drug education; stress management; safety education including fire safety; family living/sex education including HIV/AIDS education and orientation issues; personal safety and the role of the classroom teacher as a mandated reporter of child abuse and neglect; environmental health; and violence prevention.

*prereq: QSTB 20200, QSTF 30100*  
*prereq or coreq: QSTF 30200*

*3 hrs 3 cr.*

**Note(s)**

* Computer Science does not count as a science course in meeting this requirement.

** Courses in FLMP, MED, MEDP do not meet the arts requirements.
Admissions Requirements

Six-semester sequence for students entering Hunter College as freshmen

1. 30 credits in liberal arts and sciences***
2. Minimum GPA of 2.8
3. Prerequisite for MATH 10400: either a score high enough on the CUNY COMPASS to be placed in MATH 104 or completion of MATH 10100
4. ENGL 12000 (or a 200- or 300-level writing course), with a grade of B or better
5. Declaration of an appropriate liberal arts and sciences major: biology, chemistry, English, English language arts, geography, history, social studies (an option within the geography major), or mathematics

Four-semester sequence for transfer students and other Hunter College students who apply after completing 40 credits

1. Transfer students may enter the program with 40 to 72 credits. (Students with more than 72 credits should complete their liberal arts and sciences major and apply to the master’s degree program in childhood education.)
2. Transfer students with 60 or more credits, a GPA of 3.3 or better and a grade of B or better in ENGL 12000 do not have to present Hunter College grades. Transfer students with GPAs between 2.75 and 3.29 will have to complete 12 credits of coursework at Hunter College with a GPA of at least 2.8 before a final decision will be made on their application to QUEST.
3. Transfer students must meet all other requirements listed above for admission as well as the progress standards that follow.

Note(s)

*** Students may apply to QUEST if the total of their completed credits plus credits in which they are currently enrolled is at least 30 credits.

Progress Standards

Students must receive grades of C or better in required coursework in liberal arts and sciences and in QUEST courses that do not include fieldwork. QUEST fieldwork courses require a grade of B or better. All QUEST courses are repeatable once by students who have received a grade of C-, D+ or D in a non-fieldwork course or a grade below B in a fieldwork course. Students must officially reregister for these courses. Students who receive an F in any course or a D+ or D in fieldwork may not continue in the program. Students must also maintain a GPA of at least 2.8 throughout the QUEST program.

In order to register for QSTA 40600 Teaching and Learning Mathematics in the Elementary School, students must have completed MATH 10400 and MATH 10500. Transfer students may be allowed to enroll in QSTA 40600 after completing MATH 10400 and registering for MATH 10500 if their progress through the QUEST program would be delayed by the requirement for MATH 105 as a prerequisite with the approval of the program coordinator.
In order to register for QSTA 41400 Teaching Science in Elementary Schools, students must have completed two courses in science, at least one of which must be a laboratory science.

In order to register for QSTA 41200 Teaching Social Studies through Literature, the Arts and Technology in Elementary Schools, students must have completed HIST 15100 and HIST 15200, or one of these courses plus GEOG 10100.

Students should register to take the Liberal Arts and Sciences Test (LAST) and the Assessment of Teaching Skills – Written (ATS-W) of the New York State Teacher Certification Examinations during their junior year. Students will not be allowed to enroll in Student Teaching (QSTA 41500) until their scores on the LAST and ATS-W have been received by the QUEST field placement coordinator. Students who do not pass the LAST must enroll in the School’s Reading and Writing Workshop for Teachers before being allowed to register for any additional courses.

Dance Pre-K - 12

Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool- community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

3 hrs 3 cr.

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

prereq: SEDF 20300, 20400

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

prereq: SEDF 20500, SEDC 21000

2 per week plus lab 2 cr.
SEDC 21000 - Building the Foundations of Literacy in Grades 7-12

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.
3 hrs 3 cr.

SEDC 22000 - Adolescent Health and Safety

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.
prereq: SEDF 20300, 20400
1 hr 1 cr.

Note

Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.

Certification for teaching Dance

New York State certification for teaching dance requires the 34-credit dance major plus the 22 credit education sequence, which is considered a collateral major and includes

DANED 30200 - Theory and Practice of Teaching Dance (pre-K-12)

Methods of teaching dance in grades pre-K-12 to students with diverse backgrounds and abilities in diverse learning environments; the organization of instruction and classroom management strategies; technological resources; community and family resources.

Field work required.
prereq: completed 12 cr in dance or perm dance adviser
prereq or coreq: SEDF 20400
3 hrs plus 36 hours fieldwork 4 cr.

SEDC 45600 - Student Teaching in Dance, Grades Pre-K-12

Two 30-day supervised placements (one in grades pre-K-6 and one in grades 7-12) in New York City public schools selected by Hunter College. Special Conditions: Students must apply for student teaching the fall semester before enrolling in this course. Scores on the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examination must have been received by the coordinator of adolescent education prior to enrollment in student teaching.

prereq or coreq: SEDF 20600, SEDC 22000
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

Additional Information
See the School of Education for more information. Note: students must be accepted by the School of Education before they may register for education courses.

Earth Sciences (BA/MA): Additional Required Coursework and Student Teaching

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**See the Graduate Catalog for these graduate course descriptions

English (BA) : Additional Required Courses and Student Teaching

English Department Requirements for Teaching English in Grades 7–12

Concentration in English: Preparation for Secondary School Teaching (30 cr)

Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:
**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

3 hrs 3 cr.

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

*prereq: SEDF 20300, 20400*

2 hrs per week plus 36 hrs fieldwork 2 cr.

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

*prereq: SEDF 20500, SEDC 21000*

2 per week plus lab 2 cr.

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

3 hrs 3 cr.

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

*prereq: SEDF 20300, 20400*

1 hr 1 cr.

**Note**

*Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.*

**Additional Required Coursework and Student Teaching**
SEDC 21100 - Young Adult Literature in Our Diverse Society

Familiarizes prospective teachers with a wide variety of literature for or about young adults. Books discussed and dramatized during each session reflect diverse cultures, varying learning styles, and special needs of young adults. The English language arts standards are addressed as delineated in city and state regulations. Literacy and comprehension skills are explored as well.

prereq or coreq: SEDF 20300, 20400
3 hrs 3 cr.

SEDC 32100 - Teaching English Methods to a Diverse Population in Grades 7-12

Methodology that facilitates the learning of English language arts for a diverse population in secondary schools. Teacher candidates will engage in ways of teaching adolescents the skills of reading, responding to literature, writing (creative and expository), listening, speaking, and applying grammar conventions. They will write lesson and unit plans and experiment with classroom management and assessment techniques as they present lessons to the class for peer and instructor criticisms. State and city teaching standards will be applied throughout the course.

prereq: SEDC 21100
prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork 2 cr.

SEDC 45100 - Student Teaching in English, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified English teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32100prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

Languages Other than English: Chinese, French, German, Hebrew, Italian, Russian, Spanish (BA) Additional Coursework and Student Teaching

Return to: Adolescent Education, Grades 7-12

Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn
to analyze these concepts and theories and apply them to current classroom practices.
3 hrs3 cr.

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.
2 hrs per week plus 36 hrs fieldwork2 cr.

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

*prereq: SEDF 20300, 20400*  
2 hrs per week plus 36 hrs fieldwork2 cr.

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

*prereq: SEDF 20500, SEDC 21000*  
2 per week plus lab2 cr.

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.
3 hrs3 cr.

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

*prereq: SEDF 20300, 20400*  
1 hr1 cr.

**Note**

*Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.*

**Additional Required Coursework and Student Teaching**

**SEDC 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12**
The nature of language, and language acquisition/learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.

**prereq or coreq:** SEDF 20300, 20400

3 hrs 3 cr.

**SEDC 32200 - Methods II: Instructional Planning for Literacy, Language, and Learning in the Foreign/Heritage Language Classroom, Grades 7-12**

Standards that impact on the teaching of foreign/heritage languages at the secondary level. Emphasis is placed on the strategies, methods and materials used in planning instruction around the standards. Classroom observations will serve as a catalyst for discussion.

**prereq:** SEDC 21200
**prereq or coreq:** SEDF 20500, SEDC 21000

2 hrs per week plus 36 hrs fieldwork 2 cr.

And one of the following:

**SEDC 45210 - Student Teaching in Chinese, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Chinese teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**prereq:** SEDC 32200
**prereq or coreq:** SEDF 20600

2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

**SEDC 45220 - Student Teaching in French, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified French teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**prereq:** SEDC 32200
**prereq or coreq:** SEDF 20600

2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

**SEDC 45230 - Student Teaching in German, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified German teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**prereq:** SEDC 32200
**prereq or coreq:** SEDF 20600

2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.
**SEDC 45250 - Student Teaching in Hebrew, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Hebrew teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

*prereq: SEDC 32200*
*prereq or coreq: SEDF 20600*
*2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.*

**SEDC 45260 - Student Teaching in Italian, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Italian teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

*prereq: SEDC 32200*
*prereq or coreq: SEDF 20600*
*2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.*

**SEDC 45270 - Student Teaching in Russian, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Russian teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

*prereq: SEDC 32200*
*prereq or coreq: SEDF 20600*
*2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.*

**SEDC 45280 - Student Teaching in Spanish, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Spanish teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

*prereq: SEDC 32200*
*prereq or coreq: SEDF 20600*
*2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.*

**Note**

For the departmental requirements for teaching foreign languages consult: Classical and Oriental Studies (Chinese, Hebrew, Russian), German, and Romance Languages (French, Italian, Spanish).
Mathematics (BA): Additional Required Coursework and Student Teaching

Return to: Adolescent Education, Grades 7-12
Return to: Mathematics for Adolescent Education

Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

3 hrs3 cr.

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

2 hrs per week plus 36 hrs fieldwork2 cr.

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

*prereq: SEDF 20300, 20400*

2 hrs per week plus 36 hrs fieldwork2 cr.

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

*prereq: SEDF 20500, SEDC 21000*

2 per week plus lab2 cr.

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

3 hrs3 cr.

**SEDC 22000 - Adolescent Health and Safety**
Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

*prereq: SEDF 20300, 20400
1 hr 1 cr.*

**Note**

*Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.*

### Additional Required Coursework and Student Teaching

#### Parallel graduate courses in the BA/MA Mathematics program

**SEDC 21300 - Methods I: Classroom Organization, Management and Instruction in Mathematics and Science, Grades 7-12**

Candidates will identify the impact of various classroom organization patterns, rules and routines. Candidates will be able to design, implement and evaluate lessons in the context of state and city standards for learning in grades 7-12.

*prereq or coreq: SEDF 20300, 20400
3 hrs 3 cr.*

**SEDC 32300 - Methods II: Teaching Diverse Learners in Mathematics, Grades 7-12**

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in mathematics. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

*prereq: SEDC 21300 or SEDC 21000
2 hrs per week plus 36 hrs fieldwork 2 cr.*

**SEDC 45300 - Student Teaching in Mathematics, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified math teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

*prereq: SEDC 32300
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.*

### Mathematics (BA/MA): Additional Required Coursework and Student Teaching
Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

*3 hrs 3 cr.*

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

*2 hrs per week plus 36 hrs fieldwork 2 cr.*

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

*prereq: SEDF 20300, 20400*

*2 hrs per week plus 36 hrs fieldwork 2 cr.*

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

*prereq: SEDF 20500, SEDC 21000*

*2 per week plus lab 2 cr.*

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

*3 hrs 3 cr.*

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

*prereq: SEDF 20300, 20400*

*1 hrl cr.*
Note

Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.

Additional Required Coursework and Student Teaching**

- SEDC 713 - Methods I: Advanced Study of Secondary Learning Environments for Teaching Mathematics and Science 3 cr
- SEDC 723 - Methods II: Intensive Study of Teaching Diverse Learners in Mathematics, Grades 7-12 2 cr
- SEDC 753 - Student Teaching in Mathematics, Grades 7-12 (60 days, 30 hrs seminar, plus workshops and conferences) 5 cr

Note(s)

** See the Graduate Catalog for these graduate course descriptions

Music (BA/MA): Additional Required Coursework and Student Teaching

Return to: Adolescent Education, Grades 7-12

Additional Required Coursework and Student Teaching**

- SEDF 703 - Social Foundations of Adolescent Education 3 cr
- SEDF 704 - Adolescent Development, Grades 7-12 2 cr
- SEDF 705 - Educational Psychology: Applications to Adolescent Education 2 cr
- SEDF 706 - Assessment of Teaching and Learning in Adolescent Education 2 cr
- SEDC 710 - Building the Foundations of Literacy in Adolescent Education 3 cr
- SEDC 720 - Adolescent Health and Safety 1 cr
- MUSED 677 - Methods of Teaching Instrumental Music in Grades Pre-K-12 2 cr
- MUSED 678 - Methods of Teaching Vocal and General Music in Grades Pre-K-12 2 cr
- SEDC 756 - Student Teaching in Music, Pre-K-12 5 cr

Note(s)

** See the Graduate Catalog for these graduate course descriptions

Physics (BA/MA): Additional Required Coursework and Student Teaching***
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<td>SEDC 754.03</td>
<td>Student Teaching in Physics, Grades 7-12</td>
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***See the Graduate Catalog for these graduate course descriptions

**QUEST Four-Semester Sequence for Transfer Students**

**Semester I**

**QSTA 40000 - The Art of Effective Teaching**

This course is designed to orient elementary school teacher candidates to the world of urban education and their roles as quality educators. An introduction to the basic pedagogical practices of teaching, the connection between theory and practice as it relates to the role of teachers, instructional methods for teaching diverse student populations, effective classroom management practices, organizational strategies, motivation techniques and methods of assessment.

3 hrs3 cr.

**QSTB 20200 - Child Growth and Development**

The biological, cognitive, emotional, linguistic, moral, physical and social aspects of development will be addressed with respect to their role in children's experiences in school. The critical application of developmental theories and research to diverse populations will be emphasized. Contextual influences on children's development, including family, peers and the media will be included.

coreq: QSTA 40100, QSTAB 30000
prereq or coreq: CSCI 11500, QSTA 40000
2 hrs2 cr.

**QSTA 40100 - Developmental Reading**
Theoretical and practical aspects of literacy with particular emphasis on teaching literacy to diverse populations. In addition, the role of family and community involvement and the use of technology for literacy development will be stressed.

coreq: QSTB 20200, QSTAB 30000  
prereq or coreq: QSTA 40000, CSCI 11500  
2 hrs2 cr.

QSTAB 30000 - Fieldwork I: Fieldwork for Child Development and Developmental Reading

Supervised experiences in classroom applications of QSTA 40100: Developmental Reading and QSTB 20200: Child Growth and Development. Students will complete 6 per week of fieldwork for a minimum of 75 contact per semester. Students will develop guided observation skills, acquire practical knowledge of the design and management of instruction and the classroom environment, and work effectively with individual students and small work groups. Students receiving a grade of C in fieldwork must apply to the chairperson for permission to re register for the course. Fieldwork may be repeated only once. Students who receive a grade lower than C may not repeat the course and may not continue in the program.

coreq: QSTA 40100, QSTB 20200prereq or coreq: QSTA 40000, CSCI 11500  
75 hrs1 cr.

CSCI 11500 - Computer Technology in Childhood Education

Open only to students in QUEST program. Students learn to use a number of software tools and applications that can be infused into the curriculum of the elementary school. Includes a focus on information retrieval using Internet resources and use of such application packages as Miosoft Excel, Miosoft Power Point, Inspiration and Timeliner.

prereq or coreq: QSTA 40000  
3 hrs (1 lec, 2 lab)2 cr.

Total ED Credits 8

Fieldwork 75 hours

Semester II

QSTA 41000 - Literacy Across the Content Areas

Theoretical, methodological, practical, and technological aspects of teaching literacy to elementary school students with an emphasis on meeting the literacy needs of diverse student populations.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000, CSCI 11500coreq: QSTA 41200, QSTAB 30100  
2 hrs2 cr.

QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools

Teaching social studies through literature, the arts, and technology in grades 1-6. Literature selections will include original documents, essays, historical fiction, novels, diaries, journals, poetry, drama and folktales. Instructional
strategies will include interdisciplinary curriculum and differentiated learning, teaching, and assessment strategies for English language learners and students with disabilities. Diverse activities will include utilizing the community, particularly museums, as a laboratory for student learning.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000
coreq: QSTA 41000, QSTAB 30100
2 hrs2 cr.

QSTAB 30100 - Fieldwork II: Fieldwork for Literacy Across the Content Areas and Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools

Supervised experiences in classroom applications of QSTA 41000 - Literacy Across the Content Areas and QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools. Students will complete 6 of fieldwork per week for a minimum of 75 contact per semester. Students will develop the ability to apply theoretical concepts and deliver instruction to individuals and small groups of children. Students will design or adapt curriculum that meet the needs of diverse learners, including children with special needs and English language learners.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000
coreq: QSTA 41000, 41200
75 hrs1 cr.

QSTB 40300 - Social Foundations of Urban Education

Contemporary issues and themes in the social foundations of childhood education viewed from an interdisciplinary perspective. Special emphasis on the role of family and community in the educational process.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000
3 hrs3 cr.

Total ED Credits 8

Fieldwork 75 hours

Semester III

QSTB 41300 - Psychology of Teaching and Learning

The critical application of psychological theories and principles to classroom instruction, including: learning styles; instructional models; effective teaching; motivation; student diversity; students with special needs; classroom management; and formal and informal assessment.

prereq: QSTA 41000, 41200, QSTAB 30100
coreq: QSTA 40600, QSTF 30200
2 hrs2 cr.

QSTA 40600 - Mathematics Teaching and Learning in Elementary School

Modern methods for teaching mathematics through understanding in the elementary grades.

Transfer students may be allowed to enroll in QSTA 40600 after completing MATH 10400 and registering for MATH
10500 if their progress through the QUEST program would be delayed by the MATH 10500 prerequisite requirement.

prereq: MATH 10400, 10500, QSTA 41000, 41200, QSTAB 30000
coreq: QSTB 41300, QSTAB 30200
2 hrs 2 cr.

QSTAB 30200 - Fieldwork III: Fieldwork for Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning

Supervised experiences in classroom applications of QSTA 40600: Mathematics Teaching and Learning in Elementary School and QSTB 41300: Psychology of Teaching and Learning. Students will complete 6 of fieldwork per week for a semester minimum of 75 contact to demonstrate the ability to apply knowledge acquired in the Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning courses to effectively deliver instruction in the content areas to individual children, small work groups, and large groups of children.

prereq: QSTA 41000, 41200, QSTAB 30100
coreq: QSTA 40600, QSTB 41300
75 hrs 1 cr.

QSTA 40700 - The Arts: An Interdisciplinary Learning Experience

Offered in collaboration with Lincoln Center Institute, this course is designed to introduce teacher candidates to the role of arts in learning across the curriculum. Teacher candidates will experience the creative process through hands-on study of works of art (visual arts, music, theatre, and dance) to enhance the aesthetic sensibilities of students in grades 1-6.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000
3 hrs 3 cr.

HED 31400 - Health Education for the Classroom Teacher

The preparation of the elementary educator to assist children in grades 1-6 in making decisions for optimum health and wellness, including nutrition education and fitness; mental/emotional health and conflict resolution; drug education; stress management; safety education including fire safety; family living/sex education including HIV/AIDS education and orientation issues; personal safety and the role of the classroom teacher as a mandated reporter of child abuse and neglect; environmental health; and violence prevention.

prereq: QSTB 20200, QSTF 30100
prereq or coreq: QSTF 30200
3 hrs 3 cr.

Total ED Credits 8

Fieldwork 75 hours

Semester IV

QSTA 41400 - Teaching Science in Elementary Schools

This course is inquiry-based or process-oriented. Focuses on the doing part of science more than the facts part of science. Includes analysis of local, state and national science standards, working with students from culturally diverse backgrounds, using multimedia technology effectively, and working with parents and the community. Students will be observed in science teaching activities during their co requisite student teaching in science.
prereq: QSTA 40600, 41000, 41200, QSTAB 3010
coreq: QSTA 41500
2 hrs2 cr.

QSTA 41500 - Student Teaching

Supervised student teaching experience in an elementary school setting at one grade level from grades 1-6. Requirements include four full days per week of student teaching for a minimum of 50 days, 30 hours of seminars + conferences, and attendance at professional development workshops.

prereq: QSTA 40600, 40700, QSTB 41300, QSTAB 30200, HED 31400
coreq: QSTA 41400
2 per week of seminar plus student teaching4 cr.

Total ED Credits 6
Fieldwork 60 days
Total Credits 30

Note(s)

QSTA is a designation for courses offered by the Department of Curriculum and Teaching; QSTB is a designation for courses offered by the Department of Educational Foundations; QSTF is a designation for fieldwork attached to two courses.

QUEST Six-Semester Sequence for Students Who Enter Hunter College as First-Year Students

Semester I

QSTA 40000 - The Art of Effective Teaching

This course is designed to orient elementary school teacher candidates to the world of urban education and their roles as quality educators. An introduction to the basic pedagogical practices of teaching, the connection between theory and practice as it relates to the role of teachers, instructional methods for teaching diverse student populations, effective classroom management practices, organizational strategies, motivation techniques and methods of assessment.

3 hrs3 cr.

CSCI 11500 - Computer Technology in Childhood Education

Open only to students in QUEST program. Students learn to use a number of software tools and applications that can be infused into the curriculum of the elementary school. Includes a focus on information retrieval using Internet resources and use of such application packages as Microsoft Excel, Microsoft Power Point, Inspiration and Timeliner.

prereq or coreq: QSTA 40000
3 hrs (1 lec, 2 lab)2 cr.
Total ED Credits 3

Semester II

**QSTB 20200 - Child Growth and Development**

The biological, cognitive, emotional, linguistic, moral, physical and social aspects of development will be addressed with respect to their role in children's experiences in school. The critical application of developmental theories and research to diverse populations will be emphasized. Contextual influences on children's development, including family, peers and the media will be included.

*coreq: QSTA 40100, QSTAB 30000
prereq or coreq: CSCI 11500, QSTA 40000
2 hrs 2 cr.*

**QSTA 40100 - Developmental Reading**

Theoretical and practical aspects of literacy with particular emphasis on teaching literacy to diverse populations. In addition, the role of family and community involvement and the use of technology for literacy development will be stressed.

*coreq: QSTB 20200, QSTAB 30000
prereq or coreq: QSTA 40000, CSCI 11500
2 hrs 2 cr.*

**QSTAB 30000 - Fieldwork I: Fieldwork for Child Development and Developmental Reading**

Supervised experiences in classroom applications of QSTA 40100: Developmental Reading and QSTB 20200: Child Growth and Development. Students will complete 6 per week of fieldwork for a minimum of 75 contact per semester. Students will develop guided observation skills, acquire practical knowledge of the design and management of instruction and the classroom environment, and work effectively with individual students and small work groups. Students receiving a grade of C in fieldwork must apply to the chairperson for permission to re register for the course. Fieldwork may be repeated only once. Students who receive a grade lower than C may not repeat the course and may not continue in the program.

*coreq: QSTA 40100, QSTB 20200
prereq or coreq: QSTA 40000, CSCI 11500
75 hrs 1 cr.*

Total ED Credits 5

Fieldwork 75 hours

Semester III

**QSTA 41000 - Literacy Across the Content Areas**
The theoretical, methodological, practical, and technological aspects of teaching literacy to elementary school students with an emphasis on meeting the literacy needs of diverse student populations.

**QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools**

Teaching social studies through literature, the arts, and technology in grades 1-6. Literature selections will include original documents, essays, historical fiction, novels, diaries, journals, poetry, drama and folktales. Instructional strategies will include interdisciplinary curriculum and differentiated learning, teaching, and assessment strategies for English language learners and students with disabilities. Diverse activities will include utilizing the community, particularly museums, as a laboratory for student learning.

**QSTAB 30100 - Fieldwork II: Fieldwork for Literacy Across the Content Areas and Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools**

Supervised experiences in classroom applications of QSTA 41000 - Literacy Across the Content Areas and QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools. Students will complete 6 of fieldwork per week for a minimum of 75 contact per semester. Students will develop the ability to apply theoretical concepts and deliver instruction to individuals and small groups of children. Students will design or adapt curriculum that meet the needs of diverse learners, including children with special needs and English language learners.

**Total ED Credits 5**

**Fieldwork 75 hours**

**Semester IV**

**QSTB 41300 - Psychology of Teaching and Learning**

The critical application of psychological theories and principles to classroom instruction, including: learning styles; instructional models; effective teaching; motivation; student diversity; students with special needs; classroom management; and formal and informal assessment.

**QSTA 40600 - Mathematics Teaching and Learning in Elementary School**
Modern methods for teaching mathematics through understanding in the elementary grades.

Transfer students may be allowed to enroll in QSTA 40600 after completing MATH 10400 and registering for MATH 10500 if their progress through the QUEST program would be delayed by the MATH 10500 prerequisite requirement.

prereq: MATH 10400, 10500, QSTA 41000, 41200, QSTAB 30000
coreq: QSTB 41300, QSTAB 30200
2 hrs2 cr.

QSTAB 30200 - Fieldwork III: Fieldwork for Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning

Supervised experiences in classroom applications of QSTA 40600: Mathematics Teaching and Learning in Elementary School and QSTB 41300: Psychology of Teaching and Learning. Students will complete 6 of fieldwork per week for a semester minimum of 75 contact to demonstrate the ability to apply knowledge acquired in the Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning courses to effectively deliver instruction in the content areas to individual children, small work groups, and large groups of children.

prereq: QSTA 41000, 41200, QSTAB 30100
coreq: QSTA 40600, QSTB 41300
75 hrs1 cr.

Total ED Credits 5

Fieldwork 75 hours

Semester V

QSTB 40300 - Social Foundations of Urban Education

Contemporary issues and themes in the social foundations of childhood education viewed from an interdisciplinary perspective. Special emphasis on the role of family and community in the educational process.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000
3 hrs3 cr.

QSTA 40700 - The Arts: An Interdisciplinary Learning Experience

Offered in collaboration with Lincoln Center Institute, this course is designed to introduce teacher candidates to the role of arts in learning across the curriculum. Teacher candidates will experience the creative process through hands-on study of works of art (visual arts, music, theatre, and dance) to enhance the aesthetic sensibilities of students in grades 1-6.

prereq: QSTA 40100, QSTB 20200, QSTAB 30000
3 hrs3 cr.

HED 31400 - Health Education for the Classroom Teacher

The preparation of the elementary educator to assist children in grades 1-6 in making decisions for optimum health and wellness, including nutrition education and fitness; mental/emotional health and conflict resolution; drug education; stress management; safety education including fire safety; family living/sex education including HIV/AIDS education and orientation issues; personal safety and the role of the classroom teacher as a mandated reporter of child abuse and
neglect; environmental health; and violence prevention.

prereq: QSTB 20200, QSTF 30100
prereq or coreq: QSTF 30200
3 hrs 3 cr.

Total ED Credits 6

Semester VI

**QSTA 41400 - Teaching Science in Elementary Schools**

This course is inquiry-based or process-oriented. Focuses on the doing part of science more than the facts part of science. Includes analysis of local, state and national science standards, working with students from culturally diverse backgrounds, using multimedia technology effectively, and working with parents and the community. Students will be observed in science teaching activities during their corequisite student teaching in science.

**QSTA 41500 - Student Teaching**

Supervised student teaching experience in an elementary school setting at one grade level from grades 1-6. Requirements include four full days per week of student teaching for a minimum of 50 days, 30 hours of seminars + conferences, and attendance at professional development workshops.

**Total ED Credits 6**

Fieldwork minimum of 60 days

**Total Credits 30**

**Note(s)**

*QSTA is a designation for courses offered by the Department of Curriculum and Teaching; QSTB is a designation for courses offered by the Department of Educational Foundations; QSTF is a designation for fieldwork attached to two courses.*

**Social Studies (BA): Additional Required Coursework and Student Teaching**

Return to: Adolescent Education, Grades 7-12

Return to: Geography Major, Social Studies Option
Adolescent Education Requirements: All BA (and BA/MA Mathematics) Students

The following courses are required as part of the 23 credit Adolescent Education sequence:

**SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)**

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool- community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

*3 hrs 3 cr.*

**SEDF 20400 - Adolescent Development**

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

*2 hrs per week plus 36 hrs fieldwork 2 cr.*

**SEDF 20500 - Educational Psychology: Applications in Grades 7-12**

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.

*prereq: SEDF 20300, 20400
2 hrs per week plus 36 hrs fieldwork 2 cr.*

**SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12**

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.

*prereq: SEDF 20500, SEDC 21000
2 per week plus lab 2 cr.*

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

*3 hrs 3 cr.*

**SEDC 22000 - Adolescent Health and Safety**

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

*prereq: SEDF 20300, 20400
1 hr 1 cr.*

**Note**
Please note that the parallel courses at the graduate level may be substituted for these undergraduate courses in the BA/MA Mathematics Program.

Additional Required Coursework and Student Teaching

SED C 21500 - Methods I: Classroom Organization, Management, and Instruction in Social Studies, Grades 7-12

Rationales and methodologies for teaching social studies based on current theories of the nature of students, the social sciences and secondary schooling.

*prereq or coreq: SEDF 20300, 20400*

3 hrs 3 cr.

SED C 32500 - Methods II: Teaching Diverse Learners in Social Studies, Grades 7-12

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in the social studies. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

*prereq: SEDC 21500*  
*prereq or coreq: SEDF 20500, SEDC 21000*

2 hrs per week plus 36 hrs fieldwork 2 cr.

SED C 45500 - Student Teaching in Social Studies, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified social studies teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

*prereq: SEDC 32500*  
*prereq or coreq: SEDF 20600*

2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

DANED 30200 - Theory and Practice of Teaching Dance (pre-K-12)

Methods of teaching dance in grades pre-K-12 to students with diverse backgrounds and abilities in diverse learning environments; the organization of instruction and classroom management strategies; technological resources; community and family resources.

*Field work required.*

*prereq: completed 12 cr in dance or perm dance adviser*  
*prereq or coreq: SEDF 20400*

3 hrs plus 36 hours fieldwork 4 cr.

EDUC 49000 - Honors Course in Educational Research
Individual research in education. Admission by permission of the chairperson.

**prereq:** full education sequence including student teaching; 3.5 GPA in education courses and cumulative GPA of 2.8.

2 hrs 2 cr.

**HED 20100 - Women and Health**

PD/C
An exploration of health issues affecting women, particularly as these issues relate to the socialization of women, reproductive and sexual health, and medical practices.

cross-listed WGS 25100

3 hrs 3 cr.

**HED 30500 - Sex Education**

An overview of human sexuality through affective processes with an emphasis on social and cultural influences, and the role of family and school in sexuality education.

3 hrs 3 cr.

**HED 30600 - Drugs and Drug Dependencies**

The nature of addiction and dependency. The course focuses on social learning theory and the role of family, school, and community in drug prevention education.

3 hrs 3 cr.

**HED 31400 - Health Education for the Classroom Teacher**

The preparation of the elementary educator to assist children in grades 1-6 in making decisions for optimum health and wellness, including nutrition education and fitness; mental/emotional health and conflict resolution; drug education; stress management; safety education including fire safety; family living/sex education including HIV/AIDS education and orientation issues; personal safety and the role of the classroom teacher as a mandated reporter of child abuse and neglect; environmental health; and violence prevention.

**prereq:** QSTB 20200, QSTF 30100 **prereq or coreq:** QSTF 30200

3 hrs 3 cr.

**HED 48000 - Independent Study in Health Education**

An exploration in an area of special interest with faculty guidance. Topic to be approved by adviser.

30-45 hrs 1-3 cr.

**QSTA 40000 - The Art of Effective Teaching**

This course is designed to orient elementary school teacher candidates to the world of urban education and their roles as quality educators. An introduction to the basic pedagogical practices of teaching, the connection between theory and practice as it relates to the role of teachers, instructional methods for teaching diverse student populations, effective classroom management practices, organizational strategies, motivation techniques and methods of assessment.

3 hrs 3 cr.

**QSTA 40100 - Developmental Reading**
Theoretical and practical aspects of literacy with particular emphasis on teaching literacy to diverse populations. In addition, the role of family and community involvement and the use of technology for literacy development will be stressed.

*coreq: QSTB 20200, QSTAB 30000*  
*prereq or coreq: QSTA 40000, CSCI 11500*  
2 hrs 2 cr.

**QSTA 40600 - Mathematics Teaching and Learning in Elementary School**

Modern methods for teaching mathematics through understanding in the elementary grades.

*Transfer students may be allowed to enroll in QSTA 40600 after completing MATH 10400 and registering for MATH 10500 if their progress through the QUEST program would be delayed by the MATH 10500 prerequisite requirement.*  

*prereq: MATH 10400, 10500, QSTA 41000, 41200, QSTAB 30000*  
*coreq: QSTB 41300, QSTAB 30200*  
2 hrs 2 cr.

**QSTA 40700 - The Arts: An Interdisciplinary Learning Experience**

Offered in collaboration with Lincoln Center Institute, this course is designed to introduce teacher candidates to the role of arts in learning across the curriculum. Teacher candidates will experience the creative process through hands-on study of works of art (visual arts, music, theatre, and dance) to enhance the aesthetic sensibilities of students in grades 1-6.

*prereq: QSTA 40100, QSTB 20200, QSTAB 30000*  
3 hrs 3 cr.

**QSTA 41000 - Literacy Across the Content Areas**

Theoretical, methodological, practical, and technological aspects of teaching literacy to elementary school students with an emphasis on meeting the literacy needs of diverse student populations.

*prereq: QSTA 40100, QSTB 20200, QSTAB 30000*  
*coreq: QSTA 41200, QSTAB 30100*  
2 hrs 2 cr.

**QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools**

Teaching social studies through literature, the arts, and technology in grades 1-6. Literature selections will include original documents, essays, historical fiction, novels, diaries, journals, poetry, drama and folktales. Instructional strategies will include interdisciplinary curriculum and differentiated learning, teaching, and assessment strategies for English language learners and students with disabilities. Diverse activities will include utilizing the community, particularly museums, as a laboratory for student learning.

*prereq: QSTA 40100, QSTB 20200, QSTAB 30000*  
*coreq: QSTA 41000, QSTAB 30100*  
2 hrs 2 cr.

**QSTA 41400 - Teaching Science in Elementary Schools**
This course is inquiry-based or process-oriented. Focuses on the doing part of science more than the facts part of science. Includes analysis of local, state and national science standards, working with students from culturally diverse backgrounds, using multimedia technology effectively, and working with parents and the community. Students will be observed in science teaching activities during their co-requisite student teaching in science.

**prereq:** QSTA 40600, 41000, 41200, QSTAB 30100  
**coreq:** QSTA 41500  
2 hrs  2 cr.

**QSTA 41500 - Student Teaching**

Supervised student teaching experience in an elementary school setting at one grade level from grades 1-6. Requirements include four full days per week of student teaching for a minimum of 50 days, 30 hours of seminars + conferences, and attendance at professional development workshops.

**prereq:** QSTA 40600, 40700, QSTB 41300, QSTAB 30200, HED 31400  
**coreq:** QSTA 41400  
2 per week of seminar plus student teaching  4 cr.

**QSTAB 30000 - Fieldwork I: Fieldwork for Child Development and Developmental Reading**

Supervised experiences in classroom applications of QSTA 40100: Developmental Reading and QSTB 20200: Child Growth and Development. Students will complete 6 per week of fieldwork for a minimum of 75 contact per semester. Students will develop guided observation skills, acquire practical knowledge of the design and management of instruction and the classroom environment, and work effectively with individual students and small work groups. Students receiving a grade of C in fieldwork must apply to the chairperson for permission to re-register for the course. Fieldwork may be repeated only once. Students who receive a grade lower than C may not repeat the course and may not continue in the program.

**coreq:** QSTA 40100, QSTB 20200  
**prereq or coreq:** QSTA 40000, CSCI 11500  
75 hrs  1 cr.

**QSTAB 30100 - Fieldwork II: Fieldwork for Literacy Across the Content Areas and Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools**

Supervised experiences in classroom applications of QSTA 41000 - Literacy Across the Content Areas and QSTA 41200 - Teaching Social Studies through Literature, the Arts, and Technology in Elementary Schools. Students will complete 6 of fieldwork per week for a minimum of 75 contact per semester. Students will develop the ability to apply theoretical concepts and deliver instruction to individuals and small groups of children. Students will design or adapt curriculum that meet the needs of diverse learners, including children with special needs and English language learners.

**prereq:** QSTA 40100, QSTB 20200, QSTAB 30000  
**coreq:** QSTA 41000, 41200  
75 hrs  1 cr.

**QSTAB 30200 - Fieldwork III: Fieldwork for Mathematics Teaching and Learning in Elementary School and Psychology of Teaching and Learning**

Supervised experiences in classroom applications of QSTA 40600: Mathematics Teaching and Learning in Elementary School and QSTB 41300: Psychology of Teaching and Learning. Students will complete 6 of fieldwork per week for a semester minimum of 75 contact to demonstrate the ability to apply knowledge acquired in the Mathematics Teaching
and Learning in Elementary School and Psychology of Teaching and Learning courses to effectively deliver instruction in the content areas to individual children, small work groups, and large groups of children.

**QSTB 20200 - Child Growth and Development**

The biological, cognitive, emotional, linguistic, moral, physical and social aspects of development will be addressed with respect to their role in children's experiences in school. The critical application of developmental theories and research to diverse populations will be emphasized. Contextual influences on children's development, including family, peers and the media will be included.

*coreq: QSTA 40100, QSTAB 30000
prereq or coreq: CSCI 11500, QSTA 40000
2 hrs2 cr.*

**QSTB 40300 - Social Foundations of Urban Education**

Contemporary issues and themes in the social foundations of childhood education viewed from an interdisciplinary perspective. Special emphasis on the role of family and community in the educational process.

*prereq: QSTA 40100, QSTB 20200, QSTAB 30000
3 hrs3 cr.*

**QSTB 41300 - Psychology of Teaching and Learning**

The critical application of psychological theories and principles to classroom instruction, including: learning styles; instructional models; effective teaching; motivation; student diversity; students with special needs; classroom management; and formal and informal assessment.

*prereq: QSTA 41000, 41200, QSTAB 30100
coreq: QSTA 40600, QSTF 30200
2 hrs2 cr.*

**SEDC 21000 - Building the Foundations of Literacy in Grades 7-12**

Supporting the development of literacy across the curriculum, with a focus on under-prepared students, students with special education needs, and students who are English language learners; implications for working toward standards.

*3 hrs3 cr.*

**SEDC 21100 - Young Adult Literature in Our Diverse Society**

Familiarizes prospective teachers with a wide variety of literature for or about young adults. Books discussed and dramatized during each session reflect diverse cultures, varying learning styles, and special needs of young adults. The English language arts standards are addressed as delineated in city and state regulations. Literacy and comprehension skills are explored as well.

*prereq or coreq: SEDF 20300, 20400
3 hrs3 cr.*
SEDC 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

The nature of language, and language acquisition/learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.

prereq or coreq: SEDF 20300, 20400
3 hrs3 cr.

SEDC 21300 - Methods I: Classroom Organization, Management and Instruction in Mathematics and Science, Grades 7-12

Candidates will identify the impact of various classroom organization patterns, rules and routines. Candidates will be able to design, implement and evaluate lessons in the context of state and city standards for learning in grades 7-12.

prereq or coreq: SEDF 20300, 20400
3 hrs3 cr.

SEDC 21500 - Methods I: Classroom Organization, Management, and Instruction in Social Studies, Grades 7-12

Rationales and methodologies for teaching social studies based on current theories of the nature of students, the social sciences and secondary schooling.

prereq or coreq: SEDF 20300, 20400
3 hrs3 cr.

SEDC 22000 - Adolescent Health and Safety

Health issues that are relevant to the health promotion and wellness of adolescents and their families from diverse backgrounds, abilities, and sexual orientations. Specific content areas will include nutrition, fitness, drug education, child abuse and neglect, fire prevention and safety, and violence prevention and intervention.

prereq: SEDF 20300, 20400
1 hr1 cr.

SEDC 32100 - Teaching English Methods to a Diverse Population in Grades 7-12

Methodology that facilitates the learning of English language arts for a diverse population in secondary schools. Teacher candidates will engage in ways of teaching adolescents the skills of reading, responding to literature, writing (creative and expository), listening, speaking, and applying grammar conventions. They will write lesson and unit plans and experiment with classroom management and assessment techniques as they present lessons to the class for peer and instructor criticisms. State and city teaching standards will be applied throughout the course.

prereq: SEDC 21100
prereq or coreq: SEDF 20500, SEDC 21000
2 hrs per week plus 36 hrs fieldwork2 cr.

SEDC 32200 - Methods II: Instructional Planning for Literacy, Language, and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

Standards that impact on the teaching of foreign/heritage languages at the secondary level. Emphasis is placed on the strategies, methods and materials used in planning instruction around the standards. Classroom observations will serve
as a catalyst for discussion.

*prereq: SEDC 21200* or *coreq: SEDF 20500, SEDC 21000*

2 hrs per week plus 36 hrs fieldwork2 cr.

**SEDC 32300 - Methods II: Teaching Diverse Learners in Mathematics, Grades 7-12**

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in mathematics. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

*prereq: SEDC 21300* or *coreq: SEDF 20500, SEDC 21000*

2 hrs per week plus 36 hrs fieldwork2 cr.

**SEDC 32400 - Methods II: Teaching Diverse Learners Science, Grades 7-12**

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in science. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

*prereq: SEDC 21300* or *coreq: SEDF 20500, SEDC 21000*

2 hrs per week plus 36 hrs fieldwork2 cr.

**SEDC 32500 - Methods II: Teaching Diverse Learners in Social Studies, Grades 7-12**

Familiarizes prospective middle and high school teachers, grades 7-12, with pedagogical approaches and innovative teaching techniques needed to convey to a diverse population current state and professional standards-based curriculum in the social studies. Innovative uses of technology, development of instructional units, individualizing for students with special needs, and strategies for managing problem behavior will be emphasized throughout the course.

*prereq: SEDC 21500* or *coreq: SEDF 20500, SEDC 21000*

2 hrs per week plus 36 hrs fieldwork2 cr.

**SEDC 45100 - Student Teaching in English, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified English teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

*prereq: SEDC 32100* or *coreq: SEDF 20600*

2 hrs per week, 60 days student teaching plus workshops and conferences5 cr.

**SEDC 45210 - Student Teaching in Chinese, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Chinese teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.
**SEDC 45220 - Student Teaching in French, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified French teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**SEDC 45230 - Student Teaching in German, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified German teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**SEDC 45250 - Student Teaching in Hebrew, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Hebrew teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**SEDC 45260 - Student Teaching in Italian, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Italian teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**SEDC 45270 - Student Teaching in Russian, Grades 7-12**
Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Russian teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**prereq:** SEDC 32200  
**prereq or coreq:** SEDF 20600  
**2 hrs per week, 60 days student teaching plus workshops and conferences**  
**5 cr.**

**SEDC 45280 - Student Teaching in Spanish, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified Spanish teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**prereq:** SEDC 32200  
**prereq or coreq:** SEDF 20600  
**2 hrs per week, 60 days student teaching plus workshops and conferences**  
**5 cr.**

**SEDC 45300 - Student Teaching in Mathematics, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified math teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**prereq:** SEDC 32300  
**prereq or coreq:** SEDF 20600  
**2 hrs per week, 60 days student teaching plus workshops and conferences**  
**5 cr.**

**SEDC 45410 - Student Teaching in Biology, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified biology teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**prereq:** SEDC 32400  
**prereq or coreq:** SEDF 20600  
**2 hrs per week, 60 days student teaching plus workshops and conferences**  
**5 cr.**

**SEDC 45420 - Student Teaching in Chemistry, Grades 7-12**

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified chemistry teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

**prereq:** SEDC 32400  
**prereq or coreq:** SEDF 20600  
**2 hrs per week, 60 days student teaching plus workshops and conferences**  
**5 cr.**
SEDC 45430 - Student Teaching in Physics, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified physics teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32400
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45500 - Student Teaching in Social Studies, Grades 7-12

Teacher candidates complete 30 days of student teaching at grades 7-9 and 30 days at grades 10-12 under the supervision of a Hunter College faculty member and a certified social studies teacher in a New York City school selected by the college. Students will further develop their skills in the delivery of instruction. Student teachers will assume significant responsibility for classroom instruction and management.

prereq: SEDC 32500
prereq or coreq: SEDF 20600
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDC 45600 - Student Teaching in Dance, Grades Pre-K-12

Two 30-day supervised placements (one in grades pre-K-6 and one in grades 7-12) in New York City public schools selected by Hunter College. Special Conditions: Students must apply for student teaching the fall semester before enrolling in this course. Scores on the Liberal Arts and Sciences Test (LAST) of the New York State Teacher Certification Examination must have been received by the coordinator of adolescent education prior to enrollment in student teaching.

prereq or coreq: SEDF 20600, SEDC 22000
2 hrs per week, 60 days student teaching plus workshops and conferences 5 cr.

SEDF 20300 - Social Foundations of Education, Grades 7-12 (W)

Students explore different sociological, historical, philosophical, anthropological, and political concepts and theories related to urban schooling. Emphasis on issues such as tracking, parentschool-community relations, inclusion of students with disabilities, the teaching of English language learners, and other diverse populations. Students will learn to analyze these concepts and theories and apply them to current classroom practices.

3 hrs 3 cr.

SEDF 20400 - Adolescent Development

The process of cognitive, social/emotional, personality and language development among youth who vary by gender, race and ethnicity, English proficiency and varying levels of abilities.

2 hrs per week plus 36 hrs fieldwork 2 cr.

SEDF 20500 - Educational Psychology: Applications in Grades 7-12

Basic educational psychology covering the characteristics of the learner, applications of learning theories and the instruction process as applied to the secondary setting, grades 7-12.
prereq: SEDF 20300, 20400
2 hrs per week plus 36 hrs fieldwork2 cr.

SEDF 20600 - Assessment of the Teaching and Learning Process in Grades 7-12

The principles and practices for the assessment of learning and teaching in the classroom, grades 7-12. Includes instructional objectives, test construction, descriptive statistics, interpretation of standardized test scores, performance outcome measures and alternative forms of assessment.
prereq: SEDF 20500, SEDC 21000
2 per week plus lab2 cr.

Programs and Courses in English

English

About the Department

The English Department offers students a variety of courses in the study of literature, literary theory, composition, rhetoric, linguistics and creative writing. The Department is interdisciplinary in its offerings, with a diverse faculty whose areas of research and approaches to teaching offer Hunter students a wide spectrum of historical, post-modern, theoretical, textual, and socio-cultural approaches to literary study, rhetoric and composition, linguistics and language, and creative writing. The department encourages disciplined, original thinking and writing while its small classes promote learning through stimulating discussions.

Introductory and intermediate courses present a wide range of literary forms, periods and genres. Students who major in English choose one of four concentrations: Literatures, Language and Criticism; Creative Writing; Adolescent Education (a concentration designed for prospective high school teachers), or English Language Arts. Qualified students may enroll in honors seminars and tutorials. The English Department participates in Hunter’s interdisciplinary programs in Asian American Studies, Comparative Literature, Women’s and Gender Studies, and Religion. The English major provides a foundation for careers in writing, teaching, journalism, publishing, law, business, or any other career that depends on the ability to read analytically and write effectively.

ENGL 22000 - Introduction to Literature is a prerequisite to all literature courses numbered above 22000 in the English Department. Students who plan to major in English should take no more than 6 credits past ENGL 22000 before declaring the major.

Prerequisite for all 300- and 400-level writing courses (except ENGL 30100) is ENGL 30000 - Introduction to Creative Writing. Students must pass this course with a minimum grade of B to major in creative writing.

Programs and Courses

Programs and Courses in English

Administration and Faculty

Department Office:

1212 West
(212) 772-5070
Web site: http://www.hunter.cuny.edu/~english
Undergraduate Major

Concentration in Creative Writing (30 cr)

The concentration in Creative Writing is designed to provide students with an informed appreciation of the depth and breadth of literature written in English, as well as the opportunity to develop their own interests and skills in creative writing. Students concentrating in Creative Writing take four required courses in literature, and at least four creative writing workshops.

This concentration consists of 3 parts:

A. Four Required Literature Courses (12 cr)

ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism

An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.

prereq: ENGL 22000
3 hrs 3 cr.

2. One course chosen from the following in American Literature
ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)

GER 3/A
An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 39600 - American Prose (1871-1914)

GER 3/A
Study of such authors as Twain, Howells, James, Dreiser, Crane and Wharton.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 39700 - American Poetry to 1914

GER 3/A
Study of such poets as Taylor, Poe, Emerson, Whitman, Dickinson and E. A. Robinson. May be used toward Part 4 of the American Literature concentration.
prereq: ENGL 22000
3 hrs 3 cr.

3. One course chosen from the following courses in Multi-Ethnic or Transnational Literatures written in English:

ENGL 31800 - Advanced Topics in Literature of Non-European Americans (W)

GER 3/A PD/B
Each course is an advanced examination of one or more of the following groups: African Americans, Asian Americans, Latino Americans, Native Americans and Caribbean Americans. May be repeated once for credit with a different topic.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32000 - Multi-Ethnic American Literature (W)

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32100 - Studies in African American Literature

GER 3/A PD/B
Selected works by African American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32400 - Studies in Native American Literature
GER 3/A PD/B
Selected works by Native American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 32500 - Post-Colonial Literature in English (W)

GER 3/A
A study of post-colonial narratives written in English by writers from a number of different countries or regions, including India, the Caribbean, Egypt, Africa and Pakistan.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 32700 - Studies in Caribbean Literature (W)

GER 3/A PD/A
Selected works by Caribbean writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
prereq: ENGL 22000
3 hrs3 cr.

4. One course chosen from the following courses in Literary Theory, Linguistics, or Rhetoric

ENGL 30600 - Literary Theory (W)

GER 3/A
Major theories of literature, with emphasis on contemporary trends.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 33100 - The Structure of Modern English

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 33200 - History of the English Language (W)

Development of English from earliest records to the present. Spread of English across the globe. Effects on English of contacts with other languages. Satisfies linguistics but not literature requirements.
prereq: ENGL 22000
3 hrs3 cr.

B. Four Required Creative Writing Workshops (12 cr)
All students who are planning to concentrate in creative writing must first take the three-genre

**ENGL 30000 - Introduction to Creative Writing**

GER 3/A  
An introduction to creative writing with a primary focus on poetry, fiction and creative nonfiction, including expository writing, workshop exercises and an introduction to workshop methods.  
*Students must pass this course with a B to major in creative Writing. Prerequisite for all 300-level writing courses, except ENGL 30100.*  
*prereq:* ENGL 22000  
3 hrs3 cr.  
and pass it with a grade of B or higher

After successfully completing English 30000 with a grade of B or higher, students take 3 more creative writing workshops from the following, at least one of which must be a level-II workshop

**ENGL 30900 - Workshop in Non-Fiction II**

GER 3/A  
A continuation of Workshop in Non-Fiction I, with increasing emphasis on craft and revision.  
*This course may be repeated once for credit.*  
*prereq:* ENGL 30000 and 30800  
3 hrs3 cr.

**ENGL 31100 - Workshop in Fiction I**

GER 3/A  
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of fiction.  
*prereq:* ENGL 30000  
3 hrs3 cr.

**ENGL 31300 - Workshop in Fiction II**

GER 3/A  
A continuation of ENGL 31100, with increasing emphasis on craft and revision.  
*This course may be repeated once for credit.*  
*prereq:* ENGL 30000 and ENGL 31100  
3 hrs3 cr.

**ENGL 31400 - Workshop in Poetry I**

GER 3/A  
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of poetry.  
*prereq:* ENGL 30000  
3 hrs3 cr.
ENGL 31600 - Workshop in Poetry II

GER 3/A
A continuation of ENGL 31400, with increasing emphasis on craft and revision. 
*This course may be repeated once for credit.*
*prereq: ENGL 30000 and ENGL 31400*
3 hrs3 cr.

ENGL 48400 - Special Studies Seminar

GER 3/A
Topics in British and American literature or linguistics. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
3 hrs3 cr.

C. Two Electives (6 cr.)

Electives may be chosen from any of the department’s 300- or 400-level courses, including, if the student is eligible, one of the Honors Seminars (ENGL 48400). In special cases, full-time faculty may find it appropriate to supervise a student who is interested in taking on an individual creative project for 3 credits; this option is listed in the catalog, and in semester-by-semester class postings, as ENGL 48500 - Individual Tutorial Project. Successful completion of such a course may also, if arranged beforehand, qualify as an Honors course.

Concentration in English Language Arts

Return to Programs and Courses in English

The concentration in English Language Arts is designed to provide students with experience in the study of literature, language, rhetoric, and writing. While it is designed and intended primarily for prospective elementary school teachers, the concentration is open to all students. Students take four required literature courses, two required courses in language and/or rhetoric, and two required courses in writing. The remaining two courses are electives and may be chosen from among the following: any of the English department’s 300- or 400-level literature courses, including, if the student is eligible, one of the Honors seminars (ENGL 49400); any of the 300-level Creative Writing workshops for which the student has met the prerequisite(s); any 300- or 400-level courses in linguistics or literatures taught in English in other departments for which the student meets that department’s prerequisite(s); and selected Theatre courses (THEA 16100, THEA 32100, THEA 37600, THEA 37700, THEA 37800) for which the student meets that department’s prerequisite(s). The English department strongly recommends that students choose at least one Language, Writing, or Modern/Contemporary Literature elective course.

This concentration consists of Four parts:

A. Four Required Literature Courses (12 cr.)

ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism

An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.
*prereq: ENGL 22000*
3 hrs3 cr.
One course chosen from among the following courses in American Literature:

**ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)**

GER 3/A  
An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.  
*prereq: ENGL 22000*  
3 hrs 3 cr.  
-or-

**ENGL 39600 - American Prose (1871-1914)**

GER 3/A  
Study of such authors as Twain, Howells, James, Dreiser, Crane and Wharton.  
*prereq: ENGL 22000*  
3 hrs 3 cr.  
-or-

**ENGL 39700 - American Poetry to 1914**

GER 3/A  
Study of such poets as Taylor, Poe, Emerson, Whitman, Dickinson and E. A. Robinson. May be used toward Part 4 of the American Literature concentration.  
*prereq: ENGL 22000*  
3 hrs 3 cr.

**ENGL 30500 - Studies in Children's Literature**

GER 3/A  
Selected works of children's literature in relation to a special theme, technique, theoretical issue, or cultural consideration.  
*prereq: ENGL 22000*  
3 hrs 3 cr.

**ENGL 32000 - Multi-Ethnic American Literature (W)**

GER 3/A PD/B  
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.  
*prereq: ENGL 22000*  
3 hrs 3 cr.

B. Two Required Language and/or Rhetoric Courses (6 cr.)

**ENGL 33100 - The Structure of Modern English**

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.
prereq: ENGL 22000
3 hrs3 cr.

one course chosen from among the following:

ENGL 33200 - History of the English Language (W)

Development of English from earliest records to the present. Spread of English across the globe. Effects on English of contacts with other languages. Satisfies linguistics but not literature requirements.
prereq: ENGL 22000
3 hrs3 cr.

-or-

ENGL 33300 - Advanced Topics in Language and Linguistics

GER 3/A
Exploration of one or more linguistic systems (phonology, semantics, syntax, discourse, or pragmatics) through the analysis of literary and nonliterary texts and their social and cultural contexts. May be taken more than once in different topics.
prereq: ENGL 22000
3 hrs3 cr.

C. Two Required Courses in Writing (6 cr.)

ENGL 30100 - Theory and Practice of Expository Writing

GER 3/A
Composition in variety of nonfiction prose forms and study of rhetorical theories.
prereq: ENGL 22000
3 hrs3 cr.

One course chosen from the following:

ENGL 30000 - Introduction to Creative Writing

GER 3/A
An introduction to creative writing with a primary focus on poetry, fiction and creative nonfiction, including expository writing, workshop exercises and an introduction to workshop methods. Students must pass this course with a B to major in creative Writing. Prerequisite for all 300-level writing courses, except ENGL 30100.
prereq: ENGL 22000
3 hrs3 cr.

-or-

ENGL 30800 - Workshop in Non-Fiction I

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of various non-fiction genres, including memoir/autobiography and other forms of personal essays, review essays, occasional pieces, and philosophical essays.
prereq: ENGL 30000
3 hrs 3 cr.

Note:

Students must take ENGL 30000 or 30100 before taking ENGL 30800.

D. Two Electives (6 cr.)

Students may choose from among 300- or 400-level courses, including, if the student is eligible, one of the Honors Seminars (ENGL 49400). With prior approval of an advisor, students may also choose 300- or 400-level courses in linguistics or literatures taught in English in another department.

Theatre Courses (with approval of English Department Adviser)

With the prior approval of an adviser, students may also choose from among the following Theatre courses:

THEA 16100 - Acting I: Basic Acting Techniques
For intended majors and non-majors. Exploration of the fundamentals of acting technique through improvisation.
coreq:
3 hrs 3 cr.

THEA 32100 - Play Analysis (W)
GER 3/A PD/D
Principles of play analysis; examination of play structure, theatrical form, and historical period.
prereq: THEA 21100 or 21200 or 21300
3 hrs 3 cr.

THEA 37600 - Playwriting I (W)
GER 3/A
Study of problems in playwriting based on the student's own work.
prereq: THEA 10100 or perm instr.
3 hrs 3 cr.

THEA 37700 - Playwriting II
GER 3/A
Continued study of playwriting techniques, with emphasis on the structure and form of the full length play.
prereq: THEA 37600 or perm instr.
3 hrs 3 cr.

THEA 37800 - Scriptwriting for Young Audiences: Theatre, Film, and Television
GER 3/A
Note:

(Note: Some of the Theatre courses require students to take prerequisite courses in the Theatre department.)

At least one Language, Writing or Modern/Contemporary Literature elective course

It is strongly recommended that students choose at least one Language, Writing, or Modern/Contemporary Literature elective course.

Language, Rhetoric, and Writing choices may include: one of the courses in either category B. or C. (see above)

**ENGL 30900 - Workshop in Non-Fiction II**

GER 3/A
A continuation of Workshop in Non-Fiction I, with increasing emphasis on craft and revision.

*This course may be repeated once for credit.*

**prereq:** ENGL 30000 and 30800
3 hrs3 cr.

**ENGL 31100 - Workshop in Fiction I**

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of fiction.

**prereq:** ENGL 30000
3 hrs3 cr.

**ENGL 31400 - Workshop in Poetry I**

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of poetry.

**prereq:** ENGL 30000
3 hrs3 cr.

**Concentration in English: Preparation for Secondary School Teaching (30 cr)**

Return to Programs and Courses in English

The Concentration in English: Preparation for Secondary School Teaching is designed to prepare students to teach English in grades 7-12 by providing a foundation in British, American, and Multi-Ethnic literatures, as well as writing and language studies. Students choosing this concentration take 18 credits of required literature courses, 6 credits of required writing courses, a 3-credit language course, and one elective chosen from among 300- and 400-level courses offered by the Department. When taken together with the requirements for the secondary education sequence of the
School of Education, this program meets initial certification requirements for New York State and New York City public schools. Students interested in the Education sequence must apply to the School of Education for admission. Students who do not wish to pursue certification need not take the Secondary Education sequence. Eligible English: Preparation for Secondary School Teaching majors may pursue English Departmental Honors by taking ENGL 49400 - Honors Seminar: Special Studies.

*Note: The English Department strongly recommends that students take at least one modern or contemporary literature course.*

This concentration consists of four parts:

**A. Six Required Literature Courses (18 cr)**

**ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism**

An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.

*prereq: ENGL 22000
3 hrs3 cr.*

**ENGL 30300 - Western Literary Backgrounds of British and American Literature**

PD/D
Major works of Western literature in translation, including the Bible and Greek and Roman epic, drama, poetry and prose.

*prereq: ENGL 22000
3 hrs3 cr.*

**ENGL 30600 - Literary Theory (W)**

GER 3/A
Major theories of literature, with emphasis on contemporary trends.

*prereq: ENGL 22000
3 hrs3 cr.*

4. One course chosen from the following:

**ENGL 35200 - Shakespeare Survey**

GER 3/A PD/D
A survey of Shakespeare's plays. For students who do not intend to elect ENGL 35300 or ENGL 35400.

*prereq: ENGL 22000
3 hrs3 cr.*

-or-

**ENGL 35300 - Shakespeare I**
GER 3/A PD/D
Study of works from first half of Shakespeare's career.
prereq: ENGL 22000
3 hrs3 cr.

- or -

**ENGL 35400 - Shakespeare II**

GER 3/A PD/D
Study of works from second half of Shakespeare's career.
prereq: ENGL 22000
3 hrs3 cr.

5. One course chosen from the following:

**ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)**

GER 3/A
An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.
prereq: ENGL 22000
3 hrs3 cr.

- or -

**ENGL 39600 - American Prose (1871-1914)**

GER 3/A
Study of such authors as Twain, Howells, James, Dreiser, Crane and Wharton.
prereq: ENGL 22000
3 hrs3 cr.

- or -

**ENGL 39700 - American Poetry to 1914**

GER 3/A
Study of such poets as Taylor, Poe, Emerson, Whitman, Dickinson and E. A. Robinson. May be used toward Part 4 of the American Literature concentration.
prereq: ENGL 22000
3 hrs3 cr.

6. One course chosen from the following:

**ENGL 32000 - Multi-Ethnic American Literature (W)**

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.
prereq: ENGL 22000
3 hrs3 cr.

- or -
ENGL 32500 - Post-Colonial Literature in English (W)

GER 3/A
A study of post-colonial narratives written in English by writers from a number of different countries or regions, including India, the Caribbean, Egypt, Africa and Pakistan.
prereq: ENGL 22000
3 hrs3 cr.

B. Required Writing Courses (6 cr)

ENGL 30100 - Theory and Practice of Expository Writing

GER 3/A
Composition in variety of nonfiction prose forms and study of rhetorical theories.
prereq: ENGL 22000
3 hrs3 cr.

2. One course chosen from the following:

ENGL 30000 - Introduction to Creative Writing

GER 3/A
An introduction to creative writing with a primary focus on poetry, fiction and creative nonfiction, including expository writing, workshop exercises and an introduction to workshop methods.
Students must pass this course with a B to major in creative Writing. Prerequisite for all 300-level writing courses, except ENGL 30100.
prereq: ENGL 22000
3 hrs3 cr.

-or-

ENGL 34100 - Rhetorical Principles of Expository Writing

GER 3/A
Course will focus on the relationship between rhetorical principles and academic writing.
prereq: ENGL 22000
3 hrs3 cr.

C. Required Language Course (3 cr)

ENGL 33100 - The Structure of Modern English

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.
prereq: ENGL 22000
3 hrs3 cr.

D. Elective (3 cr)
Students may choose from among 300- or 400-level English courses, including, if the student is eligible, one of the Honors Seminars (ENGL 49400). It is strongly recommended that students consider choosing either a Modern/Contemporary Literature, Linguistics, Rhetoric, or Writing course to fulfill the Elective requirement.

Concentration in Literatures, Language and Criticism (30 cr)

Return to Programs and Courses in English

Majors who plan to concentrate in Literatures, Language and Criticism take four required courses and three courses in a specialized area of study. The Department recommends that students take the four required courses early in their major studies, preferably soon after they have declared the major. The Literatures, Language and Criticism concentration is designed to provide students with exposure to a range of literary texts and traditions, as well as to a specific area of study in which to focus. The first two areas of study reflect particular national literatures, but the remaining four are designed with broader approaches to literary study in mind. With prior approval, a student may also work with an advisor to design her own area of study.

This concentration consists of three parts:

Required Courses (12 credits)

The following four courses are required for all students in this concentration:

**ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism**

An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.

*prereq: ENGL 22000
3 hrs3 cr.*

**ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)**

GER 3/A

An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.

*prereq: ENGL 22000
3 hrs3 cr.*

**ENGL 30600 - Literary Theory (W)**

GER 3/A

Major theories of literature, with emphasis on contemporary trends.

*prereq: ENGL 22000
3 hrs3 cr.*
ENGL 32000 - Multi-Ethnic American Literature (W)

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.
prereq: ENGL 22000
3 hrs 3 cr.

Required Area of Study (9 cr.)

Students in this concentration must take three additional courses in one of the areas below. Particularly motivated students may also obtain prior approval from an advisor to design an area of their own choosing (e.g. literature by genre or by historical period, literary theory, cultural studies).

1. British and/or Irish Literatures
2. American Literatures, including African American, Asian American, Latino, and Native American
3. Transnational and/or Postcolonial Studies
4. Gender and Sexuality Studies
5. Race, Ethnicity, and/or Class Studies
6. Linguistics, Language, and/or Rhetoric

Electives (9 cr.)

The remaining three courses in the major are electives, chosen by the student.

English - BA

Major

The English Department offers students four concentrations: Literatures, Language and Criticism; Creative Writing; English Language Arts; and Preparation for Secondary School Teaching. Thirty credits (10 classes) in 300- and 400-level courses are required for each concentration. Up to 6 credits in the major sequence may be taken for CR/NC.

Concentration in Literatures, Language and Criticism (30 cr)

Concentration in Creative Writing (30 cr)

Concentration in English Language Arts

Concentration in English: Preparation for Secondary School Teaching (30 cr)

Literatures, Language and Criticism Concentration
Majors who plan to concentrate in Concentration in Literatures, Language and Criticism (30 cr) take four required courses, and three courses in a specialized area of study. The department recommends that students take the four required courses early in their major studies, preferably soon after they have declared the major. The Literatures, Language and Criticism concentration is designed to provide students with exposure to a range of literary texts and traditions, as well as to a specific area of study in which to focus. The first two areas of study reflect particular national literatures, but the remaining four are designed with broader approaches to literary study in mind. With prior approval, a student may also work with an adviser to design her own area of study.

**Creative Writing Concentration**

The Concentration in Creative Writing (30 cr) is designed to provide students with an informed appreciation of the depth and breadth of literature written in English, as well as the opportunity to develop their own interests and skills in creative writing. Students concentrating in Creative Writing take four required courses in literature, and at least four creative writing workshops. The four literature requirements are: 1) ENGL 338; 2) ENGL 395, 396, or 397; 3) ENGL 318, 320, 321, 324, 325, or 327; and 4) ENGL 306, 331, 332, or 340. The first workshop for ALL students is the 3-genre workshop ENGL 300: Introduction to Creative Writing, which must be passed with a grade of B or higher in order to qualify for this concentration. After successfully completing ENGL 300, students are required to take a minimum of three additional workshops, beginning with the level-I workshop in the genre(s) in which they are interested: ENGL 308, 311, or 314. Students are required to take at least one level-II workshop (ENGL 309, 313, or 316) after completing the level-I workshop in that genre. Students may also take one of the Special topics genre workshops (ENGL 484) after completing both 300-level workshops in that genre. The remaining two courses for the major are electives and may be chosen from any of the department’s 300- or 400-level courses, including, if the student is eligible, one of the Honors Seminars (ENGL 494). In special cases, full-time faculty may find it appropriate to supervise a student who is interested in taking on an individual creative project; this option is listed in the catalogue, and in semester-by-semester class postings, as ENGL 485: Independent Tutorial Study. Successful completion of such a course may also, if arranged beforehand, qualify as an Honors course.

**English Language Arts Concentration**

The Concentration in English Language Arts is designed to provide students with experience in the study of literature, language, rhetoric, and writing. While it is designed and intended primarily for prospective elementary school teachers, the concentration is open to all students. Students take four required literature courses, two required courses in language and/or rhetoric, and two required courses in writing. The remaining two courses are electives and may be chosen from among the following: any of the English department’s 300- or 400-level literature courses, including, if the student is eligible, one of the Honors seminars (ENGL 494); any of the 300-level Creative Writing workshops for which the student has met the prerequisite(s); any 300- or 400-level courses in linguistics or literatures taught in English in other departments for which the student meets that department’s prerequisite(s); and selected Theatre courses (160, 161, 321, 376, 377, 378) for which the student meets that department’s prerequisite(s). The English department strongly recommends that students choose at least one Language, Writing, or Modern/Contemporary Literature elective course.

**Concentration in Preparation for Secondary School Teaching**

The Concentration in English: Preparation for Secondary School Teaching (30 cr) is designed to prepare students to teach English in grades 7-12 by providing a foundation in British, American, and Multi-Ethnic literatures, as well as writing and language studies. Students choosing this concentration take 18 credits of required literature courses, 6 credits of required writing courses, a 3-credit language course, and one elective chosen from among 300- and 400-level courses offered by the Department. When taken together with the requirements for the Secondary Education minor of the School of Education, this program meets initial certification requirements for New York State and New York City public schools. Students interested in the Education minor must apply to the School of Education for admission. Students who do not wish to pursue certification need not take the Secondary Education minor. Eligible English:
Preparation for Secondary School Teaching majors may pursue English Departmental Honors by taking ENGL 49400 - Honors Seminar: Special Studies.

Note: The English Department strongly recommends that students take at least one modern or contemporary literature course.

Honors

In order to qualify for departmental honors, students must take the Honors Seminar (ENGL 49400) and write an honors essay. The essay is normally written in relation to the Honors Seminar and under the supervision of the professor teaching the seminar. To take the Honors Seminar, students must first complete at least 24 credits of 300- and/or 400-level English classes with a GPA of at least 3.5 in those courses and an overall GPA of at least 2.8. Of these credits, 21 (or in exceptional cases, 18) must be taken at Hunter. The Honors Seminar requirement is in addition to the specified required courses in the student’s concentration. Students interested in pursuing departmental honors should consult an undergraduate adviser. Please see the college rules on Academic Honors for more information in Academic Programs and Policies.

ENGL 49400 - Honors Seminar: Special Studies

GER 3/A PD/C
Topics in British and American literature and linguistics. May be taken a second time in another subject. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
1 sem3 cr.

Note(s)

The Honors Seminar requirement is in addition to the specified courses in the student’s major concentration. Students interested in departmental honors should consult the undergraduate adviser.

Minor in English

The English Department offers a 12-credit minor that provides students with an opportunity to pursue interests in literature, language, rhetoric, composition, and creative writing at the intermediate and advanced levels. Students may declare the Minor only after completing ENGL 22000 - Introduction to Literature, the prerequisite for all English courses above the 220 level. Students minoring in English may choose four courses (12 cr.) from among 200- and 300-level literature, language, rhetoric, or writing offerings, with a minimum of two 300-level courses necessary to satisfy the Minor requirements. Students who wish to take Creative Writing workshops in any of the three genres offered (Fiction, Poetry, and Creative Non-Fiction) must first pass ENGL 30000 - Introduction to Creative Writing, with a minimum grade of B.

Note:

NOTE: English 22000 does not count towards fulfillment of the Minor. ENGL 21800 - Advanced Expository Writing, may be used towards fulfillment of the Minor requirements, but ENGL 20100 - Intermediate Expository Writing Using Small-Group Methods, may not. English minors may not take 400-level courses.

English: Courses for English Language Learners
ENGL 00200SL - Reading II

3 hrs2 cr.

ENGL 00400SL - English for Bilingual Students II

Frequent paragraphs and essays: organizing, correcting grammar and sentence structure. Placement test required.
6 hrs + conf1 cr.

ENGL 00500SL - English for Bilingual Students III

Frequent essays: organizing ideas, revising, improving sentence variety, idiomatic structure. Placement test required.
3 hrs + conf2 cr.

English: Introductory and Intermediate Literature Courses

ENGL 22000 - Introduction to Literature

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students' understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.
prereq: ENGL 12000
3 hrs + conf3 cr.

ENGL 25000 - Topics in Literature

GER 2/C, PD/A or B or C or D
Specific critical and thematic approaches to selected works of literature written in English. Course may be taken twice if the topic differs, but not more than twice. Some topics in ENGL 250 satisfy PD requirements in categories A, B, C, or D. Check in the schedule of classes and with an undergraduate adviser.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 25100 - Topics in Literature

GER 2/C PD/A
Specific critical and thematic approaches to selected works of literature written in English. Course may be taken twice if the topic differs, but not more than twice. Some topics in ENGL 250 satisfy PD requirements in categories A, B, C, or D. Check in the schedule of classes and with an undergraduate adviser.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 25400 - Survey of English Literature II
GER 3/A P/D D
Chronologically arranged readings in British literature from the 18th to the 20th century.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 25500 - Topics in Non-European Literary Traditions (W)

GER 3/A PD/A
Each course examines literature written in the English language by writers in non-European traditions. May be repeated once for credit with a different topic.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 25600 - Topics in Literature by Non-European Americans (W)

GER 3/A PD/B
Each course is an examination of one or more of the following groups: African Americans, Asian Americans, Latino Americans, Native Americans and Caribbean Americans. May be repeated once for credit with a different topic.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 25800 - Topics in Literature by Women (W)

GER 3/A PD/C
Selected works by women written in English will be studied with emphasis on the diversity of women's lives and the effect of gender on experience. May be repeated once for credit with a different topic.
cross-listed WGS 25800 (W)
prereq: ENGL 22000
3 hrs3 cr.

English: Advanced Literature Courses

ENGL 30200 - Introduction to Literary Analysis (W)

GER 3/A
Study of selected authors, works, genres, or time periods emphasizing various modes of critical analysis and methods of research.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 30300 - Western Literary Backgrounds of British and American Literature

PD/D
Major works of Western literature in translation, including the Bible and Greek and Roman epic, drama, poetry and prose.
prereq: ENGL 22000
3 hrs3 cr.
ENGL 30500 - Studies in Children’s Literature

GER 3/A
Selected works of children’s literature in relation to a special theme, technique, theoretical issue, or cultural consideration.

prereq: ENGL 22000
3 hrs 3 cr.

ENGL 30600 - Literary Theory (W)

GER 3/A
Major theories of literature, with emphasis on contemporary trends.

prereq: ENGL 22000
3 hrs 3 cr.

ENGL 31700 - Advanced Topics in Non-European Literary Traditions (W)

GER 3/A PD/A
Each course is an advanced examination of literature written in the English language by writers in non-European traditions. May be repeated once for credit with a different topic.

prereq: ENGL 22000
3 hrs 3 cr.

ENGL 31800 - Advanced Topics in Literature of Non-European Americans (W)

GER 3/A PD/B
Each course is an advanced examination of one or more of the following groups: African Americans, Asian Americans, Latino Americans, Native Americans and Caribbean Americans. May be repeated once for credit with a different topic.

prereq: ENGL 22000
3 hrs 3 cr.

ENGL 31900 - Advanced Topics in Literature by Women (W)

GER 3/A PD/C
Selected works by women in a selected theme, technique, genre, theoretical issue, or cultural consideration. May be repeated once for credit with another topic.

cross-listed WGS 31900
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32000 - Multi-Ethnic American Literature (W)

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.

prereq: ENGL 22000
3 hrs 3 cr.

ENGL 32100 - Studies in African American Literature
GER 3/A PD/B
Selected works by African American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
**prereq:** ENGL 22000
3 hrs3 cr.

**ENGL 32400 - Studies in Native American Literature**

GER 3/A PD/B
Selected works by Native American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
**prereq:** ENGL 22000
3 hrs3 cr.

**ENGL 32500 - Post-Colonial Literature in English (W)**

GER 3/A
A study of post-colonial narratives written in English by writers from a number of different countries or regions, including India, the Caribbean, Egypt, Africa and Pakistan.
**prereq:** ENGL 22000
3 hrs3 cr.

**ENGL 32700 - Studies in Caribbean Literature (W)**

GER 3/A PD/A
Selected works by Caribbean writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
**prereq:** ENGL 22000
3 hrs3 cr.

**ENGL 32900 - Special Topics in Cross-Cultural Literature in English (W)**

GER 3/A
Selected works by authors of cross-cultural world literature in English will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.
**prereq:** ENGL 22000
3 hrs3 cr.

**ENGL 33100 - The Structure of Modern English**

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.
**prereq:** ENGL 22000
3 hrs3 cr.

**ENGL 33200 - History of the English Language (W)**

Development of English from earliest records to the present. Spread of English across the globe. Effects on English of contacts with other languages. Satisfies linguistics but not literature requirements.
**prereq:** ENGL 22000
3 hrs3 cr.
ENGL 33300 - Advanced Topics in Language and Linguistics

GER 3/A
Exploration of one or more linguistic systems (phonology, semantics, syntax, discourse, or pragmatics) through the analysis of literary and nonliterary texts and their social and cultural contexts. May be taken more than once in different topics.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 33500 - Chaucer

GER 3/A PD/D
Study of Chaucer, with emphasis on The Canterbury Tales.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 33600 - Medieval Literature (1100-1500)

GER 3/A
Selected works include examples of epic, romance, satire, allegory and lyric.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 33700 - Literary Aspects of Folklore

GER 3/A
Studies of folktales, ballads and legends in their relationship to written literature.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 33800 - Survey of British Literature I: Anglo-Saxon Literature to Romanticism

An introduction to British literature from the Anglo-Saxon to the Romantic period, surveying material in a range of genres and periods and encompassing a variety of interpretive strategies.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 34000 - History of Rhetoric

GER 3/A
This course will explore canonical and marginalized developments in the history of rhetoric. Individual sections will concentrate on specific periods such as Ancient, Enlightenment, 20th-Century, etc.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 34100 - Rhetorical Principles of Expository Writing
GER 3/A
Course will focus on the relationship between rhetorical principles and academic writing.

prereq: ENGL 22000
3 hrs3 cr.

**ENGL 34200 - Topics in Rhetoric**

GER 3/A
Topics vary from semester to semester. Course will focus on the persuasive function of language in relation to a special theme, theoretical issue, or cultural consideration. May be repeated once for credit with a different topic.

prereq: ENGL 22000
3 hrs3 cr.

**ENGL 35000 - Renaissance Drama**

GER 3/A
A survey of English Renaissance drama, excluding Shakespeare, encompassing a variety of interpretive strategies.

prereq: ENGL 22000
3 hrs3 cr.

**ENGL 35100 - The Age of Elizabeth I**

GER 3/A PD/D
Major emphasis on the work of Spenser; readings in other Elizabethan poetry and prose.

prereq: ENGL 22000
3 hrs3 cr.

**ENGL 35200 - Shakespeare Survey**

GER 3/A PD/D
A survey of Shakespeare's plays. For students who do not intend to elect ENGL 35300 or ENGL 35400.

prereq: ENGL 22000
3 hrs3 cr.

**ENGL 35300 - Shakespeare I**

GER 3/A PD/D
Study of works from first half of Shakespeare's career.

prereq: ENGL 22000
3 hrs3 cr.

**ENGL 35400 - Shakespeare II**

GER 3/A PD/D
Study of works from second half of Shakespeare's career.

prereq: ENGL 22000
3 hrs3 cr.
ENGL 35500 - Selected Studies in Shakespeare (W)

GER 3/A
Topics vary from semester to semester.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36000 - The 17th Century

GER 3/A PD/D
Emphasis on work of John Donne; survey of other poetry and prose (exclusive of Milton).
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36100 - Milton

GER 3/A PD/D
Poetry and selected prose of Milton, with special emphasis on Paradise Lost.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36200 - English Drama of Restoration and 18th Century

GER 3/A PD/D
The theatre of such playwrights as Etherege, Wycherly, Dryden, Otway, Congreve, Gay, Goldsmith and Sheridan.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36400 - The Age of Satire

GER 3/A PD/D
Poetry and nonfiction prose, chiefly of Dryden, Pope and Swift.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36500 - The Later 18th Century

GER 3/A PD/D
Poetry and nonfiction prose, with emphasis on Johnson, Boswell and Blake.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36800 - The 18th Century English Novel

GER 3/A PD/D
Major emphasis on such authors as Defoe, Fielding, Richardson, Sterne, Burney, and Austen.
prereq: ENGL 22000
3 hrs 3 cr.

ENGL 36900 - The 19th Century English Novel
GER 3/A PD/D
Major emphasis on Dickens, Thackeray, the Brontës, George Eliot, Hardy and Meredith.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 37200 - Romantic Poetry

GER 3/A PD/D
Intensive study of two or three major poets. Wordsworth, Coleridge, Byron, Shelley, Keats.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 37300 - Victorian Literature (W)

GER 3/A PD/D
Study of such authors as Tennyson, Browning, Arnold, the Rossettis, Swinburne, Carlyle, Ruskin and Newman.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 37400 - 20th Century British Poetry

GER 3/A PD/D
Study of such poets as Yeats, Lawrence, Auden, Thomas, Hughes and Larkin.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 37500 - 20th Century American Poetry

GER 3/A
Study of such poets as Eliot, Pound, Williams, Crane, Frost and Stevens.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 37600 - 20th Century British Fiction

GER 3/A PD/D
Study of such authors as Conrad, Joyce, Lawrence, Forster, Woolf, Waugh, Beckett and Lessing.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 37700 - 20th Century American Fiction

GER 3/A
Study of such authors as Dreiser, Wharton, Fitzgerald, Hemingway, Faulkner, Porter, Warren, O'Connor, Nabokov and Bellow.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 37800 - 20th Century British and Irish Drama
ENGL 37900 - 20th Century American Drama

GER 3/A
Study of such authors as O'Neill, Wilder, Hellman, Miller, Williams, Hansberry and Albee.
_prereq:_ ENGL 22000
3 hrs3 cr.

ENGL 38000 - Irish Literary Renaissance

GER 3/A PD/D
Study of leading Irish writers of early 20th century: Joyce, O'Casey, Synge and Yeats.
_prereq:_ ENGL 22000
3 hrs3 cr.

ENGL 38300 - Topics in Renaissance Literature

GER 3/A
Topics vary from semester to semester.
_prereq:_ ENGL 22000
3 hrs3 cr.

ENGL 38400 - Topics in Restoration and 18th Century Literature

GER 3/A
Topics vary from semester to semester.
_prereq:_ ENGL 22000
3 hrs3 cr.

ENGL 38500 - Topics in 19th Century Literature

GER 3/A
Topics vary from semester to semester.
_prereq:_ ENGL 22000
3 hrs3 cr.

ENGL 38600 - Topics in British and American Literature

GER 3/A, PD/C or PD/D (some topics)
Topics vary from semester to semester. Check the schedule of classes and with the undergraduate adviser to see which topics meet PD requirements.
_prereq:_ ENGL 22000
3 hrs3 cr.

ENGL 38700 - Selected Studies in British Literature
ENGL 38800 - Selected Studies in British Literature

GER 3/A
Topics vary from semester to semester. Some topics may satisfy PD requirements in categories C or D; check the schedule of classes and with the undergraduate adviser.

_prereq: ENGL 22000
3 hrs 3 cr.

ENGL 38900 - One Major Writer (W)

GER 3/A PD/C or D
Authors vary from semester to semester. May be taken more than once with permission of dept. Some authors may satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.

_prereq: ENGL 22000
3 hrs 3 cr.

ENGL 39000 - Topics in 20th Century Literature (W)

GER 3/A
Selected works from the 20th century originally written in English will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.

_prereq: ENGL 22000
3 hrs 3 cr.

ENGL 39400 - World Literature: Drama

GER 3/A
Selected plays, classical, medieval and modern, including dramatic criticism.

_prereq: ENGL 22000
3 hrs 3 cr.

ENGL 39500 - Survey of American Literature: Origins to the Civil War (W)

GER 3/A
An introduction to American literature up to the Civil War, surveying material in a range of genres and periods and encompassing a variety of interpretive approaches.

_prereq: ENGL 22000
3 hrs 3 cr.

ENGL 39600 - American Prose (1871-1914)

GER 3/A
Study of such authors as Twain, Howells, James, Dreiser, Crane and Wharton.
prereq: ENGL 22000
3 hrs 3 cr.

**ENGL 39700 - American Poetry to 1914**

GER 3/A
Study of such poets as Taylor, Poe, Emerson, Whitman, Dickinson and E. A. Robinson. May be used toward Part 4 of the American Literature concentration.

prereq: ENGL 22000
3 hrs 3 cr.

**ENGL 39800 - Selected Studies in American Literature**

GER 3/A PD/C
Authors or topics vary from semester to semester. Some topics may satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.

prereq: ENGL 22000 ENGL 39500 or ENGL 39600
3 hrs 3 cr.

**ENGL 39900 - Selected Studies in American Literature (W)**

GER 3/A PD/C
Authors or topics vary from semester to semester. Some topics may satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.

prereq: ENGL 22000, ENGL 39500 or ENGL 39600
3 hrs 3 cr.

**ENGL 48200 - Special Studies Seminar**

GER 3/A
1 hr 1 cr.

**ENGL 48300 - Special Studies Seminar**

GER 3/A
2 hr 2 cr.

**ENGL 48400 - Special Studies Seminar**

GER 3/A
Topics in British and American literature or linguistics. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
3 hrs 3 cr.

**ENGL 48500 - Individual Tutorial Project**

GER 3/A
Research paper or substantial creative work written under direction of a full-time instructor.

prereq: perm instr.
1 sem 3 cr.
ENGL 49400 - Honors Seminar: Special Studies

GER 3/A PD/C
Topics in British and American literature and linguistics. May be taken a second time in another subject. Some topics satisfy PD requirements; check the schedule of classes and with the undergraduate adviser.
1 sem3 cr.

ENGL 49800 - Internship

GER 3/A
Opportunities of working in positions of responsibility in professional institutions for academic credit.
prereq: perm coordinator
1-6 hrs1-6 cr.

English: Writing Courses

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf3 cr.

ENGL 20100 - Intermediate Expository Writing Using Small-Group Methods

Additional practice in expository writing; small classes (8-10).
prereq: ENGL 12000
3 hrs3 cr.

ENGL 21800 - Advanced Expository Writing

Frequent writing practice, with emphasis on clarity, style and organization.
prereq: ENGL 12000
3 hrs + conf3 cr.

ENGL 30000 - Introduction to Creative Writing

GER 3/A
An introduction to creative writing with a primary focus on poetry, fiction and creative nonfiction, including expository writing, workshop exercises and an introduction to workshop methods.
Students must pass this course with a B to major in creative Writing. Prerequisite for all 300-level writing courses, except ENGL 30100.
prereq: ENGL 22000
3 hrs3 cr.

ENGL 30100 - Theory and Practice of Expository Writing
GER 3/A
Composition in variety of nonfiction prose forms and study of rhetorical theories.
prereq: ENGL 22000
3 hrs 3 cr.

**ENGL 30800 - Workshop in Non-Fiction I**

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to
develop their skills as writers and readers of various non-fiction genres, including memoir/autobiography and other
forms of personal essays, review essays, occasional pieces, and philosophical essays.
prereq: ENGL 30000
3 hrs 3 cr.

**ENGL 30900 - Workshop in Non-Fiction II**

GER 3/A
A continuation of Workshop in Non-Fiction I, with increasing emphasis on craft and revision.

*This course may be repeated once for credit.*
prereq: ENGL 30000 and 30800
3 hrs 3 cr.

**ENGL 31100 - Workshop in Fiction I**

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to
develop their skills as writers and readers of fiction.
prereq: ENGL 30000
3 hrs 3 cr.

**ENGL 31300 - Workshop in Fiction II**

GER 3/A
A continuation of ENGL 31100, with increasing emphasis on craft and revision.
*This course may be repeated once for credit.*
prereq: ENGL 30000 and ENGL 31100
3 hrs 3 cr.

**ENGL 31400 - Workshop in Poetry I**

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to
develop their skills as writers and readers of poetry.

prereq: ENGL 30000
3 hrs 3 cr.

**ENGL 31600 - Workshop in Poetry II**
GER 3/A
A continuation of ENGL 31400, with increasing emphasis on craft and revision. 
This course may be repeated once for credit.
prereq: ENGL 30000 and ENGL 31400
3 hrs 3 cr.

ENGL 48555 - Advanced Prose Writing

GER 3/A
400-Level Writing Course

Programs and Courses in Film and Media

Film and Media Studies

About the Department

The Hunter College Department of Film and Media Studies offers three degree programs in the production and critical analysis of film and media. We offer two undergraduate degrees—one in Film and one in Media Studies—and a graduate MFA Degree in Integrated Media Arts. Students are encouraged to develop a creative voice that is socially aware and engaged and can find expression across a range of contemporary media technologies.

Our curriculum is founded on the integration of theory and practice. Leading scholars in history, aesthetics, media policy, critical theory and alternative and international practices provide students with a broad base in analytical thinking. Courses deal with subjects such as the history and aesthetics of film, video, television and new media; genre studies; the history, production and distribution of print and broadcast news; media representations of race, class and gender; and the intricate relationships among the mass media, popular culture and society.

The department’s production courses encourage students to work creatively in a variety of existing and emerging media forms. Courses include narrative film production (including screenwriting and directing), documentary production, television production, journalism and emerging media (including web design and programming, interactive storytelling and game design). The department is distinguished by award-winning faculty who are active in their respective fields.

In addition to classroom activities, students earn general elective credits through internships in New York City’s vibrant media industries. Host institutions include film, television, radio, video and record companies; newspaper, magazine and book publishers; public relations and advertising agencies; museums and other non-profit organizations; and telecommunications and emerging media organizations.

Through its courses and extracurricular activities, the Hunter College Department of Film and Media Studies is injecting new creative voices into the public sphere by educating a diverse community of creative minds.

Programs and Courses

Programs and Courses in Film and Media

Administration and Faculty

Department Office:
Chair:

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Deputy Chair for Film and
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Faculty

Film and Media Studies Faculty

HEGIS Codes: 1010 (Film), 0601 (Media)

Undergraduate Major

Film - BA

Major in Film (30 cr)

30 credits, combined total: 12 credits analytical, 12 credits production and 6 credits electives from analytical and/or production courses.

Students must receive a grade of B or better in FILM 10100 to declare a major in film. The major must be declared in person with an undergraduate film adviser (call (212) 772-4949 to schedule). The student must bring his or her transcript, and, where relevant, transcripts from other colleges attended, when meeting with the undergraduate film adviser to declare a film major. Students majoring in film must also take FILMP 15000 which is prerequisite for all film production courses. FILM 10100 and FILMP/MEDIAP 15000 do not count towards the major. A maximum of 6 credits in MEDIA courses at the 200 or 300 level may be applied toward the major in film. Students must meet any
prerequisites for these courses. Courses at the 100 level, independent study, and internship courses do not count toward the major. Students must see a program adviser to plan choice and sequence of courses.

I Analytical Course Requirements (12 cr)

A) Film Style and Close Analysis (6 cr)

FILM 20100 - Practical Film Analysis

GER 3/A
Close case study of a selected motion picture.
prereq: FILM 10100
3 hrs 3 cr.

plus 3 credits from one of the following courses:

FILM 22400 - Cinematic Space

GER 3/A
Study of the theories and uses of cinematic space, film design, and the relationship between art direction and film narrative.
prereq: FILM 10100, 20100
4 hrs 3 cr.

FILM 23100 - Studies of Selected Directors

GER 3/A
Study of aesthetic and cultural implications of authorship as developed and practiced in cinema. May be repeated for credit with a different topic.
prereq: FILM 10100, 20100
4 hrs 3 cr.

FILM 32300 - Film Technology and Aesthetic Theory

GER 3/A
Study of the relationship between film technology and film theory. May be repeated for credit with a different topic. Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 20100, 25100
4 hrs 3 cr.

FILM 32351 - Aesthetics of Film Sound

GER 3/A
Examination of the history, theory and aesthetics of the relationship between film sound and image. Except as otherwise noted, ENGL 12000 is prerequisite for all 30000- and 40000-level courses in FILM.
prereq: FILM 10100, 20100
4 hrs 3 cr.

FILM 33300 - Styles and Theories of Film Acting
GER 3/A
Study of film acting with regard to theoretical structures and aesthetic practice.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 20100
4 hrs3 cr.

B) Film History (6 cr):

FILM 21100 - Film History I: 1895-1942

GER 3A PD/D
Survey of film history and theory from the silent era to 1942.
prereq: FILM 10100
4 hrs3 cr.

FILM 21200 - Film History II: Since 1942

GER 3/A PD/D
Survey of film history and theory from 1942 to the present.
prereq: FILM 10100
4 hrs3 cr.

If students choose to take only FLM 21100 or only FLM 21200, they must also choose from the following:

FILM 21300 - National Cinema

GER 3/A PD/D or A
Study of the cultural background, theoretical underpinnings, and artistic practices of a selected national cinema. May be repeated for credit with a different topic.
prereq: FILM 10100
4 hrs3 cr.

FILM 23000 - Movies in American Culture

GER 3/A
Cultural processes that affect the production and reception of movies in the U.S. Interrelationships among the stylistic, thematic, technical, industrial and regulatory aspects of American moviemaking.
prereq: FILM 10100, 21100 or FILM 21200
3 hrs3 cr.

FILM 34400 - History of Cinematography

GER 3/A
Survey class addressing key developments in the history and aesthetics of cinematography.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 20100, 21100 or 21200
4 hrs3 cr.

FILM 39700 - Topics in Film History
A focused examination of specific issues and moments in film history. May be repeated for credit under a different topic.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.

prereq: FILM 10100, 20100, 21100 or 21200

4 hrs 3 cr.

II Production Course Requirements (12 cr):

A) Required Production Sequence (9 cr):

**FILMP 25100 - Film Production I**

Introduction to the fundamentals of filmmaking, writing, cinematography and editing.

prereq: FILM 10100, FILMP/MEDIAP 15000; open to majors only or perm instr.

4 hrs 3 cr.

**FILMP 27600 - Screen Writing I - The Short (W)**

The Short Fundamentals of writing for film; critiques of original student scripts.

prereq: FILM 10100 and ENGL 12000; open to film/media majors only or perm instr.

4 hrs 3 cr.

**FILMP 35200 - Film Production II**

Further development of fundamental filmmaking skills: pre-production, directing, and sync sound production techniques.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.

prereq: FILMP 251, FILMP 27600 open to film/media majors only or perm instr.

4 hrs 3 cr.

B) Advanced Production Cluster (3 cr):

**FILMP 37100 - Screen Directing I**

Theory and practice of the film director's role as guiding force in creation of visual and aural images.

Except as otherwise noted, ENGL 120 is prerequisite for all 300- and 400-level courses in FILM.

prereq: FILMP 251, FILMP 276; open to film/media majors only or perm instr.

4 hrs 3 cr.

**FILMP 37700 - Screen Writing II The Feature (W)**

Continuation of workshop experience with emphasis on full-length screenplay.

Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.

prereq: FILMP 27600

4 hrs 3 cr.

III Elective Course Requirements (6 cr):
From analytical and/or production electives: At least one elective must be a 300 level or above course.

A) Analytical Electives:

**FILM 21400 - Multicultural Perspectives in Cinema**

GER 3/A PD/B (214.51 only)
Study of the contributions of minority groups to filmmaking, including examination of how those contributions have countered stereotypical representations of racial, national, and cultural identity in mainstream cinema. May be repeated for credit with a different topic.
*prereq: FILM 10100*  
4 hrs3 cr.

**FILM 21500 - Women and Film**

GER 3/A PD/C  
Films by women directors and the ways women's films counter the dominant patriarchal view of women reflected in commercial cinema.  
*prereq: FILM 10100*  
4 hrs3 cr.

**FILM 22200 - Topics in Genre Studies**

GER 3/A  
Critical study of generic categories such as the western, horror, comedy, film noir, melodrama, or the musical. May be repeated for credit with a different topic.  
*prereq: FILM 10100*  
4 hrs3 cr.

**FILM 22252 - Topics in Genre Studies: “The Woman's Film” of the 1940s**

GER 3/A PD/C  
This course focuses on “the woman's film”, from the forties. Discussion of the woman's film, an umbrella term for a series of genres (melodrama, gothic film, comedies) in which the woman is the main protagonist as well as the intended spectator.  
*cross-listed WGS 22252*  
*prereq: FILM 10100*  
4 hrs3 cr.

**FILM 23200 - Experimental Film and Video**

GER 3/A PD/D  
Historical examination of pertinent films and videos with particular emphasis on current American productions.  
*prereq: FILM 10100, 20100, FILMP/MEDIAP 15000*  
4 hrs3 cr.

**FILM 29900 - Special Topics in Film**

GER 3/A  
Not offered at all times. A specific topic will be listed in Schedule of Classes for a given semester.
prereq: perm dept.
1-3 hrs1-3 cr.

FILM 32200 - Contemporary Film Theory

GER 3/A PD/D
Survey of current film theory and criticism, including developments in film semiotics, psychoanalytic film theory, feminist film theory, narrative theory, historiography and reception theory.
Except as otherwise noted, ENGL 12000 is pre requisite for all 30000- and 40000-level courses in FILM.
prereq: FILM 10100, 21100 or 21200
4 hrs3 cr.

FILM 32400 - Narrative Strategies

GER 3/A
Study of narrative techniques in cinema
Except as otherwise noted, ENGL 12000 is pre requisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100 and 20100 or 23100
4 hrs3 cr.

FILM 32600 - America in American Film and Video

GER 3/A
Investigation of the ways that film and video have dealt with issues of American identity. This course explores how basic American myths have been mobilized to project a particular view of the nation at various historical points.
Except as otherwise noted, ENGL 12000 is pre requisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 21100 or 21200
3 hrs3 cr.

FILM 32700 - Representations of Race and Ethnicity in U.S. Media

GER 3/A PD/B
A historical look at changes and continuities in the social construction of a selected race or ethnicity in movies; advertising, including political campaigns; journalism, and other forms of American popular culture. May be repeated for credit with different topic.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100
4 hrs3 cr.

FILM 32800 - Images of Resistance in the Developing World

GER 3/A PD/A
Focuses on challenges by developing world films and filmmakers to Western media stereotypes.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100
3 hrs3 cr.

FILM 33200 - Myths and Images in the Media

GER 3/A
Study of film and media as decisive vehicles of myth, imagery and aesthetics in an advanced industrial society.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.

**FILM 33400 - Theatricality and the Presentation of Self**

GER 3/A
Examination of the problems of authenticity in the performing self through analysis of representations in film, TV and the everyday.

**FILM 39100 - Problems in Film Research**

GER 3/A
Study of basic methods of solving problems in the field of cinema studies.

**FILM 39900 - Studies in Film**

GER 3/A
Not offered at all times. Specialized topics for majors will be listed in Schedule of Classes for a given semester.

**FILM 40100 - Independent Research**

Open to majors only. Directed program of reading, research, or creative presentation, arranged on an individual basis.

**FILM 40200 - Honors Project**

Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision.

**FILM 49900 - Advanced Seminar**

Selected topics in cinema studies.
B) Film Production Electives:

A second course from the advanced production cluster may be taken as an elective course.

**FILMP 37100 - Screen Directing I**

Theory and practice of the film director's role as guiding force in creation of visual and aural images. 
*Except as otherwise noted, ENGL 120 is prerequisite for all 300- and 400-level courses in FILM.*  
*prereq: FILMP 251, FILMP 276; open to film/media majors only or perm instr.*  
4 hrs 3 cr.

**FILMP 37700 - Screen Writing II The Feature (W)**

Continuation of workshop experience with emphasis on full-length screenplay. 
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
*prereq: FILMP 27600*  
4 hrs 3 cr.

**FILMP 31100 - Directing Documentary Video Production**

Exploration of the aesthetics of documentary form that provides students with an in-depth and hands-on understanding of preproduction and production of documentary video. 
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
*prereq: MEDP 28100; open to film/media majors only or perm instr.*  
4 hrs 3 cr.

or

**FILMP 28600 - Sound for Film and Video I**

Basic sound theory and production sound recording techniques, concentrating on microphones, field mixers and recording equipment, boom operation and on-set procedures. 
*prereq: FILMP 25100 or MEDP 28100*  
3 hrs 3 cr.

**FILMP 34100 - Producing the Film**

Contracts, financing, distribution, copyright law, options, acquisition of rights, securities law requirements. 
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
*prereq: FILMP 25100, FILMP 27600*  
3 hrs 3 cr.

**FILMP 37200 - Screen Directing II**

Continuation of FILMP 37100.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
*prereq: FILMP 37100 or permission of instructor*  
4 hrs 3 cr.
FILMP 38100 - Techniques of Cinematography

Advanced cinematographic techniques such as sensitometry, effects lighting and special effects.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
prereq: FILMP 35200 or permission of instructor  
4 hrs 3 cr.

FILMP 38200 - Narrative Editing

Narrative editing concepts, theories and techniques. Editing exercises explore the aesthetic and practical components of the craft and introduce advanced digital editing tools.  
\[ \text{prereq: FILMP 25100} \]  
4 hrs 3 cr.

FILMP 38300 - Sound Design

Aesthetics of sound design with practical instruction in audio post-production technology.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
prereq: FILMP 25100 or MEDIAP 28100 or perm. instr.  
3 hrs 3 cr.

FILMP 38400 - Film and Video Production

Production of short films with each student assigned to specific crew positions.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
prereq: FILMP 35200, and permission of instructor.  
variable hrs 3 cr.

FILMP 39900 - Special Topics in Advanced Film Practice

Offered periodically with the specific topic listed in the schedule of classes.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
prereq: perm instr.  
4 hrs 3 cr.

FILMP 45100 - Film and Video Production Seminar

Individual student films produced under faculty supervision.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
prereq: FILMP 35200 and perm instr.  
3 hrs 3 cr.

FILMP 49800 - Internship

Opportunity to gain professional experience  
40 working per. *Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
prereq: FILM 10100, two other film courses or equiv; perm dept and host institution  
1-6 cr, 40 working hrs per cr.
Minor in Film

Students who wish to minor in film must complete a total of 15 credits. FILM 10100 does not count towards the minor.

Required courses

**FILM 21100 - Film History I: 1895-1942**

GER 3A PD/D
Survey of film history and theory from the silent era to 1942.
*prereq: FILM 10100
4 hrs 3 cr.*

**FILM 21200 - Film History II: Since 1942**

GER 3/A PD/D
Survey of film history and theory from 1942 to the present.
*prereq: FILM 10100
4 hrs 3 cr.*

and two 200-level courses, and two 300-level courses.

No film production classes (designated FILMP) are available to minors with the exception of

**FILMP 27600 - Screen Writing I - The Short (W)**

The Short Fundamentals of writing for film; critiques of original student scripts.
*prereq: FILM 10100 and ENGL 12000; open to film/media majors only or perm instr.
4 hrs 3 cr.*

**FILMP 37700 - Screen Writing II The Feature (W)**

Continuation of workshop experience with emphasis on full-length screenplay.
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 27600
4 hrs 3 cr.*

Honors

To qualify for departmental honors in Film or Media Studies, a student must have a 3.5 grade point average in major courses and a 3.0 grade point average overall. The student must also either complete an Honors Project, approved by the Department Policy and Curriculum Committee, with a grade of A; or a 400-level production or analytical seminar course with a grade of A. See the department for more information.

**FILM 40200 - Honors Project**

Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision.
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: 3 advanced-level courses, 3.0 GPA and 3.5 major GPA perm dept.
3 hrs 3 cr.*
MEDIA 40200 - Honors Project

Open to Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision. Successful completion qualifies student for departmental honors at graduation.

prereq: 3 advanced-level courses; 3.0 GPA and 3.5 major GPA; perm dept.
3 hrs 3 cr.

Media Studies - BA

(24 cr)

Students must receive a grade of B- or better in MEDIA 18000 to declare a major in Media Studies. The major must be declared in person with an undergraduate media studies adviser (call (212) 772-4949 to schedule).

In addition to MEDIA 18000, students must complete a total of 24 credits at the 200- or 300-level. At least 12 of these credits must be taken in the analytical segment of the curriculum (MEDIA, NOT MEDP courses).

FILMP 15000 and FILMP 16000 are prerequisites for all video production courses, but do not count toward major requirements. In certain cases, FILMP 16000 may be taken as a coreq instead of a prereq (see course descriptions for more information).

A maximum of 6 credits in film courses at the 200- or 300-level, 3 credits of which may be in production, may be applied toward the major in media studies. Students must meet any prerequisites for these courses. Courses in Independent Study, Honors Project, and Internship do not count toward the major. Students must consult a program adviser to plan choice and sequence of courses.

Note: We are currently making changes to the Media Studies major that may not be reflected in this catalog. Please visit http://filmmedia.hunter.cuny.edu for updated information about the Media Studies Major.

Double Majors

Students may choose to complete a major in the Department of Film and Media Studies and a second major in another department. A student cannot declare a double major in film and media studies. Because of the intensive nature of the production courses in both Film and Media Studies, it is strongly recommended that all students take no more than two production courses per semester.

Minor in Media Studies

The Minor in Media Studies consists of five courses for a total of 15 credits. At least one 200-level course and at least one 300-level course are required. The other three courses can be at any level. Course prerequisites must be satisfied. Internships and independent studies do not count towards the minor.

Honors

To qualify for departmental honors in Film or Media Studies, a student must have a 3.5 grade point average in major courses and a 3.0 grade point average overall. The student must also either complete an Honors Project FILM 40200 or MEDIA 40200, approved by the Department Policy and Curriculum Committee, with a grade of A; or a 400-level production or analytical seminar course with a grade of A. See the department for more information.
Film and Media: Film—Basic Courses

FILM 10100 - Introduction to Cinema

GER 2/D PD/D
Fundamental concepts of film and discussion of major critical systems. Screening of relevant films.
3 hrs 3 cr.

FILMP 15000 - Media & Film in a Digital Age I

This course is the first part of a two-semester sequence that introduces students to the theoretical and practical fundamentals of film, video, and digital media production.

prereq: MEDIA 18000 or FILM 10100
3 cr 3 hrs

FILMP 16000 - Media & Film in a Digital Age II

This course is the second part of a two-semester sequence that introduces students to the theoretical and practical fundamentals of film, video, and digital media production.

prereq: MEDP 15000
3 hrs 3 cr

Film and Media: Film—Intermediate Courses

FILM 20100 - Practical Film Analysis

GER 3/A
Close case study of a selected motion picture.
prereq: FILM 10100
3 hrs 3 cr.

FILM 21100 - Film History I: 1895-1942

GER 3A PD/D
Survey of film history and theory from the silent era to 1942.
prereq: FILM 10100
4 hrs 3 cr.

FILM 21200 - Film History II: Since 1942
GER 3/A PD/D
Survey of film history and theory from 1942 to the present.
prereq: FILM 10100
4 hrs3 cr.

FILM 21300 - National Cinema
GER 3/A PD/D or A
Study of the cultural background, theoretical underpinnings, and artistic practices of a selected national cinema. May be repeated for credit with a different topic.
prereq: FILM 10100
4 hrs3 cr.

FILM 21305 - National Cinema: Italian Cinema
GER 3/A PD/D
prereq: FILM 10100
4 hrs3 cr.

FILM 21344 - Israeli Cinema
GER 3A PD/A
Israeli cinema and the development of Israeli cultural identity. Designed for students of Hebrew studies and Film studies who are interested in the history of Israeli film and Israeli cultural identity as expressed in the Israeli cinema.
cross-listed HEBR 22000
prereq: FILM 10100

FILM 21351 - National Cinema: French New Wave
GER 3/A PD/D
prereq: FILM 10100
4 hrs3 cr.

FILM 21355 - National Cinema: Asian Cinema
GER 3/A PD/A
prereq: FILM 10100
4 hrs3 cr.

FILM 21400 - Multicultural Perspectives in Cinema
GER 3/A PD/B (214.51 only)
Study of the contributions of minority groups to filmmaking, including examination of how those contributions have countered stereotypical representations of racial, national, and cultural identity in mainstream cinema. May be repeated for credit with a different topic.
prereq: FILM 10100
4 hrs3 cr.
FILM 21500 - Women and Film

GER 3/A PD/C
Films by women directors and the ways women's films counter the dominant patriarchal view of women reflected in commercial cinema.
*prereq: FILM 10100
4 hrs3 cr.

FILM 22200 - Topics in Genre Studies

GER 3/A
Critical study of generic categories such as the western, horror, comedy, film noir, melodrama, or the musical. May be repeated for credit with a different topic.
*prereq: FILM 10100
4 hrs3 cr.

FILM 22252 - Topics in Genre Studies: “The Woman's Film” of the 1940s

GER 3/A PD/C
This course focuses on “the woman's film”, from the forties. Discussion of the woman's film, an umbrella term for a series of genres (melodrama, gothic film, comedies) in which the woman is the main protagonist as well as the intended spectator.
*cross-listed WGS 22252
*prereq: FILM 10100
4 hrs3 cr.

FILM 22400 - Cinematic Space

GER 3/A
Study of the theories and uses of cinematic space, film design, and the relationship between art direction and film narrative.
*prereq: FILM 10100, 20100
4 hrs3 cr.

FILM 23000 - Movies in American Culture

GER 3/A
Cultural processes that affect the production and reception of movies in the U.S. Interrelationships among the stylistic, thematic, technical, industrial and regulatory aspects of American moviemaking.
*prereq: FILM 10100, 21100 or FILM 21200
3 hrs3 cr.

FILM 23100 - Studies of Selected Directors

GER 3/A
Study of aesthetic and cultural implications of authorship as developed and practiced in cinema. May be repeated for credit with a different topic.
*prereq: FILM 10100, 20100
4 hrs3 cr.
FILM 23200 - Experimental Film and Video

GER 3/A PD/D
Historical examination of pertinent films and videos with particular emphasis on current American productions. 
prereq: FILM 10100, 20100, FILMP/MEDIAP 15000
4 hrs 3 cr.

FILMP 25100 - Film Production I

Introduction to the fundamentals of filmmaking, writing, cinematography and editing. 
prereq: FILM 10100, FILMP/MEDIAP 15000; open to majors only or perm instr.
4 hrs 3 cr.

FILMP 27600 - Screen Writing I - The Short (W)

The Short Fundamentals of writing for film; critiques of original student scripts.
prereq: FILM 10100 and ENGL 12000; open to film/media majors only or perm instr.
4 hrs 3 cr.

FILMP 28600 - Sound for Film and Video I

Basic sound theory and production sound recording techniques, concentrating on microphones, field mixers and recording equipment, boom operation and on-set procedures.
prereq: FILMP 25100 or MEDP 28100
3 hrs 3 cr.

Film and Media: Film—Upper-Level Courses

FILM 31500 - Nonfiction Film and Video

GER 3/A 
Study of the history and theory of the nonfiction film and video, with screenings of examples of documentary, propaganda, and direct cinema and video. 
Except as otherwise noted, ENGL 12000 is pre-requisite for all 30000- and 40000-level courses in FILM. 
prereq: FILM 10100
4 hrs 3 cr.

FILM 32200 - Contemporary Film Theory

GER 3/A PD/D
Survey of current film theory and criticism, including developments in film semiotics, psychoanalytic film theory, feminist film theory, narrative theory, historiography and reception theory. 
Except as otherwise noted, ENGL 12000 is pre requisite for all 30000- and 40000-level courses in FILM. 
prereq: FILM 10100, 21100 or 21200
4 hrs 3 cr.

FILM 32300 - Film Technology and Aesthetic Theory
GER 3/A
Study of the relationship between film technology and film theory. May be repeated for credit with a different topic.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 20100, 25100
4 hrs3 cr.

**FILM 32351 - Aesthetics of Film Sound**

GER 3/A
Examination of the history, theory, and aesthetics of the relationship between film sound and image.
Except as otherwise noted, ENGL 12000 is prerequisite for all 30000- and 40000-level courses in FILM.
prereq: FILM 10100, 20100
4 hrs3 cr.

**FILM 32400 - Narrative Strategies**

GER 3/A
Study of narrative techniques in cinema
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100 and 20100 or 23100
4 hrs3 cr.

**FILM 32600 - America in American Film and Video**

GER 3/A
Investigation of the ways that film and video have dealt with issues of American identity. This course explores how basic American myths have been mobilized to project a particular view of the nation at various historical points.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 21100 or 21200
3 hrs3 cr.

**FILM 32700 - Representations of Race and Ethnicity in U.S. Media**

GER 3/A PD/B
A historical look at changes and continuities in the social construction of a selected race or ethnicity in movies; advertising, including political campaigns; journalism, and other forms of American popular culture. May be repeated for credit with different topic.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100
4 hrs3 cr.

**FILM 32800 - Images of Resistance in the Developing World**

GER 3/A PD/A
Focuses on challenges by developing world films and filmmakers to Western media stereotypes.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100
3 hrs3 cr.

**FILM 33200 - Myths and Images in the Media**
GER 3/A
Study of film and media as decisive vehicles of myth, imagery and aesthetics in an advanced industrial society.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100
3 hrs 3 cr.

FILM 33300 - Styles and Theories of Film Acting
GER 3/A
Study of film acting with regard to theoretical structures and aesthetic practice.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 20100
4 hrs 3 cr.

FILM 33400 - Theatricality and the Presentation of Self
GER 3/A
Examination of the problems of authenticity in the performing self through analysis of representations in film, TV and the everyday.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, FILM 21100 or 21200
4 hrs 3 cr.

FILM 34400 - History of Cinematography
GER 3/A
Survey class addressing key developments in the history and aesthetics of cinematography.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 20100, 21100 or 21200
4 hrs 3 cr.

FILM 39100 - Problems in Film Research
GER 3/A
Study of basic methods of solving problems in the field of cinema studies.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 20100, 21100 or 21200
3 hrs 3 cr.

FILM 39700 - Topics in Film History
GER 3/A PD/D
A focused examination of specific issues and moments in film history. May be repeated for credit under a different topic.
Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.
prereq: FILM 10100, 20100, 21100 or 21200
4 hrs 3 cr.

FILMP 31100 - Directing Documentary Video Production
Exploration of the aesthetics of documentary form that provides students with an in-depth and hands-on understanding of preproduction and production of documentary video.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
prereq: MEDP 28100; open to film/media majors only or perm instr.  
4 hrs 3 cr.

**FILMP 31600 - Experimental Production**

Experimental methods of film and video production, emphasizing innovative and non-traditional formal and conceptual practice.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
prereq: FILMP 25100 or MEDIAP 28100 or perm. instr.  
3 hrs 3 cr.

**FILMP 34100 - Producing the Film**

Contracts, financing, distribution, copyright law, options, acquisition of rights, securities law requirements.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
prereq: FILMP 25100, FILMP 27600  
3 hrs 3 cr.

**FILMP 35200 - Film Production II**

Further development of fundamental filmmaking skills: pre-production, directing, and syncsound production techniques.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
prereq: FILMP 25100, FILMP 27600 open to film/media majors only or perm instr.  
4 hrs 3 cr.

**FILMP 37100 - Screen Directing I**

Theory and practice of the film director's role as guiding force in creation of visual and aural images.  
*Except as otherwise noted, ENGL 120 is prerequisite for all 300- and 400-level courses in FILM.*  
prereq: FILMP 251, FILMP 276; open to film/media majors only or perm instr.  
4 hrs 3 cr.

**FILMP 37200 - Screen Directing II**

Continuation of FILMP 37100.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
prereq: FILMP 37100 or permission of instructor  
4 hrs 3 cr.

**FILMP 37700 - Screen Writing II The Feature (W)**

Continuation of workshop experience with emphasis on full-length screenplay.  
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*  
prereq: FILMP 27600  
4 hrs 3 cr.
FILMP 38100 - Techniques of Cinematography

Advanced cinematographic techniques such as sensitometry, effects lighting and special effects.

*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*

**prereq:** FILMP 35200 or permission of instructor

4 hrs 3 cr.

FILMP 38200 - Narrative Editing

Narrative editing concepts, theories and techniques. Editing exercises explore the aesthetic and practical components of the craft and introduce advanced digital editing tools.

**prereq:** FILMP 25100

4 hrs 3 cr.

FILMP 38300 - Sound Design

Aesthetics of sound design with practical instruction in audio post-production technology.

*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*

**prereq:** FILMP 25100 or MEDIAP 28100 or perm. instr.

3 hrs 3 cr.

FILMP 38400 - Film and Video Production

Production of short films with each student assigned to specific crew positions.

*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*

**prereq:** FILMP 35200, and permission of instructor.

variable hrs 3 cr.

Film and Media: Film—Special Topics, Honors, and Advanced Studies

FILM 29900 - Special Topics in Film

**GER 3/A**

Not offered at all times. A specific topic will be listed in Schedule of Classes for a given semester.

**prereq:** perm dept.

1-3 hrs 1-3 cr.

FILM 39900 - Studies in Film

**GER 3/A**

Not offered at all times. Specialized topics for majors will be listed in Schedule of Classes for a given semester.

*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*

**prereq:** variable

3 hrs 3 cr.
FILM 40100 - Independent Research

Open to majors only. Directed program of reading, research, or creative presentation, arranged on an individual basis. 
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
prereq: perm chair
1-3 cr.

FILM 40200 - Honors Project

Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision. 
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
prereq: 3 advanced-level courses, 3.0 GPA and 3.5 major GPA perm dept.
3 hrs 3 cr.

FILM 49800 - Internship

Opportunity to gain professional experience. 
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
prereq: FILM 10100, two other FILM courses or equiv; perm dept and host institution 
1-6 cr, 40 working hrs per cr.

FILM 49900 - Advanced Seminar

Selected topics in cinema studies. 
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
prereq: perm instr.
4 hrs 3 cr.

FILMP 39900 - Special Topics in Advanced Film Practice

Offered periodically with the specific topic listed in the schedule of classes. 
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
prereq: perm instr.
4 hrs 3 cr.

FILMP 45100 - Film and Video Production Seminar

Individual student films produced under faculty supervision. 
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
prereq: FILMP 35200 and perm instr.
3 hrs 3 cr.

FILMP 49800 - Internship

Opportunity to gain professional experience
40 working per. 
*Except as otherwise noted, ENGL 12000 is prerequisite for all 300- and 400-level courses in FILM.*
prereq: FILM 10100, two other film courses or equiv; perm dept and host institution 
1-6 cr, 40 working hrs per cr.

MEDP 29900 - Special Topics in Media Production
Taught periodically, with topic listed in Schedule of Classes.

prereq: MEDIA 180, others variable
3 hrs 3 cr.

Film and Media: Media—Basic Courses

MEDIA 15100 - Introduction to Film and Video Techniques

prereq: MED 18000
3 hrs 3 cr.

MEDIA 16100 - Introduction to Digital Media

A hands-on introduction to the tools, techniques, and concepts behind the production of digital media including basic digital imaging, sound production and animation.
prereq: MED 18000
3 hrs 3 cr.

MEDIA 18000 - Introduction to Media Studies

GER 2/C
Social, political, and economic factors that determine and shape products of media organizations.
3 hrs 3 cr.

Film and Media: Media—Analytical Courses

MEDIA 26000 - Internet and Society

GER 3/A
The Impact of the Internet on American and global society.

prereq: MEDIA 18000 or permission of instr.
3 hrs 3 cr.

MEDIA 27100 - Television Culture

GER 3/A
Theoretical analysis of the production and reception of televisual texts, with close reading of particular texts.
prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 28000 - Understanding New Media
GER 3/A
The convergence of media, communications technologies, art, design, and culture. It is intended to familiarize students with important approaches in new media, focusing on the history of the medium and the conceptual history of interactivity in art and communication.
prereq: MEDIA 18000
3 hrs\ 3 cr.

MEDIA 29700 - Interviewing Techniques
GER 3/A
This course will examine the dynamics of the interview, and is designed to teach students both the theoretical and practical principles of interviewing.

prereq or coreq: MEDP 29200W; MEDP 28100 or MEDP 28200
3 hrs\ 3 cr.

MEDIA 29800 - Special Topics in Media Studies
GER 3/A
A course on film and media studies taught periodically, with topic listed in Schedule of Classes.
MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDIAP courses.
prereq: MEDIA 18000 or FILM 10100
4 hrs\ 3 cr.

MEDIA 31300 - The Culture of Publicity
GER 3/A
An in-depth historical understanding of public relations, social image-management, and opinion engineering in the U.S.
MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.
prereq: MEDIA 18000
3 hrs\ 3 cr.

MEDIA 31400 - Public Relations: Theory and Practice (W)
GER 3/A
An examination of principal techniques and strategies in public relations, including critical analysis of its social uses.
MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.
prereq: MEDP 29200
3 hrs\ 3 cr.

MEDIA 31500 - Nonfiction Film and Video
GER 3/A
Study of the history and theory of the nonfiction film and video, with screenings and examples of documentary, propaganda and direct cinema and video.
MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.
prereq: MEDIA 18000
4 hrs\ 3 cr.

MEDIA 32600 - America in American Film and Video
GER 3/A
Investigation of the ways that film and video have dealt with issues of American identity. This course explores how basic American myths have been mobilized to project a particular view of the nation at various historical points.
prereq: MEDIA 18000
3 hrs3 cr.

MEDIA 32700 - Representations of Race and Ethnicity in U.S. Media

GER 3/A PD/B
A historical look at changes and continuities in the social construction of a selected race or ethnicity in movies; advertising, including political campaigns; journalism; and other forms of American popular culture.
prereq: MEDIA 18000
4 hrs3 cr.

MEDIA 32800 - Images of Resistance in the Developing World

GER 3/A PD/A
Challenges by developing-world films and filmmakers to Western media stereotypes.
prereq: MEDIA 18000
3 hrs3 cr.

MEDIA 33000 - Movies in American Culture

GER 3/A
Cultural processes that affect the production and reception of movies in the U.S., interrelationships among the stylistic, thematic, technical, industrial and regulatory aspects of American moviemaking.
MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.
prereq: MED 180
3 hrs3 cr.

MEDIA 33200 - Myths and Images in the Media

GER 3/A
Study of film and media as decisive vehicles of myth, imagery and aesthetics in an advanced industrial society.
prereq: MEDIA 18000
3 hrs3 cr.

MEDIA 33300 - Typecasting

GER 3/A
A history of the relationship between stereotyping as a social, cultural and psychological language and the rise of modern society.
MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.
prereq: MEDIA 180 and either MEDIA 327 or MEDIA 384 or perm instr.
3 hrs3 cr.

MEDIA 36500 - Digital Copyright

GER 3/A
An introduction to the legal, economic and social principles at stake in the debate over copyright and digital technologies. The semester begins with an introduction to the basics of copyright law, the legal system, and legal
research. Students then review some of the specifics of the digital copyright debate, including topics such as peer-to-peer trading, digital rights management, and third party liability for information service providers.

prereq: MEDIA 18000
3 hrs3 cr.

**MEDIA 37000 - The Press and the Public**

GER 3/A
Analysis and discussion of relationship of the press to great issues of our time.

prereq: MEDIA 18000
3 hrs3 cr.

**MEDIA 37300 - Journalism as Literature**

GER 3/A
An examination of the relationships between journalism and literature, including literary journalism, the journalistic prose of major imaginative writers, and the stylistic characteristics of hard news reporting.

prereq: MEDIA 18000
3 hrs3 cr.

**MEDIA 37400 - Media, Sports, and Society**

GER 3/A
Examination of the relationship between media and sports and their impact on society. Workings of the present-day sports-television-advertising complex, textual analysis of television sports productions.

prereq: MEDIA 18000
3 hrs3 cr.

**MEDIA 37500 - Media and Politics**

GER 3/A
The impact of the electronic media on American politics.

prereq: MEDIA 18000
3 hrs3 cr.

**MEDIA 38000 - History of Broadcasting**

GER 3/A
Broadcasting's roots in industrialization and influence on modern society.

prereq: MEDIA 18000
3 hrs3 cr.

**MEDIA 38100 - Propaganda and the Mass Media**

GER 3/A
Study of mass media (broadcast, film, print) as forms for propaganda.

prereq: MEDIA 18000
3 hrs3 cr.
MEDIA 38300 - Popular Music and the Music Industry

GER 3/A
Exploration of social and cultural significance of popular music; history, structure, and economics of music industry. Particular emphasis on popular music from fifties to present.
*prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 38400 - Women and Media

GER 3/A PD/C
Examination, from historical and formal perspective, of ways in which women have been represented by mass media in America since mid-19th century. Exploration of how feminists for 100 years have challenged these images and posed alternative modes of cultural representation and production.
*cross-listed WGS 38400 (W)
*prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 38600 - Media Ethics

GER 3/A
An exploration of the moral issues surrounding media work, including truth-telling, social justice, cultural effects and conflicting rights.
*prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 38900 - Contrasting Media Systems

GER 3/A
Contrasts media systems in selected foreign countries from point of view of (1) degree to which system satisfies individual and social needs, (2) degree of government and private control, (3) degree of organizational sophistication and diffusion.
*prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39000 - Broadcast Journalism

GER 3/A
Structure and operations of radio and television news in relation to social, political and economic institutions.
*prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39100 - History of Print Journalism

GER 3/A
Development of newspapers and magazines as social force.
*prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39200 - Communications, Technology and Change
GER 3/A
Examination of media technologies, their development and their impact on quality and organization of human life.
prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39300 - Media Criticism

GER 3/A
Analyzes advanced approaches to media communication with focus on form and content of particular themes as they are treated by variety of media genres.
prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39400 - Mass Communications and the Law

GER 3/A
Relationship of mass media to significant constitutional problems.
prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39500 - Mass Media in Developing Countries

GER 3/A PD/A
Exploration of impact of transnational corporations on developing countries and issues of cultural domination.
prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39600 - International Communications

GER 3/A
Examination and analysis of policy issues raised by structures, flows, and contents of international communications. Areas covered include print and TV news flows, transnational culture industries, telecommunications and the Internet. MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.
prereq: MEDIA 18000
3 hrs 3 cr.

MEDIA 39700 - Cult TV Theory and Audiences

GER 3/A
This course explores the historical and cross-cultural development of “cult” television, from cancelled programs whose narratives are kept alive by fan audiences, to the mainstreaming of cult audience behavior for high-rated programs today.
prereq: MEDIA 27100
3 hrs 3 cr.

Film and Media: Media—Practice and Production Courses (MEDP)

MEDIA 18000 is a prerequisite for all 200-, 300- and 400-level MEDIA and MEDP courses.
MEDP 23900 - Entertainment Journalism (W)

Development of practical, theoretical, and rhetorical skills for writing reviews and feature stories about entertainment and the arts.  
prereq: MEDP 29200  
3 hrs3 cr.

MEDP 24000 - Effective Speechmaking

Development of skills in speechmaking and media presentation.  
prereq: MEDIA 18000  
3 hrs3 cr.

MEDP 27500 - Desktop Publishing

An introduction to the aesthetics of print layout and design, using a computer.  
prereq: MEDIA 18000  
3 hrs3 cr.

MEDP 27800 - Interactive Media Production

A hands-on course focusing on the current state of interactive media in a collaborative environment. Students will create projects integrating video, sound and text exploring design concepts and using sensors for real-time interactivity.  
prereq: FILMP/MEDP 16000  
3 hrs3 cr.

MEDP 28100 - Portable Video Production

Elements of single-camera video production.  
prereq: MEDP/FILMP 15000  
prereq or coreq: MEDP/FILMP 16000  
3 hrs3 cr.

MEDP 28200 - Studio Television Production

Elements of multi-camera studio production.  
prereq: MEDP/FILMP 15000  
prereq or coreq: MEDP/FILMP 16000  
3 hrs3 cr.

MEDP 28300 - Electronic News Gathering

This workshop guides students through the research, writing, digital video production and digital editing of community television news stories.  
prereq: MEDP 28100  
3 hrs3 cr.
MEDP 28500 - Web Production I

An exploration of the production of Internet distributed media, primarily words and images distributed as Web pages, using HTML and image manipulation software.
*prereq: FILMP/MEDP 16000
3 hrs 3 cr.*

MEDP 28600 - Sound for Film and Video I

Basic sound theory and production sound recording techniques, concentrating on microphones, field mixers and recording equipment, boom operation and on-set procedures.
*prereq: FILMP 25100 or MEDP 28100
3 hrs 3 cr.*

MEDP 29000 - Developing the Documentary (W)

This workshop guides students through the research, writing and production planning essential for eating a video or film documentary.
*prereq: MEDIA 18000
3 hrs 3 cr.*

MEDP 29200 - Basic Reporting (W)

Workshop and discussion to provide basic skills of newspaper writing.
*prereq: MEDIA 18000
3 hrs 3 cr.*

MEDP 29300 - Advanced Reporting (W)

Intermediate course to advance skills in writing and reporting.
*prereq: MEDP 29200
3 hrs 3 cr.*

MEDP 29400 - Magazine Writing (W)

This course prepares students for publishing articles in magazines, feature sections of newspapers and online Internet publications by developing writing portfolios and studying the workings of the publishing industry.
*prereq: MEDP 29200
3 hrs 3 cr.*

MEDP 29500 - Online Journalism (W)

Evaluating and employing the Internet as a source of information for journalists, as a subject of journalistic coverage and as a new form of newspaper publication.
*prereq: MEDP 29200
3 hrs 3 cr.*
MEDP 29600 - Feature Writing (W)

A course on advanced feature writing media taught periodically, with topic listed in Schedule of Classes.

_prereq: MEDP 29200
3 hrs 3 cr.

MEDP 31000 - Advanced TV Studio Production

An advanced multi-camera television studio workshop and a continuation of Studio Television Production.

_prereq: MEDP 28100, 28200
3 hrs 3 cr.

MEDP 31100 - Directing Documentary Video Production

Exploration of the aesthetics of documentary form that provides students with an in-depth and hands-on understanding of preproduction and production of documentary video.

MEDIA 18000 is a prerequisite for all 200-, 300-, and 400-level MEDIA and MEDP courses.

_prereq: MEDP 28100 or FILMP 35200
4 hrs 3 cr.

MEDP 31200 - Advanced Documentary Digital Editing

The aesthetic and technical considerations in editing the documentary video using digital equipment.

_prereq: MEDP 31100 or perm instr.
4 hrs 3 cr.

MEDP 31600 - Experimental Production

Experimental methods of film and video production, emphasizing innovative and non-traditional formal and conceptual practice.

_prereq: FILM 25100 or MEDIA 28100 or perm. instr.
3 hrs 3 cr.

MEDP 33100 - Web Production II

An exploration of the production of Internet-distributed media, especially animation, sound, and video, using GIF Animation, Flash, and sound tools.

_prereq: MEDP 28500
3 hrs 3 cr.

MEDP 34500 - Web Design Projects

A project-based class designed to give students the experience of solving practical problems in web production and to add to the advanced student's web design portfolio with a comprehensive project. Students will work independently and in teams on a large-scale collaborative project.
prereq: MEDP 33100 or perm instr.
3 hrs 3 cr.

MEDP 35000 - Workshop in Public Communication Graphics

In this studio workshop course, questions regarding the communicative powers of visual culture will be applied to the creation of advanced functional design projects.

prereq: MEDIA 18000, submission of creative portfolio of graphic work (posters, layouts, montages, three-dimensional objects, or packaging, etc.) for assessment, and perm instr.
4 hrs 3 cr.

MEDP 37200 - Investigative Reporting (W)

Understanding and practicing journalism that explores significant social issues and injustices, using diverse sources developed through the enterprise of the reporter.

prereq: MEDP 29200
3 hrs 3 cr.

MEDP 37700 - Neighborhood News (W)

An advanced reporting and writing class that will produce a community newspaper and on-line news outlet serving underserved neighborhoods. This class may be repeated once for credit.

prereq: MEDP 29200 or permission of instructor
3 hrs 3 cr.

MEDP 38300 - Sound Design

Aesthetics of sound design with practical instruction in audio post-production technology.

prereq: FILMP 25100 or MEDP 28100 or perm. instr.
3 hours 3 credits

Film and Media: Media—Special Topics, Honors and Advanced Studies

MEDIA 29900 - Special Topics in Media Studies

GER 3/A
Taught periodically, with topic listed in Schedule of Classes.

prereq: MEDIA 18000, others variable
3 hrs 3 cr.

MEDIA 39900 - Special Issues in Media Studies

GER 3/A
Taught periodically, with topic listed in Schedule of Classes.
prereq: MED 18000, others variable
3 hrs 3 cr.

MEDIA 40100 - Independent Research

Directed research or creative endeavor.
prereq: 2 advanced level courses, perm dept.
1-6 hrs 1 cr. per hr.

MEDIA 40200 - Honors Project

Open to Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision. Successful completion qualifies student for departmental honors at graduation.
prereq: 3 advanced-level courses; 3.0 GPA and 3.5 major GPA; perm dept.
3 hrs 3 cr.

MEDIA 49800 - Internship

Opportunity to gain professional experience.
prereq: MEDIA 18000 and 2 other MEDIA or MEDP courses or equiv; perm dept and host institution
1-6 cr. 40 working hrs per cr.

MEDIA 49900 - Advanced Seminar

Readings, discussion, and papers on significant problems in fields of media studies.
prereq: perm instr.
3 hrs 3 cr.

MEDP 29900 - Special Topics in Media Practice

A course on media practice taught periodically, with topic listed in Schedule of Classes.

prereq: MEDIA 18000 and other prerequisites varying according to topic offered
3 hrs 3 cr

MEDP 39900 - Special Topics in Advanced Media Production

Taught periodically, with topic listed in Schedule of Classes.
prereq: MEDIA 18000, others variable
3 hrs 3 cr.

Programs and Courses in Geography

Geography

About the Department
The department offers courses in human geography, physical geography, earth systems science, geographic techniques and methods and geology. Students may major in geography, social studies education options within geography or environmental studies; and they may minor in geography, environmental studies or geology. These areas provide preparation for both graduate study and immediate employment. Courses in all of these fields are valuable parts of a general liberal education, developing an awareness of earth phenomena and the role these play in people’s lives.

The Center for Geographic Learning was established in 2004. At the undergraduate level in association with the Hunter College School of Education and the New York City Department of Education, the Center will help prepare students who wish to become teachers of social studies or earth science. See “Options in Social Studies Education within the Geography Major” and “Preparation for Graduate Work in Teaching Earth Science,” below.

The social studies education options prepare students for a career in teaching social studies at the grades 1-6 or 7-12 levels. The geography major with electives in P GEO/GTEC and a minor in one of the sciences prepares students to pursue further study leading to a career in teaching earth science. Many of these courses are concerned with the environmental problems that are of so much concern today and can provide part of a well-rounded program of environmental studies.

Revisions in the curricula within the Department of Geography that are currently under way may involve modifications in various requirements. Please consult with the department office for up-to-date information and requirements.

**Programs and Courses**

Programs and Courses in Geography

**Administration and Faculty**

**Department Office:**

1006 North
(212) 772-5265
fax (212) 772-5268
Web site: http://geography.hunter.cuny.edu

**Chair:**

Ines M. Miyares
1003E North
(212) 650-3591
imiyares@hunter.cuny.edu

**Faculty**

Geography Faculty

HEGIS Codes: 2206 (Geography); 2205 (Adolescent Education); 4999 (Environmental Studies)

**Undergraduate Major**
Environmental Earth Science Concentration

Required courses - 22 credits (including Capstone)

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*Prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*Prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec)4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
*Prereq: CHEM 10200*
*Coreq: CHEM 10400*
8 hrs (6 lab, 2 rec)3 cr.

**GEOG 22600 - Environmental Conservation: Resource Management**

GER 2/B
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.

3 hrs3 cr.

**PGEOG 25000 - Earth System Science I**

GER 3/B
In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.
prereq: at least one 100-level science course or perm instr.
prereq or coreq: GEOL 10100 or P GEOG 13000 or GEOG 22600 or perm instr.
4 hrs 3.5 cr.

PGEOG 25100 - Earth System Science II

GER 3/B
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.
prereq: PGEO 25000 or perm instr.
4 hrs 3.5 cr.

Required Capstone Course - 3 credits

PGEOG 49000 - Honors in Environmental Studies

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.
prereq: perm dept.

-or-

PGEOG 49800 - Internship in Environmental Studies

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.
1-4 cr.

Electives - 18 credits

A minimum of 18 credits from the list below. 12 credits must be taken at the 300-level or higher. Electives are not counted towards the minor requirements.

Note: It is strongly recommended that students take STAT 11300 - Elementary Probability and Statistics.

GEOL 20500 - Environmental Geology

GER 3/B
As human populations continue to grow, resource depletion and hazards will become more severe. Many decisions concerning the use of resources, such as water, soil, minerals, energy and space to live, will determine our standard of living and the quality of the environment. Scientific knowledge, combined with human values, will dictate these decisions. This course examines not only the way geological processes operate and impact society, but also how the earth system responds to human activity. The difficult problems associated with extracting enormous quantities of resources needed to sustain modern societies will be discussed. The course will also address ways humans can minimize the risks associated with hazardous earth processes. Quantitative analysis of selected topics will be introduced to provide a deeper understanding of the complexity of today’s environmental issues.
prereq: GEOL 10100
3 hrs 3 cr.

GEOL 28000 - Marine Geology
GER 3/B
Marine Geology is the study of the seafloor. This course attempts to answer the questions “what?”,”where?”,”when?” and more importantly “how?” in order to better understand the processes that shape the ocean basins and determine the structure and composition of the oceanic crust. The main patterns of sediment distribution in the ocean basins and how sediments preserve a record of past climatic and sea-level changes will be explored. In addition, the role of fluids in ocean sediments and the oceanic crust will be examined. The seafloor sediments will be studied with a focus on their role in marine biogeochemical cycles.

prereq: GEOL 10200 or perm instr.
3 hrs3 cr.
Fall

GEOL 38000 - Advanced Oceanography: Chemistry and Physics of the Oceans

GER 3/B
The oceans play a significant role in how the climate system responds to anthropogenic perturbations. To understand past, present and future climate, students need to know and understand the world ocean.
Oceanography is multidisciplinary. It offers an opportunity to review and to apply many of the concepts taught in the major traditional disciplines of physics, chemistry, biology and mathematics. This course will offer an in-depth tour of the complex study of oceanography and an introduction to quantitative methods in oceanography using Matlab. This science-based course requires students to learn and understand, and be willing to work with, physical and quantitative concepts. Students must be prepared to learn the basics of computer scripting/programming syntax and logic, one of the major skills to be acquired in this course.

prereq: one sem CHEM or PHYS, MATH 15000 or equiv.
3 hrs3 cr.

GEOL 38300 - Special Topics in Geology and Oceanography

GER 3/B
Intensive courses in various aspects of geology or oceanography. Topics to be announced.

prereq: 200-level course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab)1-3 cr.

GTECH 20100 - Introduction to Geographic Methods

Introduces the means by which geographers analyze the world to better understand geography and geographical processes. It offers an introduction to various methods for interpreting and analyzing spatial data including, cartography, GIS, remote sensing, spatial statistics and survey research.

prereq: GEOG 10100 or GEOG 15000 and MATH 10100 or equiv or perm instr.
6 hrs (2 lec, 4 lab)4 cr.
Offered fall and spring.

GTECH 32100 - Remote Sensing of the Environment

Focuses on use of satellite images to study the environment and the physical processes involved in remote sensing to better understand the nature and properties of electromagnetic radiation and how it interacts with the atmosphere and the Earth’s surface and a wide variety of satellite sensors. These sensors make measurements in the optical, thermal and microwave electromagnetic spectrums and are used to study issues related to global environmental science and natural resource management. The course includes heavy lab components which will include practical assignments, field exercises, computer-based analysis of remotely-sensed images and the use of image processing software (ENVI) to
analyze satellite images. Field measurements will be made in Central Park to facilitate better understanding satellite measurements.

**GTECH 36100 - Geographic Information Science I**

Covers the GIS production process from data modeling and acquisition to editing, analysis, and cartographic output. GTECH 710 addresses students from both geography and other disciplines. Lecture examples, as well as hands-on exercises cover a range of application areas. The course is divided into two equally important parts: lectures, which introduce the theory of GIScience, and lab exercises, which help students with many aspects of the software. The lectures discuss concepts, data, tools, and major aspects to assignments. The laboratory sessions introduce the geospatial data and software tools needed for accomplishing the assignments. They will start at a very basic level, requiring little more than elementary experience with the Windows operating system.

**PGEOG 31300 - Biogeography**

GER 3/B

Provides an understanding of the geographic distribution and temporal variability of biological diversity over the face of the Earth and the biotic and abiotic factors and processes underlying these patterns and dynamics. Completion of PGEOG 25000/25100 and GTECH 37300 prior to enrollment is strongly recommended.

**PGEOG 33200 - Introduction to Hydrology**

GER 3/B

Designed to provide the basic understanding of how water on the Earth moves, distributes, circulates and interacts with the environment. Focus will be on hydrological processes including precipitation, evapotranspiration (evaporation and transpiration), soil water, ground water, and runoff, which form the complete water cycle at global, regional and watershed scales. The course will also cover some topics on how water responds to environmental changes and strategies of integrated water resources.

**PGEOG 33500 - Urban and Metropolitan Coasts**

GER 3/B

A systematic study of the natural and anthropogenic processes on urban coastal environments. Special emphasis on the coastline of the NY metropolitan area, with examples from coastal cities worldwide.

**PGEOG 36100 - Global Climatic Change**
GER 3/B
Open to Jr/Sr only. An intensive introduction to the study of climate change with emphasis on modern climate change, anthropogenic forcing and measured and predicted consequences of this forcing. Students will develop an understanding of natural climate forcing, natural variability and feedbacks in the climate system while concurrently studying the Earth’s climate history, and modern climate change.

prereq: PGEO 13000 or GEOL 10100 or 10500
3 hrs3 cr.

PGEOG 36300 - Environmental Hazards

GER 3/B

The course, in response to actual and potential hazards, either natural or anthropogenic in origin, will investigate the processes that link fundamental social development to environmental processes that are influenced by human activities. Natural hazards, in many cases, augment the environmental fragility of our society and the consideration of environmental hazards needs to be incorporated into management of climate variability, storms, droughts, floods, earthquakes, etc. An aim is to seek preventive measures and find solutions to act on environmental hazards on national and international levels.

prereq: PGEO 13000 or equiv.prereq or coreq: PGEOG 13000 or equiv.
3 hrs3 cr.

PGEOG 38300 - Special Topics in Environmental Studies

GER 3/B

Open to Jr/Sr only. Topics to be announced.

prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, one course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab)1-3 cr.

Total credits 40

Environmental Management and Policy Concentration

Return to Programs and Courses in Geography

Required courses - 22 credits (including Capstone)

CHEM 10200 - General Chemistry I

GER 2/E

In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. Primarily for pre-med, medical laboratory sciences and science majors.

prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E

In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E  
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.  
_Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors._

**CHEM 10000 with perm chair**  
5 hrs (4 lec, 1 rec)4 cr.

**GEOG 22600 - Environmental Conservation: Resource Management**

GER 2/B  
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.

3 hrs3 cr.

**PGEOG 25000 - Earth System Science I**

GER 3/B  
In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.  
_prereq: at least one 100-level science course or perm instr. prereq or coreq: GEOL 10100 or PGEOG 13000 or GEOG 22600 or perm instr._  
4 hrs3.5 cr.

**PGEOG 25100 - Earth System Science II**

GER 3/B  
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.  
_prereq: PGEO 25000 or perm instr._  
4 hrs3.5 cr.

**Required Capstone Course - 3 credits**

**PGEOG 49000 - Honors in Environmental Studies**
Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.

**prereq:** perm dept.

-or-

**PGEOG 49800 - Internship in Environmental Studies**

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.

1-4 cr.

**Electives - 18 credits**

A minimum of 18 credits from the list of courses below. 12 credits must be taken at the 300-level or higher. Elective are not counted towards the minor requirements. Courses not listed may be included in a student’s concentration with permission of the ES adviser.

*Note: It is strongly recommended that students take STAT 11300 Probability and Statistics.*

**COMHE 32500 - Environmental Public Health**

Impact of environmental problems associated with urbanization, e.g., water quality, air and noise pollution, waste disposal and radiation hazards.

**prereq:** acceptance to the COMHE major, or permission of the instructor

3 hrs 3 cr.

**GEOG 24100 - Population Geography**

GER 3/B PD/B or C

Course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.

**prereq:** GEOG 10100 or GEOG 15000 or perm instr.

3 hrs 3 cr.

**GEOG 32800 - Urban Environmental Problems: Evaluations and Solutions**

GER 3/B

Open to Jr/Sr only. The special environmental problems of urban and metropolitan areas will be studied, including water supplies, waste management, environmental impact and waterfront use. Natural physical processes, methodologies and techniques will be reviewed and applied to decision making. Transportation fee for field work may be required.

**prereq:** GEOG 101 or GEOG 150 or URBS 101 and Jr/Sr standing

3 hrs 3 cr.

**GEOG 33500 - International Pollution Issues**

GER 3/B

A study of international trans-boundary pollution and the science, source terms, transport pathways and international
impacts of contamination events. The regional focus will change yearly pending current global environmental events.

**GEOG 34100 - Urban Geography**

GER 3/B

Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.

**prereq:** GEOG 101 or GEOG 150 or perm instr, Jr/Sr only

3 hrs3 cr.

**GEOG 37000 - Geography of Sustainable Development in Developing Countries**

GER 3/B PD/A

Reviews the theories and approaches of international development. Themes include development theory, availability and distribution of resources, population growth, food production, water supply and forestry. The course will also highlight the development and environmental problems that challenge the achievement of sustainable development such as population growth, food and world economic crises, increasing number of the poor and climate change. The course will provide students with theory, methods, problems and analysis of factors that influence sustainable development in developing countries.

**prereq:** one of the following: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.

3 hrs3 cr.

**GEOG 37100 - Rural Water Supply in Developing Regions**

GER 3/B PD/A

Covers concepts, methods and analysis of rural water utilization and related problems and challenges in developing countries. It will discuss water management and quality and their relationship with sanitation and hygiene education. The course will also discuss methods of providing drinking water in a sustainable manner.

**prereq:** GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.

3 hrs3 cr.

**GEOL 20500 - Environmental Geology**

GER 3/B

As human populations continue to grow, resource depletion and hazards will become more severe. Many decisions concerning the use of resources, such as water, soil, minerals, energy and space to live, will determine our standard of living and the quality of the environment. Scientific knowledge, combined with human values, will dictate these decisions. This course examines not only the way geological processes operate and impact society, but also how the earth system responds to human activity. The difficult problems associated with extracting enormous quantities of resources needed to sustain modern societies will be discussed. The course will also address ways humans can minimize the risks associated with hazardous earth processes. Quantitative analysis of selected topics will be introduced to provide a deeper understanding of the complexity of today’s environmental issues.

**prereq:** GEOL 10100

3 hrs3 cr.

**GEOL 33400 - Coastal Geomorphology**

GER 3/B

A study of the basic processes shaping the coast and the resulting form; surficial morphology and internal geometry of
such forms as cliffs, dunes, beaches and near shore bars. Map exercise and a one-day field trip.

`prereq: GEOL 23100 or PGEO 23100 or equiv. or perm dept.`

3 hrs 3 cr.

**GEOL 38300 - Special Topics in Geology and Oceanography**

GER 3/B
Intensive courses in various aspects of geology or oceanography. Topics to be announced.

`prereq: 200-level course of which special topic is logical outgrowth; perm instr.`

1-4 hrs (lec or lec/lab) 1-3 cr.

**GTECH 32100 - Remote Sensing of the Environment**

Focuses on use of satellite images to study the environment and the physical processes involved in remote sensing to better understand the nature and properties of electromagnetic radiation and how it interacts with the atmosphere and the Earth’s surface and a wide variety of satellite sensors. These sensors make measurements in the optical, thermal and microwave electromagnetic spectrums and are used to study issues related to global environmental science and natural resource management. The course includes heavy lab components which will include practical assignments, field exercises, computer-based analysis of remotely-sensed images and the use of image processing software (ENVI) to analyze satellite images. Field measurements will be made in Central Park to facilitate better understanding satellite measurements.

`prereq: GTEC 32000 or perm instr.`

4 hrs (2 lec, 2 lab) 3 cr.

**GTECH 38500 - GIS Applications**

Selected topics in GIS applications to human and physical geographic problems. See department for topics offered. May be repeated for credit as topics change.

`prereq: GTEC 20100 or equiv.`

3 hrs 3 cr.

**PGEOG 31300 - Biogeography**

GER 3/B
Provides an understanding of the geographic distribution and temporal variability of biological diversity over the face of the Earth and the biotic and abiotic factors and processes underlying these patterns and dynamics. Completion of PGEOG 25000/25100 and GTECH 37300 prior to enrollment is strongly recommended.

`prereq: PGEOG 13000, GEOG 10100 or BIOL 10000/10200`

3 hrs 3 cr.

**PGEOG 33500 - Urban and Metropolitan Coasts**

GER 3/B
A systematic study of the natural and anthropogenic processes on urban coastal environments. Special emphasis on the coastline of the NY metropolitan area, with examples from coastal cities worldwide.

`prereq or coreq: Prereq: GEOL 10100 or GEOG 10100`

3 hrs 3 cr.
PGEOG 36100 - Global Climatic Change

GER 3/B
Open to Jr/Sr only. An intensive introduction to the study of climate change with emphasis on modern climate change, anthropogenic forcing and measured and predicted consequences of this forcing. Students will develop an understanding of natural climate forcing, natural variability and feedbacks in the climate system while concurrently studying the Earth’s climate history, and modern climate change.
prereq: PGEO 13000 or GEOL 10100 or 10500
3 hrs 3 cr.

PGEOG 36300 - Environmental Hazards

GER 3/B

The course, in response to actual and potential hazards, either natural or anthropogenic in origin, will investigate the processes that link fundamental social development to environmental processes that are influenced by human activities. Natural hazards, in many cases, augment the environmental fragility of our society and the consideration of environmental hazards needs to be incorporated into management of climate variability, storms, droughts, floods, earthquakes, etc. An aim is to seek preventive measures and find solutions to act on environmental hazards on national and international levels.
prereq: PGEO 13000 or equiv.prereq or coreq: PGEOG 13000 or equiv.
3 hrs 3 cr.

PGEOG 38300 - Special Topics in Environmental Studies

GER 3/B
Open to Jr/Sr only. Topics to be announced.
prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, one course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab) 1-3 cr.

POLSC 24400 - Energy and Environmental Politics and Public Policy (W)

GER 3/B
Examination of political processes and public policies shaping energy production and consumption in the U.S. with comparative reference to other countries. Emphasis on political, economic, social, environmental and foreign policy aspects.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

SOC 36100 - Development and Modernization (W)

GER 3/B PD/A
Examinations of models of social change with a special focus on developing countries.
prereq: SOC 10100
3 hrs 3 cr.

URBS 31000 - Methods of Urban Research and Policy Analysis

GER 3/B
Survey of research skills necessary for analysis of contemporary urban issues. Includes review of data sources, methods
of forecasting, use of computer, and methods of information presentation.

prereq: URBS 10200 or perm instr.
3 hrs 3 cr.

**URBS 40100 - Managing Urban Physical Environment**

GER 3/B
Advanced study of the physical structure of cities which includes an analysis of zoning, land use, transportation, and the location of housing. The role of public and private agencies at local, state, and national levels in the planning and management of the physical environment is also considered.

prereq: URBS 20100 or perm instr.
3 hrs 3 cr.

Total credits 40

**Note(s):**

*Graduate course. See 2006-2009 graduate catalog. Available to upper seniors or with instructor permission. Students who wish to take a 700-level course to satisfy the major must obtain permission from both the environmental studies adviser and the offering department.

**Environmental Studies - BA**

The major offers two concentrations which are organized to promote an intensive understanding of contemporary physical science, specifically earth system science as it relates to environmental issues, and an intensive understanding of a system-based approach to the dynamic nature of human-environmental interactions particularly as manifest in contemporary politics and economics. The concentrations are Environmental Earth Science and Environmental Management and Policy. It is suggested that students select a concentration as they enter the major with the understanding that the choice is not final at this stage and students can switch concentrations as they advance in the program. To aid in this process, the curriculum offers a common core of required courses, as well as sufficient overlap within the required elective courses. It is strongly recommended that students considering this major meet with the adviser to discuss their interests and program of studies as courses may be added or deleted as the college’s and department’s offerings change. One or more courses not listed below may be included in a student’s concentration with the advice and consent of the adviser.

A. Environmental Earth Science Concentration
B. Environmental Management and Policy Concentration

**Internships**

Students can receive from one to four credits for internships in government agencies, consumer and activist groups, business and industry and media organizations involved in energy issues (e.g., Council on the Environment of NYC, Energy Task Force, NY State Assembly, Sierra Club, International Earthcare Center, NY State Department of Energy, Brooklyn Union Gas, NYC Department of Environmental Protection and the American Museum of Natural History).

**Minor in Environmental Studies**

A minor in environmental studies consists of a minimum of 12 credits as follows
one course selected from

**PGEOG 13000 - Weather and Climate**

GER 2/E  
Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.  
5 hrs (3 lec, 2 lab) 4 cr.  
*Offered in the Fall and Spring*

**GEOL 10100 - Fundamentals of Geology**

GER 2/E  
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.  
6 hrs (3 lec, 3 lab) 4.5 cr.  
*Offered fall and spring.*

**GEOL 10500 - Introduction to Environmental Geoscience**

Introduction to environmental geoscience focusing on aspects of global change and the interrelationship of earth systems. Review of the evolution of the earth from its origins to potential future developments; environmental problems and issues.  
*prereq: ENGL 12000*  
3 hrs 3 cr.

**GEOL 18000 - Introduction to Oceanography**

GER 2/E  
Dynamic processes are responsible for the ocean’s influence on our environment and life cycles on earth. The course introduces students to the broad field of oceanography and specifically identifies areas which are of concern on both local and global scales. The origins of the oceans and life as it exists in today’s ocean will be covered. Lectures will include the sub-disciplines of biological, chemical, physical, and geological oceanography and concepts that relate to continental margins, ocean basins, sediments and seafloor spreading. Emphasis will be given to the interaction between the circulation of the atmosphere and ocean surface currents, deep ocean circulation, waves and tides. The coastal zone as a fragile environment will be highlighted in connection with dynamic physical and biological processes. No lab component.  
3 hrs 3 cr.  
*Offered fall and spring.*  
and

at least one course (minimum of 3 credits) selected from

**PGEOG 25000 - Earth System Science I**
GER 3/B
In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.
prereq: at least one 100-level science course or perm instr. 
prereq or coreq: GEOL 10100 or PGEOG 13000 or GEOG 22600 or perm instr.
4 hrs 3.5 cr.

PGEOG 25100 - Earth System Science II

GER 3/B
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.
prereq: PGEO 25000 or perm instr.
4 hrs 3.5 cr.

GEOG 22600 - Environmental Conservation: Resource Management

GER 2/B
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.

3 hrs 3 cr.

GEOL 28000 - Marine Geology

GER 3/B
Marine Geology is the study of the seafloor. This course attempts to answer the questions “what?”, “where?”, “when?” and more importantly “how?” in order to better understand the processes that shape the ocean basins and determine the structure and composition of the oceanic crust. The main patterns of sediment distribution in the ocean basins and how sediments preserve a record of past climatic and sea-level changes will be explored. In addition, the role of fluids in ocean sediments and the oceanic crust will be examined. The seafloor sediments will be studied with a focus on their role in marine biogeochemical cycles.
prereq: GEOL 10200 or perm instr.
3 hrs 3 cr.
Fall

GTECH 20100 - Introduction to Geographic Methods

Introduces the means by which geographers analyze the world to better understand geography and geographical processes. It offers an introduction to various methods for interpreting and analyzing spatial data including, cartography, GIS, remote sensing, spatial statistics and survey research.

prereq: GEOG 10100 or GEOG 15000 and MATH 10100 or equiv or perm instr.
6 hrs (2 lec, 4 lab) 4 cr.
Offered fall and spring.
and

- at least one course (minimum of 3 credits) from the 300-level approved electives listed in the college catalog under either the environmental studies program’s Concentration A Environmental Earth Science Concentration or Concentration B Environmental Management and Policy Concentration).

Minor in Geology

A minor in geology consists of 12 credits selected from GEOL prefix courses

-or-

PGEOG 23100 - Physical Geography II: Principles of Geomorphology

See GEOL 23100

-or-

PGEOG 33400 - Coastal Geomorphology See GEOL 33400

See GEOL 33400

-or-

GTECH 35000 - Field Topographic Surveying

Field use of surveying equipment. Notebook and computer data collection relating to horizontal and vertical location on the landscape, including the use of global positioning systems. Field record-keeping and preliminary analysis of results. Fee for transportation, accommodations and food allowance required.

prereq: GTEC 20100, perm instr.
90 hrs of field/lab work (1 day lab, 10 days field) 3 cr.

Offered summer intersession (check with dept. in April).

Prerequisites may apply. It is recommended that prospective geology minors consult with an undergraduate adviser from the Department of Geography.

Additional Information

If after taking a number of geology courses at Hunter, a student wishes to concentrate in geology, it is recommended that the student transfer to a unit of CUNY offering a geology major or take courses on permit at other CUNY units as elective credits.

Preparation for Graduate Work in Teaching Earth Science

For students planning to pursue an MA degree for teachers of earth science, grades 7-12, it is recommended that they complete the following undergraduate work: a baccalaureate degree with a grade point average of 2.8 or better in their science courses and in their overall undergraduate work; a major of at least 30 credits in arts and sciences.

At least 21 credits in

- geology,
- physical geography,
- earth science or environmental science, including geographic techniques;
- general education core in the liberal arts and sciences that includes
- 6 credits in English,
- 6 credits in mathematics/technology,
- 6 credits in social studies (to include at least one course in U.S. history or geography),
- 6 credits in the arts and
- 6 credits in a language other than English.

It is recommended, but not required, that the criteria above be satisfied using

- electives selected from GEOL, PGEOG and GTECH courses;
- a minor in geology;
- GER core requirement laboratory science chosen from
  - chemistry,
  - physics or
  - biology and
- GER core requirement non-laboratory science chosen from
  - astronomy,
  - oceanography,
  - statistics or mathematics.

For further information on the education requirements, students should see an adviser in the School of Education.

**Honors Work and Individual Study**

To graduate with departmental honors, a major in the geography or environmental studies program must be admitted to

**GEOG 49000 - Honors in Geography**

Upper Jr/Sr geography majors only. Individual research to be carried on under faculty guidance. Results must be embodied in an honors essay or equivalent.

*prereq:* perm dept.
1 sem 3 cr.

**PGEOG 49000 - Honors in Environmental Studies**

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.

*prereq:* perm dept.
- and have a 3.0 cumulative GPA and a 3.5 GPA in the major.

**The following courses**

also offer students the opportunity of undertaking individual research in geography, geology or environmental studies.

**GEOG 39100 - Individual Study in Geography**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq:* 2 sem of geography, perm dept.
1-3 cr

**GEOG 39200 - Individual Study in Geography**
Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**GEOG 39300 - Individual Study in Geography**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq:* 2 sem of geography, perm dept.

1-3 cr

**GEOL 39100 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq:* 2 sems of geology, perm dept.

1-3 cr.

**GEOL 39200 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq:* 2 sems of geology, perm dept.

1-3 cr.

**GEOL 39300 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq:* 2 sems of geology, perm dept.

1-3 cr.

**PGEOG 39100 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq:* GEOL 10500, GEOG 22600 or PGEOG 13000

1-3 cr.

**PGEOG 39200 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq:* GEOL 10500, GEOG 22600 or PGEOG 13000, perm instr.

1-3 cr.

**PGEOG 39300 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

*prereq:* GEOL 10500, GEOG 22600 or PGEOG 13000; perm instr.

1-3 cr.

**Fieldwork**
Several courses offer students an opportunity to study geography, geology and environmental situations in the field. They are usually offered during intersession periods, summer session or on weekends (consult Schedule of Classes). In addition to the regular field courses, special-topic field courses are offered periodically and fieldwork is conducted in connection with a number of the other courses. The department participates in the Study Abroad Program. It offers a field geography of selected world regions course (check with adviser for current location). An additional fee for transportation, lodging and food allowance is attached to these courses, depending on the focus of the course and its itinerary.

Graduate Study

Graduate-level courses may be taken for credit toward the bachelor’s degree by highly qualified seniors. Written permission must be obtained from the undergraduate and graduate advisers.

Intern Program

Internship provides opportunities for qualified majors and minors in both geography and environmental studies to work in positions of responsibility in professional institutions while earning from 1 to 4 academic credits. See a departmental adviser for details.

GEOG 49800 - Internship

Open to qualified geography majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See undergraduate adviser.

1-4 cr.

PGEOG 49800 - Internship in Environmental Studies

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.

1-4 cr.

Geography - BA

Students who expect to do graduate work in geography are advised to take courses in statistics and/or computer science. We suggest, but do not require, that those planning to continue to the doctoral level fulfill the GER Foreign Language Requirement with the language of the area of regional specialization.

Major in Geography (30 cr)

PGEOG 13000 - Weather and Climate

GER 2/E

Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant
environmental issues of our time.
5 hrs (3 lec, 2 lab)4 cr.
Offered in the Fall and Spring

GTECH 20100 - Introduction to Geographic Methods

Introduces the means by which geographers analyze the world to better understand geography and geographical processes. It offers an introduction to various methods for interpreting and analyzing spatial data including, cartography, GIS, remote sensing, spatial statistics and survey research.

prereq: GEOG 10100 or GEOG 15000 and MATH 10100 or equiv or perm instr.
6 hrs (2 lec, 4 lab)4 cr.
Offered fall and spring.

GEOG 22100 - Economic Geography

GER 2/B
An introduction to the sub-discipline of economic geography, which will include an exploration of the history of both economics and geography, and a rigorous global approach to the subjects. Students will come to understand the history of the development of economic thought, leading up to, and transformed, by today's crisis, as well as the particularly geographical nature of economic phenomena and processes, and the immense contributions geographers have made to the understanding of economics. Course focus is on the dominant form of global economic activity today, which is capitalistic, and the way this economic structure plays out through different geographies at different historical moments in time.
Not open to freshmen
prereq: GEOG 10100 or perm instr.
3 hrs3 cr.
Offered fall and spring
• One regional geography course (3 cr)

Additional Information

A minimum of 15 additional credits consisting of 0-6 credits selected from 200-level courses with a PGEOG, GTECH, GEOG or GEOL prefix; and a minimum of 9 credits selected from 300-level courses with a PGEOG, GTECH or GEOG prefix (except GEOG 39100, GEOG 39200 and GEOG 39300 and PGEOG 39100 PGEOG 39200 and PGEOG 39300 ) or LACS 33000.

It is recommended, but not required, that geography majors use the following to satisfy a portion of the General Education Requirement.

Note that GEOG 10100 is a prerequisite to GEOG 22100, but does not count toward the major.

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab)4.5 cr.
 Offered fall and spring.
GEOL 10200 - Plate Tectonics and the Earth’s Evolution

GER 2/E
The second course in geology offered to non-geology majors. It is designed to familiarize students with the main concepts used in deciphering and interpreting earth’s evolution from the spatial and temporal perspective. Topics to be covered include: geologic time; geological principles; earth materials as recorders of past geologic processes; depositional environments and sedimentary rock record; igneous and metamorphic geologic environments and their rock records; evolution of the solar system; plate tectonics and life on earth; origin of the universe; life on earth and the fossil record; Precambrian, Paleozoic, Mesozoic, and Cenozoic life, history and tectonics. Field trips may be required; transportation fee.
prereq: GEOL 10100
5 hrs (3 lec, 2 lab)4 cr.
Offered fall.

STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

Minors for Geography Majors

A minor course of study is no longer required at Hunter College. However, geography majors can elect to minor in any field of their choice. It is recommended, but not required, that the chosen field be related to the student’s principal interest(s) in geography, and that the student consult with the Geography Undergraduate Adviser prior to selection of a minor course of study.

Minor in Geography
A minor in geography consists of a minimum of 12 credits chosen from undergraduate courses that have a GEOG, PGEOG or GTECH prefix. Prerequisites may apply. Thoughtful selection of courses may result in a minor program of study that will enhance the student’s major. It is recommended that prospective geography minors consult with the geography undergraduate adviser concerning course selection.

Options in Social Studies Education within the Geography Major

The Department of Geography and the School of Education provide opportunities for students to prepare for a career in teaching social studies in grades 1-6 (Childhood Education) or in grades 7-12 (Adolescent Education).

1. Option in Social Studies within the Geography Major for Childhood Education Teachers
2. Option in Social Studies within the Geography Major for Adolescent Education Teachers

Honors Work and Individual Study

To graduate with departmental honors, a major in the geography or environmental studies program must be admitted to the following and have a 3.0 cumulative GPA and a 3.5 GPA in the major.

GEOG 49000 - Honors in Geography

Upper Jr/Sr geography majors only. Individual research to be carried on under faculty guidance. Results must be embodied in an honors essay or equivalent.

prereq: perm dept.
1 sem 3 cr.

PGEOG 49000 - Honors in Environmental Studies

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.

prereq: perm dept.

The following courses

Also offer students the opportunity of undertaking individual research in geography, geology or environmental studies.

GEOG 39100 - Individual Study in Geography

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

prereq: 2 sem of geography, perm dept.
1-3 cr

GEOG 39200 - Individual Study in Geography

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

prereq: 2 sem of geography, perm dept.
1-3 cr

GEOG 39300 - Individual Study in Geography
Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** 2 sems of geography, perm dept.
1-3 cr

**GEOL 39100 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** 2 sems of geology, perm dept.
1-3 cr

**GEOL 39200 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** 2 sems of geology, perm dept.
1-3 cr

**GEOL 39300 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** 2 sems of geology, perm dept.
1-3 cr

**PGEOG 39100 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** GEOL 10500, GEOG 22600 or PGEOG 13000
1-3 cr

**PGEOG 39200 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** GEOL 10500, GEOG 22600 or PGEOG 13000, perm instr.
1-3 cr

**PGEOG 39300 - Individual Study in Environmental Studies**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.

**prereq:** GEOL 10500, GEOG 22600 or PGEOG 13000; perm instr.
1-3 cr

**Fieldwork**

Several courses offer students an opportunity to study geography, geology and environmental situations in the field. They are usually offered during intersession periods, summer session or on weekends (consult Schedule of Classes). In addition to the regular field courses, special-topic field courses are offered periodically and fieldwork is conducted in connection with a number of the other courses. The department participates in the Education Abroad Program. It offers a field geography of selected world regions course (check with adviser for current location). An additional fee for transportation, lodging and food allowance is attached to these courses, depending on the focus of the course and its itinerary.
Graduate Study

Graduate-level courses may be taken for credit toward the bachelor’s degree by highly qualified seniors. Written permission must be obtained from the undergraduate and graduate advisers.

Intern Program

Internship provides opportunities for qualified majors and minors in both geography and environmental studies to work in positions of responsibility in professional institutions while earning from 1 to 4 academic credits. See a departmental adviser for details.

**GEOG 49800 - Internship**

Open to qualified geography majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See undergraduate adviser.

1-4 cr.

**PGEOG 49800 - Internship in Environmental Studies**

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.

1-4 cr.

Option in Social Studies within the Geography Major for Adolescent Education Teachers

Return to: Geography - BA

In cooperation with the School of Education, the Department of Geography provides opportunities for students to prepare for a career in teaching social studies in grades 7 – 12. In addition to mandatory course work provided by the School of Education, interested students must complete the course of study outlined below. At least 18 credits of these courses or equivalents must be satisfactorily completed (grade of C or better) before the student enrolls in the social studies methods courses. Refer to the catalog section specific to programs in the School of Education.

Transfer students who enter Hunter College with more than 90 credits or who will exceed 90 credits in completing the prerequisites for this option in the Geography major, cannot apply for the Adolescent Education program of the School of Education. They may still complete this option within the Geography major but must complete a Master of Arts degree in Adolescent Education before certification as a New York State teacher. While New York State recognizes the regular major in Geography for certification in Childhood Education, students interested in becoming certified as Social Studies-Adolescent Education teachers in New York State must complete this interdisciplinary course of study.

Prerequisites for the Major 9 credits

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**
GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.
*Courses at the 300-level and above not offered to freshmen.*
*prereq or coreq: ENGL 12000*
3 hrs3 cr.

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.
*Courses at the 300-level and above not offered to freshmen.*
*prereq or coreq: ENGL 12000*
3 hrs3 cr.

**GEOG 15000 - World Regional Geography**

GER 2/B PD/A or D
A survey of the world’s major regions. Geographic concepts and principles are used to study the physical, economic, social and political conditions and problems in the culturally diverse world. Spatial expression of culture; specialized behavior patterns; adaptations and way of life in distinct environments. Regional interdependence; implications for development.
*prereq: ENGL 12000*
3 hrs3 cr.
*Offered fall and spring*

**Requirements for the Major 36 credits**

**ECO 10000 - Introduction to Economics**

GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics.
*Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.*
3 hrs3 cr.

**GEOG 24100 - Population Geography**

GER 3/B PD/B or C
Course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.
*prereq: GEOG 10100 or GEOG 15000 or perm instr.*
3 hrs3 cr.

**GEOG 25100 - Geography of the United States and Canada**

GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the
ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key
environmental issues that characterize the study area and its constituent parts; major trends that are affecting the
geography of the two countries; and the locations of principal features. The course begins with general overview
material, and then examines the various sub-regions of the study area in much greater detail, focusing on key
characteristics and environmental challenges.

*prereq: GEOG 10100 or GEOG 15000 or perm instr.*

3 hrs 3 cr.

**HIST 11100 - World History to 1500**

GER 2/B PD/A
The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional
connections; the spread of civilization across the globe.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 11200 - World History from 1500 to the Present**

GER 2/B
The transition from relatively isolated individual cultures to an interrelated global network; the impact of the
democratic and scientific revolutions; the development of nationalism and internationalism among the nations of the
world.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

1. Required courses (18 cr.)

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its
enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency
and courts. Not open to students who have taken POLSC 11100.
*prereq or coreq: ENGL 12000 or its equivalent*
3 hrs 3 cr.

**ECO 10000 - Introduction to Economics**

GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior
courses in economics.
*Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.*
3 hrs 3 cr.

**GEOG 24100 - Population Geography**

GER 3/B PD/B or C
Course will explore several critical issues such as the relationship between population growth and development;
immigration and internal migration; how age, race and gender affect other demographic processes; and how and why
these processes vary around the world. Additionally, students will examine the “mechanics” of computing population
growth and change as well as different ways to visually display measures of population. Offered fall and spring.
prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs 3 cr.

GEOG 25100 - Geography of the United States and Canada

GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges.

prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs 3 cr.

HIST 11100 - World History to 1500

GER 2/B PD/A
The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional connections; the spread of civilization across the globe.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 11200 - World History from 1500 to the Present

GER 2/B
The transition from relatively isolated individual cultures to an interrelated global network; the impact of the democratic and scientific revolutions; the development of nationalism and internationalism among the nations of the world.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

2. One 3-credit course in cultural anthropology (ANTHC) or Sociology (3 cr)

- One 3-credit course in cultural anthropology (ANTHC) or Sociology (SOC) selected with approval of the Geography Undergraduate Adviser.

3. Elective Courses in History (6 credits)

- Any two 3-credit 300-level courses in history with approval of the Geography Undergraduate Adviser.

4. Elective Courses in Geography (9 credits, at least 6 credits at the 300-level)

GEOG 27000 - Regional Geography of Mexico, Central America and the Caribbean
GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Mexico, Central America and West Indies.
3 hrs 3 cr.

GEOG 27100 - Regional Geography of South America

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of South America.
3 hrs 3 cr.

GEOG 27500 - Regional Geography of Sub-Saharan Africa

GER 3/B PD/A
Analysis of the relationship of natural environment to economic, social and political life of Africa south of Sahara.
3 hrs 3 cr.

GEOG 27700 - Regional Geography of East Asia

GER 3/B PD/A
Analysis of East Asia's potentials in terms of natural resources, population, industry and agriculture, with emphasis on China.
3 hrs 3 cr.

GEOG 27800 - Regional Geography of Russia and Central Asia

GER 3/B PD/A or D
Analysis of the relationship of the natural environment to economic, social and political life of Russia, the former Soviet republics of Central Asia and Mongolia.
3 hrs 3 cr.

GEOG 32800 - Urban Environmental Problems: Evaluations and Solutions

GER 3/B
Open to Jr/Sr only. The special environmental problems of urban and metropolitan areas will be studied, including water supplies, waste management, environmental impact and waterfront use. Natural physical processes, methodologies and techniques will be reviewed and applied to decision making. Transportation fee for field work may be required.
prereq: GEOG 101 or GEOG 150 or URBS 101 and Jr/Sr standing
3 hrs 3 cr.

GEOG 34100 - Urban Geography

GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.
prereq: GEOG 101 or GEOG 150 or perm instr, Jr/Sr only
3 hrs 3 cr.

GEOG 34200 - Geography of International Migration and Ethnicity
Quantitative and qualitative examination of historic and contemporary international migration patterns. Spatial demographic impacts of immigration policy in the United States with a focus on major urban centers. Comparative analysis of ethnic and racial minorities in the United States.

prereq: GEOG 24100 or perm instr.
3 hrs3 cr.

GEOG 34700 - Cultural Geography

This course provides an overview of the field of cultural geography. It will cover the basics as well as recent developments in social and cultural geographic theory. The main focus is to understand relationships between cultures and environments through geographical analyses of processes, landscapes, and identities.

Open to Jr/Sr only.
prereq: GEOG 10100 or GEOG 15000 or perm instr,
3 hrs3 cr.

GEOG 35700 - Geography of New York City and Vicinity

Informed immersion in NYC is the main objective of this course. Students will learn by exploration and observation more than by media. The city is the laboratory to complement readings, lectures and discussion. Students will emerge from this class with an enhanced appreciation of the entire city. Study assignments include keeping a journal of walking assignments as well as readings. Field work will focus on the five boroughs of New York City. (Students with difficulties in walking or using public transportation or who have phobias regarding unfamiliar neighborhoods should consider this before registering.)
Open to Jr/Sr only.
prereq: GEOG 10100
3 hrs3 cr.
Offered fall.

GEOG 38000 - Seminar in Geographic Concepts and Methodology

An investigation of the evolution, conceptual framework, and methodological approaches of modern geography. Course goals are: increase student competence and marketability as a teacher; review content of geography with teaching in mind; share strategies, ideas activities (as befits a seminar course); familiarization with national and state standards; develop and acquire appropriate classroom-ready materials; acquire a classroom-ready photo collection; explore links to other subjects; and develop appropriate bibliographies of children’s literature and websites.

prereq: perm instr.
3 hrs3 cr.

Option in Social Studies within the Geography Major for Childhood Education Teachers

In cooperation with the School of Education, the Department of Geography provides opportunities for students to prepare for a career in teaching in grades 1-6. Students may choose to complete the Geography - BA , in addition to successful completion of the QUEST program. Interested students may also choose to complete the course of study
outlined below. The option in Social Studies for Childhood Education is available only to students who are accepted into the QUEST program.

Students not accepted to the QUEST program, or students not eligible to apply to the QUEST program, should complete the traditional Geography major outlined above. They must complete a Master of Arts degree in Childhood Education before being certified as a New York State teacher.

Program Prerequisites (9 credits)

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**

GER 1/C or 2/B  
American political, social and cultural history from the time of the European settlements to the Civil War.  
*Courses at the 300-level and above not offered to freshmen.*  
prereq or coreq: ENGL 12000  
3 hrs 3 cr.

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B  
American political, social and cultural history from the Civil War to the present.  
*Courses at the 300-level and above not offered to freshmen.*  
prereq or coreq: ENGL 12000  
3 hrs 3 cr.

**GEOG 15000 - World Regional Geography**

GER 2/B PD/A or D  
A survey of the world’s major regions. Geographic concepts and principles are used to study the physical, economic, social and political conditions and problems in the culturally diverse world. Spatial expression of culture; specialized behavior patterns; adaptations and way of life in distinct environments. Regional interdependence; implications for development.  
prereq: ENGL 12000  
3 hrs 3 cr.  
*Offered fall and spring*

Requirements for the Major (30 credits)

Required Courses (18 credits)

**HIST 11100 - World History to 1500**

GER 2/B PD/A  
The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional connections; the spread of civilization across the globe.  
*Courses at the 300-level and above not offered to freshmen.*  
3 hrs 3 cr.

**HIST 11200 - World History from 1500 to the Present**
GER 2/B
The transition from relatively isolated individual cultures to an interrelated global network; the impact of the democratic and scientific revolutions; the development of nationalism and internationalism among the nations of the world. 
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**GEOG 24100 - Population Geography**

GER 3/B PD/B or C
Course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.
*prereq: GEOG 10100 or GEOG 15000 or perm instr.*
3 hrs 3 cr.

**GEOG 25100 - Geography of the United States and Canada**

GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges
*prereq: GEOG 10100 or GEOG 15000 or perm instr.*
3 hrs 3 cr.

**GEOG 26000 - Geography of New York State**

GER 2/B
The goals of the course are to learn about the geography of New York State – its physical environment, the distribution of its people and their activities, and the interrelationships between the people and the environment in NYS. and to apply geographic principles and reasoning to a real world situation where NYS is used as an example of regional analysis; and to explore, navigate through, and use the geographic information available on the Internet, especially the information provided by the State of New York. For those in the education sequence an addition goal is to gather and use information about NYS within the guidelines of the National Geography Standards for presentation at a grade-specific level.
*prereq: GEOG 10100 or GEOG 15000 or perm instr.*
3 hrs 3 cr.

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.
*prereq or coreq: ENGL 12000 or its equivalent*
3 hrs 3 cr.
2. Elective Courses in Geography (6 credits)

Choose any two of the following:

**GEOG 34100 - Urban Geography**

GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.

*prereq: GEOG 101 or GEOG 150 or perm instr, Jr/Sr only*  
3 hrs 3 cr.

**GEOG 34200 - Geography of International Migration and Ethnicity**

GER 3/B PD/B
Quantitative and qualitative examination of historic and contemporary international migration patterns. Spatial demographic impacts of immigration policy in the United States with a focus on major urban centers. Comparative analysis of ethnic and racial minorities in the United States.

*prereq: GEOG 24100 or perm instr.*  
3 hrs 3 cr.

**GEOG 34700 - Cultural Geography**

GER 3/B
This course provides an overview of the field of cultural geography. It will cover the basics as well as recent developments in social and cultural geographic theory. The main focus is to understand relationships between cultures and environments through geographical analyses of processes, landscapes, and identities.

*Open to Jr/Sr only.*  
*prereq: GEOG 10100 or GEOG 15000 or perm instr.*  
3 hrs 3 cr.

**GEOG 35700 - Geography of New York City and Vicinity**

GER 3/B
Informed immersion in NYC is the main objective of this course. Students will learn by exploration and observation more than by media. The city is the laboratory to complement readings, lectures and discussion. Students will emerge from this class with an enhanced appreciation of the entire city. Study assignments include keeping a journal of walking assignments as well as readings. Field work will focus on the five boroughs of New York City. (Students with difficulties in walking or using public transportation or who have phobias regarding unfamiliar neighborhoods should consider this before registering.)

*Open to Jr/Sr only.*  
*prereq: GEOG 10100*  
3 hrs 3 cr.  
*Offered fall.*

**GEOG 38000 - Seminar in Geographic Concepts and Methodology**

GER 3/B
An investigation of the evolution, conceptual framework, and methodological approaches of modern geography. Course goals are: increase student competence and marketability as a teacher; review content of geography with
teaching in mind; share strategies, ideas activities (as befits a seminar course); familiarization with national and state standards; develop and acquire appropriate classroom-ready materials; acquire a classroom-ready photo collection; explore links to other subjects; and develop appropriate bibliographies of children’s literature and websites.

prereq: perm instr.
3 hrs 3 cr.

3. Elective Courses in History (6 credits)

Any two 3-credit 300-level courses in history with approval of the Geography Undergraduate Adviser.

Undergraduate Major/Graduate Major

Five-Year BA/MA Program in Environmental Studies and Adolescent Education: Earth Science (Grade 7-12)

Students who major in Environmental Studies may also want to complete a sequence of courses that will enable them to pursue a career teaching earth science in grades 7-12. The BA/MA program in Environmental Studies and Adolescent Education: Earth Science is designed to prepare prospective teachers to serve as high-quality educator for adolescents in urban schools.

This is an accelerated program leading to a BA in Environmental Studies and an MA in Adolescent Education: Earth Science. The program is designed for highly qualified Environmental Studies majors who, during their sophomore year, decide to pursue a career in secondary school teaching. This program will ensure that these students receive all of their pedagogical and disciplinary training before entering the classroom to teach. Students who complete the 134 credit program will have satisfied the coursework requirements for teacher certification. The 18 elective credits required for the Environmental Studies degree must emphasize atmospheric systems, earth systems, water systems, or geological systems.

For students in this BA/MA program, the 18 credit elective portion of the Environmental Earth Science Concentration major must include GEOL 102, PGEOG 130, ASTRO 100/107 or, after spring 2011, ASTRO 101, and a minimum of 9 undergraduate credits selection from 200- and 300-level GEOL, PGEOG, and GTECH courses (with the exception of GTECH 201), and the independent study, honors, and internship courses in each of these series.

Students interested in this program should speak to adviser in the Department of Geography during their sophomore year to review the curriculum path for the five-year program. And students should also speak to an adviser in the School of Education as soon as possible.

Admission to the School of Education is not automatic with admission to Hunter College. There is a separate admission process that involves a paper application, a writing sample, and an interview.

Required Courses

ASTRO 10100 - Basic Concepts of Astronomy with Laboratory Exercises

GER 2/E with lab
An introductory, one-semester astronomy course designed for non-science majors. Topics include: basic observational
features of the night sky, and their explanations; Kepler’s laws of planetary motion; Newton's laws of motion and gravitation. Properties of light, and how it reveals the nature of its source. Origin, properties, and evolution of our solar system. The origin and evolution of stars, including giants, dwarfs, supernovae, neutron stars, and black holes. Structure of The Milky Way and other type of galaxies. Cosmology, Hubble's Law and the expanding universe, from the Big Bang to the present; future scenarios.

The lab consists of traditional hardware experiments and virtual online experiments. Students taking this course will be required to submit online and hard-copy laboratory reports.

5 hrs 4 cr.

-or-

ASTRO 10700 - Laboratory Exercises in Astronomy

GER 2/E
Classroom and online experimental laboratory exercises in astronomy to observe the major features of the night sky, demonstrate the physical basis of astronomical instruments, and experiment with astronomical phenomena. Only offered to students who have previously taken ASTRO 100 which is no longer offered [ASTRO 100 + ASTRO 107 are replaced by ASTRO 10100].

prereq or coreq: ASTRO 10000
2 hrs 1 cr.

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. Primarily for pre-med, medical laboratory sciences and science majors.

prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

and

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium. Primarily for premed, medical laboratory sciences and science majors.

prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory. Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.

prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

-or-
BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
pre: MATH 10100 or equivalent
4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
pre: BIOL 10000 or perm instr, MATH 10100 or equiv.
4.5 cr.
spring only

GEOG 22600 - Environmental Conservation: Resource Management

GER 2/B
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.

3 hrs3 cr.

GEOL 18000 - Introduction to Oceanography

GER 2/E
Dynamic processes are responsible for the ocean’s influence on our environment and life cycles on earth. The course introduces students to the broad field of oceanography and specifically identifies areas which are of concern on both local and global scales. The origins of the oceans and life as it exists in today’s ocean will be covered. Lectures will include the sub-disciplines of biological, chemical, physical, and geological oceanography and concepts that relate to continental margins, ocean basins, sediments and seafloor spreading. Emphasis will be given to the interaction between the circulation of the atmosphere and ocean surface currents, deep ocean circulation, waves and tides. The coastal zone as a fragile environment will be highlighted in connection with dynamic physical and biological processes. No lab component.
3 hrs3 cr.
Offered fall and spring.

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics,
earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.

GEOL 10200 - Plate Tectonics and the Earth’s Evolution

GER 2/E

The second course in geology offered to non-geology majors. It is designed to familiarize students with the main concepts used in deciphering and interpreting earth’s evolution from the spatial and temporal perspective. Topics to be covered include: geologic time; geological principles; earth materials as recorders of past geologic processes; depositional environments and sedimentary rock record; igneous and metamorphic geologic environments and their rock records; evolution of the solar system; plate tectonics and life on earth; origin of the universe; life on earth and the fossil record; Precambrian, Paleozoic, Mesozoic, and Cenozoic life, history and tectonics. Field trips may be required; transportation fee.

prereq: GEOL 10100

5 hrs (3 lec, 2 lab)4 cr.

Offered fall.

GEOL 20500 - Environmental Geology

GER 3/B

As human populations continue to grow, resource depletion and hazards will become more severe. Many decisions concerning the use of resources, such as water, soil, minerals, energy and space to live, will determine our standard of living and the quality of the environment. Scientific knowledge, combined with human values, will dictate these decisions. This course examines not only the way geological processes operate and impact society, but also how the earth system responds to human activity. The difficult problems associated with extracting enormous quantities of resources needed to sustain modern societies will be discussed. The course will also address ways humans can minimize the risks associated with hazardous earth processes. Quantitative analysis of selected topics will be introduced to provide a deeper understanding of the complexity of today’s environmental issues.

prereq: GEOL 10100

3 hrs3 cr.

GEOL 28000 - Marine Geology

GER 3/B

Marine Geology is the study of the seafloor. This course attempts to answer the questions “what?”; “where?”; “when?” and more importantly “how?” in order to better understand the processes that shape the ocean basins and determine the structure and composition of the oceanic crust. The main patterns of sediment distribution in the ocean basins and how sediments preserve a record of past climatic and sea-level changes will be explored. In addition, the role of fluids in ocean sediments and the oceanic crust will be examined. The seafloor sediments will be studied with a focus on their role in marine biogeochemical cycles.

prereq: GEOL 10200 or perm instr.

3 hrs3 cr.

Fall

MATH 12500 - Precalculus

GER 1/B

Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.
**PGEOG 13000 - Weather and Climate**

GER 2/E  
Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.  
*5 hrs (3 lec, 2 lab)4 cr.*  
*Offered in the Fall and Spring*

**PGEOG 25000 - Earth System Science I**

GER 3/B  
In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.  
*prereq: at least one 100-level science course or perm instr.*  
*prereq or coreq: GEOL 10100 or PGEOG 13000 or GEOG 22600 or perm instr.*  
*4 hrs3.5 cr.*

**PGEOG 25100 - Earth System Science II**

GER 3/B  
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.  
*prereq: PGEO 25000 or perm instr.*  
*4 hrs3.5 cr.*

**PGEOG 49000 - Honors in Environmental Studies**

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.  
*prereq: perm dept.*  
*-or-*

**PGEOG 49800 - Internship in Environmental Studies**

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.  
*1-4 cr.*

Major Electives 6-8 credits  
Graduate Courses (see graduate catalog)

PGEOG 630 Science and Society 3
Geography

GEOG 10100 - People and Their Environment

GER 2/B  
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. Contemporary economic, political and social patterns and problems are discussed.

3 hrs 3 cr.  
offered fall and spring.

GEOG 15000 - World Regional Geography

GER 2/B PD/A or D  
A survey of the world’s major regions. Geographic concepts and principles are used to study the physical, economic, social and political conditions and problems in the culturally diverse world. Spatial expression of culture; specialized behavior patterns; adaptations and way of life in distinct environments. Regional interdependence; implications for development.  
prereq: ENGL 12000  
3 hrs 3 cr.  
Offered fall and spring

GEOG 22100 - Economic Geography

GER 2/B  
An introduction to the sub-discipline of economic geography, which will include an exploration of the history of both
economics and geography, and a rigorous global approach to the subjects. Students will come to understand the history of the development of economic thought, leading up to, and transformed, by today’s crisis, as well as the particularly geographical nature of economic phenomena and processes, and the immense contributions geographers have made to the understanding of economics. Course focus is on the dominant form of global economic activity today, which is capitalistic, and the way this economic structure plays out through different geographies at different historical moments in time.

Not open to freshmen
prereq: GEOG 10100 or perm instr.
3 hrs3 cr.
Offered fall and spring

GEOG 22600 - Environmental Conservation: Resource Management

GER 2/B
Introduces students to environmental studies with a focus on policy and management of resources. The course will examine issues pertaining to sustaining our resource base (biodiversity, food, soil, water and energy), a review of factors influencing sustainable use, and how humans have impacted these key elements of the natural system.

3 hrs3 cr.

GEOG 22700 - Environmental Conservation: Urban Problems

GER 3/B
Covers topics related to environmental problems and their connection to urban areas. The course will begin with a survey of urban systems (transport, water, food, waste and energy) followed by investigating how these systems contribute to environmental problems and their solutions. This investigation will also include a discussion about the connections between rural and urban areas and urban planning that attempts to minimize environmental hazards.

3 hrs3 cr.

GEOG 24100 - Population Geography

GER 3/B PD/B or C
Course will explore several critical issues such as the relationship between population growth and development; immigration and internal migration; how age, race and gender affect other demographic processes; and how and why these processes vary around the world. Additionally, students will examine the “mechanics” of computing population growth and change as well as different ways to visually display measures of population. Offered fall and spring.
prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs3 cr.

GEOG 24200 - Medical Geography

GER 3/B
This subfield integrates human and physical geography. Two major themes are disease ecology (relationship of disease to natural and human environment) and spatial/social aspects of provision of medical care in society. The course will examine the concepts and methodologies that form the basis of the discipline.
GER 3B
prereq or coreq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs3 credits

GEOG 25100 - Geography of the United States and Canada
GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges

 prerequisites: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs 3 cr.

GEOG 26000 - Geography of New York State

GER 2/B
The goals of the course are to learn about the geography of New York State – its physical environment, the distribution of its people and their activities, and the interrelationships between the people and the environment in NYS, and to apply geographic principles and reasoning to a real world situation where NYS is used as an example of regional analysis; and to explore, navigate through, and use the geographic information available on the Internet, especially the information provided by the State of New York. For those in the education sequence an addition goal is to gather and use information about NYS within the guidelines of the National Geography Standards for presentation at a grade-specific level.

 prerequisites: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs 3 cr.

GEOG 27000 - Regional Geography of Mexico, Central America and the Caribbean

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Mexico, Central America and West Indies.
3 hrs 3 cr.

GEOG 27100 - Regional Geography of South America

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of South America.
3 hrs 3 cr.

GEOG 27200 - Regional Geography of Europe

GER 3/B PD/D
Analysis of relationship of natural environment to economic, social and political life of modern Europe.
3 hrs 3 credits

GEOG 27400 - Regional Geography of the Middle East and North Africa

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Middle East and North Africa.
3 hrs 3 cr.

GEOG 27500 - Regional Geography of Sub-Saharan Africa
GER 3/B PD/A  
Analysis of the relationship of natural environment to economic, social and political life of Africa south of Sahara.  
3 hrs 3 cr.

GEOG 27700 - Regional Geography of East Asia  
GER 3/B PD/A  
Analysis of East Asia's potentials in terms of natural resources, population, industry and agriculture, with emphasis on China.  
3 hrs 3 cr.

GEOG 27800 - Regional Geography of Russia and Central Asia  
GER 3/B PD/A or D  
Analysis of the relationship of the natural environment to economic, social and political life of Russia, the former Soviet republics of Central Asia and Mongolia.  
3 hrs 3 cr.

GEOG 31100 - Introduction to Fluid Mechanics  
GER 3/B  
This course covers the basic principles of fluid mechanics include statics, forces on plane and curve surfaces, kinematics of fluid motion, integral and differential representation of conservation of mass, linear momentum, the first Law of Thermodynamics, Bernoulli’s equation, dimensional analysis, and elementary viscous flow. Frictional losses in laminar flow and simple pipe flow analysis are covered. Understanding of the physical phenomena is stressed and vector notation is introduced and used whenever suitable.  
cross-listed PHYS 31100  
prereq: PHYS 12100 or PHYS 12000 and MATH 15500  
3 hrs 3 cr.

GEOG 32100 - Transportation Geography  
GER 3/B  
A geographic study and modeling of transportation routes and their influences on the location of economic activity.  
prereq: GEOG 221 or perm instr.  
3 hrs 3 cr.  
not offered 2011

GEOG 32800 - Urban Environmental Problems: Evaluations and Solutions  
GER 3/B  
Open to Jr/Sr only. The special environmental problems of urban and metropolitan areas will be studied, including water supplies, waste management, environmental impact and waterfront use. Natural physical processes, methodologies and techniques will be reviewed and applied to decision making. Transportation fee for field work may be required.  
prereq: GEOG 101 or GEOG 150 or URBS 101 and Jr/Sr standing  
3 hrs 3 cr.

GEOG 33400 - Political Geography
GER 3/B
Political geography concerns the nature and consequences of human efforts to divide and control Earth. Major topics to be covered by this course include the origin and evolution of countries and their constituent political units; the defining and drawing of political boundaries; territorial conflicts and disputes; the impact of boundaries on personal and cultural identity; centripetal and centrifugal forces that encourage the success or failure of political units; jurisprudence, crime and punishment; electoral geography; war, piracy and terrorism; ownership of ocean floors and outer space; the environmental impacts of political power (zoning, incorporation, height restrictions, land tenure); and symbols of power in the landscape. Lectures and assignments will stress the relevancy of political geography to issues that affect our everyday life.

*prereq: GEOG 10100 or GEOG 15000 or perm instr
3 hrs 3 cr.*

GEOG 33500 - International Pollution Issues

GER 3/B
A study of international trans-boundary pollution and the science, source terms, transport pathways and international impacts of contamination events. The regional focus will change yearly pending current global environmental events.

*prereq: GEOG 101 or GEOL 101 or PGEO 130 or perm instr.
3 hrs 3 cr.*

GEOG 34100 - Urban Geography

GER 3/B
Open to Jt/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.

*prereq: GEOG 101 or GEOG 150 or perm instr, Jt/Sr only
3 hrs 3 cr.*

GEOG 34200 - Geography of International Migration and Ethnicity

GER 3/B PD/B
Quantitative and qualitative examination of historic and contemporary international migration patterns. Spatial demographic impacts of immigration policy in the United States with a focus on major urban centers. Comparative analysis of ethnic and racial minorities in the United States.

*prereq: GEOG 24100 or perm instr.
3 hrs 3 cr.*

GEOG 34300 - Urban Geographic Theory

GER 3/B
Spatial analysis of contemporary and theoretical issues concerning the economic growth, transportation, land use, social segregation and political fragmentation in metropolitan areas.

*prereq: GEOG 34100 or equiv.
3 hrs 3 cr.*

GEOG 34700 - Cultural Geography

GER 3/B
This course provides an overview of the field of cultural geography. It will cover the basics as well as recent developments in social and cultural geographic theory. The main focus is to understand relationships between cultures and environments through geographical analyses of processes, landscapes, and identities.
Open to Jr/Sr only.
prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs3 cr.

GEOG 35700 - Geography of New York City and Vicinity

GER 3/B
Informed immersion in NYC is the main objective of this course. Students will learn by exploration and observation more than by media. The city is the laboratory to complement readings, lectures and discussion. Students will emerge from this class with an enhanced appreciation of the entire city. Study assignments include keeping a journal of walking assignments as well as readings. Field work will focus on the five boroughs of New York City. (Students with difficulties in walking or using public transportation or who have phobias regarding unfamiliar neighborhoods should consider this before registering.)
Open to Jr/Sr only.
prereq: GEOG 10100
3 hrs3 cr.
Offered fall.

GEOG 37000 - Geography of Sustainable Development in Developing Countries

GER 3/B PD/A
Reviews the theories and approaches of international development. Themes include development theory, availability and distribution of resources, population growth, food production, water supply and forestry. The course will also highlight the development and environmental problems that challenge the achievement of sustainable development such as population growth, food and world economic crises, increasing number of the poor and climate change. The course will provide students with theory, methods, problems and analysis of factors that influence sustainable development in developing countries.
prereq: one of the following: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.
3 hrs3 cr.

GEOG 37100 - Rural Water Supply in Developing Regions

GER 3/B PD/A
Covers concepts, methods and analysis of rural water utilization and related problems and challenges in developing countries. It will discuss water management and quality and their relationship with sanitation and hygiene education. The course will also discuss methods of providing drinking water in a sustainable manner.
prereq: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.
3 hrs3 cr.

GEOG 38000 - Seminar in Geographic Concepts and Methodology

GER 3/B
An investigation of the evolution, conceptual framework, and methodological approaches of modern geography. Course goals are: increase student competence and marketability as a teacher; review content of geography with teaching in mind; share strategies, ideas activities (as befits a seminar course); familiarization with national and state standards; develop and acquire appropriate classroom-ready materials; acquire a classroom-ready photo collection; explore links to other subjects; and develop appropriate bibliographies of children’s literature and websites.
prereq: perm instr.
3 hrs3 cr.
GEOG 38100 - Special Topics in Geography

GER 3/B
Open to Jr/Sr only. Topics to be announced.
prereq: GEOG 101, 200-level course of which special topic is logical outgrowth, perm instr.
1-4 hrs (lec or lec/lab)1-3 cr

GEOG 38200 - Special Topics in Geography

GER 3/B
Open to Jr/Sr only. Topics to be announced.
prereq: GEOG 101, 200-level course of which special topic is logical outgrowth, perm instr.
1-4 hrs (lec or lec/lab)1-3 cr

GEOG 38300 - Special Topics in Geography

GER 3/B
Open to Jr/Sr only. Topics to be announced.
prereq: GEOG 101, 200-level course of which special topic is logical outgrowth, perm instr.
1-4 hrs (lec or lec/lab)1-3 cr

GEOG 39100 - Individual Study in Geography

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.
prereq: 2 sem of geography, perm dept.
1-3 cr

GEOG 39200 - Individual Study in Geography

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.
prereq: 2 sem of geography, perm dept.
1-3 cr

GEOG 39300 - Individual Study in Geography

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.
prereq: 2 sem of geography, perm dept.
1-3 cr

GEOG 49000 - Honors in Geography

Upper Jr/Sr geography majors only. Individual research to be carried on under faculty guidance. Results must be embodied in an honors essay or equivalent.
prereq: perm dept.
1 sem3 cr.

GEOG 49800 - Internship
Open to qualified geography majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See undergraduate adviser.

1-4 cr.

Geographic Techniques and Methods

GTECH 20100 - Introduction to Geographic Methods

Introduces the means by which geographers analyze the world to better understand geography and geographical processes. It offers an introduction to various methods for interpreting and analyzing spatial data including, cartography, GIS, remote sensing, spatial statistics and survey research.

prereq: GEOG 10100 or GEOG 15000 and MATH 10100 or equiv or perm instr.
6 hrs (2 lec, 4 lab)4 cr.
Offered fall and spring.

GTECH 30100 - Quantitative Methods in Geography

Open to Jr/Sr only. Process of spatial analysis. Application of scientific methods to geographic research; sampling; distribution measurement; statistical analysis of spatial data.
prereq: GTEC 201, STAT 113 or 213 or perm instr.
3 hrs3 cr.

GTECH 32000 - Earth from Above

Introduces remote sensing image interpretation and a basic understanding of the use of remote sensing technology in the study of environmental issues and the monitoring of Earth systems. The first half of the course focuses on aerial photography, photogrammetry and image interpretation. The second half focuses on the use of remote sensing in Earth system sciences. Extensive lab exercises include practical assignments and computer-based analysis of remote sensing images. Students will learn basic image interpretation and some web-based image processing skills through various lab exercises.
prereq: GTEC 20100
6 hrs (2 lec, 4 lab)4 cr.

GTECH 32100 - Remote Sensing of the Environment

Focuses on use of satellite images to study the environment and the physical processes involved in remote sensing to better understand the nature and properties of electromagnetic radiation and how it interacts with the atmosphere and the Earth’s surface and a wide variety of satellite sensors. These sensors make measurements in the optical, thermal and microwave electromagnetic spectrums and are used to study issues related to global environmental science and natural resource management. The course includes heavy lab components which will include practical assignments, field exercises, computer-based analysis of remotely-sensed images and the use of image processing software (ENVI) to analyze satellite images. Field measurements will be made in Central Park to facilitate better understanding satellite measurements.
prereq: GTEC 32000 or perm instr.
4 hrs (2 lec, 2 lab) 3 cr.

**GTECH 32200 - Digital Image Processing**

Course emphasizes the acquisition and nature of digital image data and the tools required to process and analyze remotely sensed data. Topics include: image preprocessing, spectral mixture analysis, image transformation, image classification and accuracy assessment, change detection, information extraction from LIDAR and radar. At least one application for each image processing method will be introduced. This is an advanced remote sensing course. The course includes lab exercises through which students will obtain hands-on experience in digital image processing. The labs include practical assignments and computer-based analysis of remotely-sensed images, and also field work to evaluate the results. The lab will use ENVI, an image processing software, together with the comprehensive data analysis tool IDL.

prereq: GTEC 32100, and multivariate statistics, elementary linear algebra or perm instr.
4 hrs (2 lec, 2 lab) 3 cr.

**GTECH 35000 - Field Topographic Surveying**

Field use of surveying equipment. Notebook and computer data collection relating to horizontal and vertical location on the landscape, including the use of global positioning systems. Field record-keeping and preliminary analysis of results.
Fee for transportation, accommodations and food allowance required.

prereq: GTEC 20100, perm instr.
90 hrs of field/lab work (1 day lab, 10 days field) 3 cr.
Offered summer intersession (check with dept. in April).

**GTECH 35100 - Field Techniques in Geography**

Observation and analysis of physical geography, biogeography and geomorphology of selected areas. Field geographic techniques such as ground-truthing of remotely sensed images, the use of maps, compasses and GPS to navigate. Fee for transportation, lodging and food allowance required.

prereq: GTEC 201, any two additional geography or geology courses, perm dept.
90 hrs field/lab work (3 days lab, 7 days field) 3 cr.
Offered summer intersession (check with dept. in April).

**GTECH 36100 - Geographic Information Science I**

Covers the GIS production process from data modeling and acquisition to editing, analysis, and cartographic output. GTECH 710 addresses students from both geography and other disciplines. Lecture examples, as well as hands-on exercises cover a range of application areas. The course is divided into two equally important parts: lectures, which introduce the theory of GIScience, and lab exercises, which help students with many aspects of the software. The lectures discuss concepts, data, tools, and major aspects to assignments. The laboratory sessions introduce the geospatial data and software tools needed for accomplishing the assignments. They will start at a very basic level, requiring little more than elementary experience with the Windows operating system.

prereq: GTEC 20100
4 hrs (2 lec, 2 lab) 3 cr.

**GTECH 36200 - Geographic Information Science II**

Examines the principles of geographic information systems (GIS) including an overview of data structures, data types, methods of data analysis, cartographic modeling, and object-oriented GIS. It will also compare the relative merits of
different types of GIS software packages. The primary software used will be ArcGIS.

**GTECH 36100, STAT 11300**

4 hrs (2 lec, 2 lab) 3 cr.

**GTECH 38000 - Analytical and Computer Cartography**

Introduces modern cartographic theory and conventions, but also provides significant introductory hands-on experience in map design using computer software, specifically ESRI’s ArcView GIS. The majority of topics covered in the course are divided into a lecture and laboratory section. Students are presented with fundamental design theories and principles associated with particular types of maps or related graphic materials in lectures, and then challenged to implement these principles in self-guided hands-on exercises utilizing the software. The course is intended to cover the basic principles of cartography as well as modern techniques which influence map design, presentation, and interpretation processes. Students will develop a series of hard copy maps, charts, and graphics as well as design materials for presentation through digital media.

**prereq: GTEC 20100**

4 hrs (2 lec, 2 lab) 3 cr.

**GTECH 38500 - GIS Applications**

Selected topics in GIS applications to human and physical geographic problems. See department for topics offered. May be repeated for credit as topics change.

**prereq: GTEC 20100 or equiv.**

3 hrs 3 cr.

**Physical Geography**

**PGEOG 13000 - Weather and Climate**

GER 2/E

Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.

5 hrs (3 lec, 2 lab) 4 cr.

*Offered in the Fall and Spring*

**PGEOG 23100 - Physical Geography II: Principles of Geomorphology**

See GEOL 23100

**PGEOG 25000 - Earth System Science I**

GER 3/B

In this course students learn to think of Earth as a system of several components that interact with each other, sometimes in very complicated ways. The components of the Earth system that will be considered include the
atmosphere, the hydrosphere, the lithosphere, and the biosphere. While each of these components can, and should, be studied in more detail in separate courses, here the focus is on interactions between them.

**prereq:** at least one 100-level science course or perm instr. 
**prereq or coreq:** GEOL 10100 or PGEOG 13000 or GEOG 22600 or perm instr.

4 hrs 3.5 cr.

**PGEOG 25100 - Earth System Science II**

GER 3/B
The second part of a two-course sequence, students continue the objectives of PGEOG 25000, and learn about our planet as a system of interacting components, including the atmosphere, hydrosphere, lithosphere, and biosphere. This course focuses primarily on the biosphere, paleoclimates, and the Arctic climate system.

**prereq:** PGEO 25000 or perm instr.

4 hrs 3.5 cr.

**PGEOG 31100 - Introduction to Fluid Mechanics**

GER 3/B
Covers the basic principles of fluid mechanics including statics, kinematics of fluid motion, integral and differential representation of conservation of mass, linear momentum, the first Law of Thermodynamics, Bernoulli's equation, dimensional analysis, and elementary viscous flow.

**prereq:** PHYS 12100 or 12000 and MATH 15500 or perm instr.

3 hrs 3 credits

**PGEOG 31300 - Biogeography**

GER 3/B
Provides an understanding of the geographic distribution and temporal variability of biological diversity over the face of the Earth and the biotic and abiotic factors and processes underlying these patterns and dynamics. Completion of PGEOG 25000/25100 and GTECH 37300 prior to enrollment is strongly recommended.

**prereq:** PGEOG 13000, GEOG 10100 or BIOL 10000/10200

3 hrs 3 cr.

**PGEOG 33200 - Introduction to Hydrology**

GER 3/B
Designed to provide the basic understanding of how water on the Earth moves, distributes, circulates and interacts with the environment. Focus will be on hydrological processes including precipitation, evapotranspiration (evaporation and transpiration), soil water, ground water, and runoff, which form the complete water cycle at global, regional and watershed scales. The course will also cover some topics on how water responds to environmental changes and strategies of integrated water resources.

**prereq:** GEOL 10100, PGEO 13000 or perm instr.

3 hrs 3 cr.

**PGEOG 33400 - Coastal Geomorphology** See GEOL 33400

See GEOL 33400
PGEOG 33500 - Urban and Metropolitan Coasts

GER 3/B

A systematic study of the natural and anthropogenic processes on urban coastal environments. Special emphasis on the coastline of the NY metropolitan area, with examples from coastal cities worldwide.

prereq or coreq: Prereq: GEOL 10100 or GEOG 10100
3 hrs 3 cr.

PGEOG 36100 - Global Climatic Change

GER 3/B

Open to Jr/Sr only. An intensive introduction to the study of climate change with emphasis on modern climate change, anthropogenic forcing and measured and predicted consequences of this forcing. Students will develop an understanding of natural climate forcing, natural variability and feedbacks in the climate system while concurrently studying the Earth’s climate history, and modern climate change.

prereq: PGEO 13000 or GEOL 10100 or 10500
3 hrs 3 cr.

PGEOG 36300 - Environmental Hazards

GER 3/B

The course, in response to actual and potential hazards, either natural or anthropogenic in origin, will investigate the processes that link fundamental social development to environmental processes that are influenced by human activities. Natural hazards, in many cases, augment the environmental fragility of our society and the consideration of environmental hazards needs to be incorporated into management of climate variability, storms, droughts, floods, earthquakes, etc. An aim is to seek preventive measures and find solutions to act on environmental hazards on national and international levels.

prereq: PGEO 13000 or equiv.prereq or coreq: PGEOG 13000 or equiv.
3 hrs 3 cr.

PGEOG 38100 - Special Topics in Environmental Studies

GER 3/B

Open to Jr/Sr only. Topics to be announced.
prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, one course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab) 1-3 cr.

PGEOG 38200 - Special Topics in Environmental Studies

GER 3/B

Open to Jr/Sr only. Topics to be announced.
prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, one course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab) 1-3 cr.

PGEOG 38300 - Special Topics in Environmental Studies
GER 3/B
Open to Jr/Sr only. Topics to be announced.
prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, one course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab) 1-3 cr.

PGEOG 39100 - Individual Study in Environmental Studies

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.
prereq: GEOL 10500, GEOG 22600 or PGEOG 13000
1-3 cr.

PGEOG 39200 - Individual Study in Environmental Studies

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.
prereq: GEOL 10500, GEOG 22600 or PGEOG 13000, perm instr.
1-3 cr.

PGEOG 39300 - Individual Study in Environmental Studies

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.
prereq: GEOL 10500, GEOG 22600 or PGEOG 13000; perm instr.
1-3 cr.

PGEOG 49000 - Honors in Environmental Studies

Open to upper Jr/Sr environmental studies majors only. Individual research to be carried out under faculty guidance. Results may be embodied in an honors essay or equivalent.
prereq: perm dept.

PGEOG 49800 - Internship in Environmental Studies

Open to qualified environmental studies majors and minors, upper Jr/Sr only. Opportunities for working in positions of responsibility in professional institutions for academic credit. See environmental studies faculty adviser.
1-4 cr.

Geology

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab) 4.5 cr.
Offered fall and spring.
GEOL 10200 - Plate Tectonics and the Earth’s Evolution

GER 2/E
The second course in geology offered to non-geology majors. It is designed to familiarize students with the main concepts used in deciphering and interpreting earth’s evolution from the spatial and temporal perspective. Topics to be covered include: geologic time; geological principles; earth materials as recorders of past geologic processes; depositional environments and sedimentary rock record; igneous and metamorphic geologic environments and their rock records; evolution of the solar system; plate tectonics and life on earth; origin of the universe; life on earth and the fossil record; Precambrian, Paleozoic, Mesozoic, and Cenozoic life, history and tectonics. Field trips may be required; transportation fee.

prereq: GEOL 10100
5 hrs (3 lec, 2 lab)4 cr.
Offered fall.

GEOL 10500 - Introduction to Environmental Geoscience

Introduction to environmental geoscience focusing on aspects of global change and the interrelationship of earth systems. Review of the evolution of the earth from its origins to potential future developments; environmental problems and issues.

prereq: ENGL 12000
3 hrs3 cr.

GEOL 18000 - Introduction to Oceanography

GER 2/E
Dynamic processes are responsible for the ocean’s influence on our environment and life cycles on earth. The course introduces students to the broad field of oceanography and specifically identifies areas which are of concern on both local and global scales. The origins of the oceans and life as it exists in today’s ocean will be covered. Lectures will include the sub-disciplines of biological, chemical, physical, and geological oceanography and concepts that relate to continental margins, ocean basins, sediments and seafloor spreading. Emphasis will be given to the interaction between the circulation of the atmosphere and ocean surface currents, deep ocean circulation, waves and tides. The coastal zone as a fragile environment will be highlighted in connection with dynamic physical and biological processes. No lab component.

3 hrs3 cr.
Offered fall and spring.

GEOL 20500 - Environmental Geology

GER 3/B
As human populations continue to grow, resource depletion and hazards will become more severe. Many decisions concerning the use of resources, such as water, soil, minerals, energy and space to live, will determine our standard of living and the quality of the environment. Scientific knowledge, combined with human values, will dictate these decisions. This course examines not only the way geological processes operate and impact society, but also how the earth system responds to human activity. The difficult problems associated with extracting enormous quantities of resources needed to sustain modern societies will be discussed. The course will also address ways humans can minimize the risks associated with hazardous earth processes. Quantitative analysis of selected topics will be introduced to provide a deeper understanding of the complexity of today’s environmental issues.

prereq: GEOL 10100
3 hrs3 cr.

GEOL 23100 - Principles of Geomorphology
GER 2/E or 3/B
Investigates the geologic forces that shape the surface of the Earth. In the laboratory students will learn to analyze features of the landscape and deduce the processes that produced them. Students will use traditional laboratories as well as Google Earth to learn about a variety of surficial processes.

prereq: PGEO 13000 or GEOL 10100
4 hrs (2 lec, 2 lab) 3 cr.

GEOL 28000 - Marine Geology

GER 3/B
Marine Geology is the study of the seafloor. This course attempts to answer the questions “what?”,”where?”,”when?” and more importantly “how?” in order to better understand the processes that shape the ocean basins and determine the structure and composition of the oceanic crust. The main patterns of sediment distribution in the ocean basins and how sediments preserve a record of past climatic and sea-level changes will be explored. In addition, the role of fluids in ocean sediments and the oceanic crust will be examined. The seafloor sediments will be studied with a focus on their role in marine biogeochemical cycles.

prereq: GEOL 10200 or perm instr.
3 hrs 3 cr.
Fall

GEOL 33200 - Hydrology See PGEO 332

See PEGO 332

GEOL 33400 - Coastal Geomorphology

GER 3/B
A study of the basic processes shaping the coast and the resulting form; surficial morphology and internal geometry of such forms as cliffs, dunes, beaches and near shore bars. Map exercise and a one-day field trip.

prereq: GEOL 23100 or PGEO 23100 or equiv. or perm dept.
3 hrs 3 cr.

GEOL 38000 - Advanced Oceanography: Chemistry and Physics of the Oceans

GER 3/B
The oceans play a significant role in how the climate system responds to anthropogenic perturbations. To understand past, present and future climate, students need to know and understand the world ocean. Oceanography is multidisciplinary. It offers an opportunity to review and to apply many of the concepts taught in the major traditional disciplines of physics, chemistry, biology and mathematics. This course will offer an in-depth tour of the complex study of oceanography and an introduction to quantitative methods in oceanography using Matlab. This science-based course requires students to learn and understand, and be willing to work with, physical and quantitative concepts. Students must be prepared to learn the basics of computer scripting/programming syntax and logic, one of the major skills to be acquired in this course.

prereq: one sem CHEM or PHYS, MATH 15000 or equiv.
3 hrs 3 cr.

GEOL 38100 - Special Topics in Geology and Oceanography

GER 3/B
Intensive courses in various aspects of geology or oceanography. Topics to be announced.
prereq: 200-level course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab)1-3 cr.

**GEOL 38200 - Special Topics in Geology and Oceanography**

GER 3/B
Intensive courses in various aspects of geology or oceanography. Topics to be announced.
prereq: 200-level course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab)1-3 cr.

**GEOL 38300 - Special Topics in Geology and Oceanography**

GER 3/B
Intensive courses in various aspects of geology or oceanography. Topics to be announced.
prereq: 200-level course of which special topic is logical outgrowth; perm instr.
1-4 hrs (lec or lec/lab)1-3 cr.

**GEOL 39100 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.
prereq: 2 sems of geology, perm dept.
1-3 cr.

**GEOL 39200 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.
prereq: 2 sems of geology, perm dept.
1-3 cr.

**GEOL 39300 - Individual Study in Geology**

Individual studies and readings, with lab or fieldwork where appropriate, carried out under faculty guidance.
prereq: 2 sems of geology, perm dept.
1-3 cr.

**Geography: Courses Less Frequently Offered**

**GEOG 21000 - Elementary Field Geography**

GER 3/B

**GEOG 21100 - Field Geography of New York City and Vicinity**

GER 3/B

**GEOG 34800 - Geography of Religion**
GEOG 37200 - Field Geography of Peru

GER 3/B
Regional field study of the geography of Peru. Topics include physical, environmental, historical, cultural, urban, political, agricultural, religious and economic geographies in various ecological zones. Taught in English. Fee for transportation and accommodations required. Completing GEOG 101 or GEOL 101 or P GEO 130 prior to enrollment is strongly recommended.

prereq: acceptance into Peru Study Abroad Program
coreq: GEOG 27100 or dept. perm.
90 hrs of fieldwork 3 cr.

GEOL 21100 - Field Geology of New York City and Vicinity

GER 3/B
Provides you with the essential information about the geology of New York City, plate tectonics, and the philosophy and the practice of geological field work. Students will learn how to use basic field equipment and geologic and topographic maps. The first part of the course consists of field trips using public transportation to the main geologic formations of the New York metropolitan where students examine and identify rocks in situ and non in situ. Basic procedures of geologic field research are taught and students learn to identify, measure, and describe rocks, geologic structures and textures. The second part of the course will be in the laboratory to study the field material, plot information on topographic maps, correlate information and create basic geologic maps, basic geologic profiles and the synthetic geologic column of the NYC Metropolitan area.

prereq or coreq: Prereq: GEOL 10100 or 10200

GEOL 23300 - Geology of North America

GER 3/B

GEOL 24400 - Sedimentology

GER 3/B

GEOL 24800 - Principals of Stratigraphy

GER 3/B

PGEOG 21200 - Geography of Soils and Vegetation

GER 3/B

Sociology: Upper Division

SOC 37102 - Independent Study

GER 3/B
Completion of written assignment as proposed by student as approved and supervised by full-time faculty sponsor.
About the Department

The German department offers courses in the language, literature, and cultures of the German-speaking countries to help students reach high levels of linguistic and cultural proficiency and excel in the field of German studies.

The language and literature curriculum is designed to guide students in a professional, research-based manner from their current levels in the language through well defined stages of proficiency in speaking, reading, writing, and comprehension so that they will reach college-level literacy in German.

Students who complete the elementary and intermediate course sequence (language requirement) can expect to reach a real ability to function in standard situations in a German-speaking environment and to have a solid base for the further study of German.

Students who complete advanced language, literature, and culture courses will gain an understanding and appreciation of German literature and civilization, past and present, will comprehend spoken and written German to a level that they can understand major works of German prose, drama, and poetry and will be well on their way towards the linguistic and cultural capacity for intellectual discourse in written and spoken German.

In teaching and scholarship, faculty serve as mediators between the American and German-language cultures. They have a broad firsthand knowledge of German cultural texts, traditions, issues and trends so that they can support students with diverse interests relating to the German language and cultures and thus help Hunter students in all their endeavors pertaining to things German.

The German Department also offers courses in German literature in English translation for students who have no knowledge of the German language. These courses cannot be applied to the foreign language requirement, nor to the regular German major.

Foreign Language Requirement

1. Students who begin German as a new language will fulfill the foreign language requirement by taking 12 credits in the elementary/intermediate language sequence: GERMN 10100-GERMN 10200 (or GERMN 10300), GERMN 20100-GERMN 20200 (or GERMN 20300).

2. Students who enter with one or more years of high school German must take all the credits they need so that they can pass GERMN 20200 (or GERMN 20300).

3. Students who enter with four years of high school German may be exempted from the foreign language requirement (see the General Education Requirement section of this catalog).
Placement

Students who have some knowledge of German should consult with one of the departmental advisers or the chair for placement in a class that is appropriate for them.

Programs and Courses

Programs and Courses in German

Administration and Faculty

Department Office:

1405 West
(212) 772-4980
fax: (212) 772-5746
Web site: http://www.hunter.cuny.edu/german

Chair:

Elke Nicolai
1406 West
(212) 772-4985
enicolai@hunter.cuny.edu

Faculty

German Faculty

HEGIS Code: 1103

Undergraduate Major

German - BA

Major

The major consists of 24 credits chosen from the following courses:

Advanced courses in language, level I:

GERMN 30100 - Advanced German Comprehension and Conversation
GER 3/A
Intensive practice in reading and listening to German texts and in conversational German; some essay writing.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 30200 - Advanced German Conversation and Composition**

GER 3/A
Intensive practice in speaking and writing German.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 31000 - Advanced Studies in German Language**

GER 3/A
Intensive language study in a German speaking country. May be repeated once at a different level.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 31200 - Introduction to Business German**

GER 3/A
Introduction to the specialized language of German business and economics and intensive practice in German terminology and style on such topics as banking and finance, the corporate structure and the European Union.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 30100 or perm instr.
3 hrs3 cr.

Advanced courses in literature, level I:

**GERMN 32000 - Studies in German Literature and Language**

GER 3/A PD/D
Discussion of literary topics or linguistic phenomena. May be repeated with a different topic.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

**GERMN 32100 - Individual and Society in Modern German Literature**

GER 3/A PD/D
The central conflict between individual liberty and societal constraints as reflected in short stories, novellas and plays by 20th century authors such as Kafka, Brecht, Böll and Frisch.
Conducted in German A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

GERMN 32200 - German Civilization

GER 3/A PD/D
Introduction to key topics in German history, politics, arts, literature and sciences.

GERMN 32300 - Women in German Literature

GER 3/A PD/C
Reading and discussion of literature from the 19th century to the present written in German by and about women.

GERMN 32700 - Modern Swiss Literature

GER 3/A PD/D
Reading and discussion of literature written in German by Swiss authors since the 19th century.

GERMN 32800 - German Children's and Adolescent Literature

GER 3/A PD/D
Reading and discussion of literature for young readers and adolescents.

GERMN 33400 - The German Short Story and Novelle

GER 3/A PD/D
Discussion of short narrative works from age of Goethe to present.

GERMN 33500 - German Radio Plays: Hoerspiel
GER 3/A PD/D
Listening to and discussion of literary radio plays from the 1950s to today.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 33600 - German Lyric Poetry

GER 3/A PD/D
Discussion of important lyrics from Baroque period to present.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 33900 - German Drama from Naturalism to Present

GER 3/A PD/D
Discussion of dramas by such writers as Hauptmann, Wedekind, Brecht, Drennatt, Frisch and Handke.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

Advanced courses in literature, level II:

GERMN 34100 - German Drama from Age of Goethe to Naturalism

GER 3/A PD/D
Discussion of dramas by such writers as Goethe, Schiller, Kleist, Bchnner, Grillparzer and Hebbel.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 34200 - The German Novel

GER 3/A PD/D
Discussion of narrative works by such writers as Goethe, Keller, Fontane, T. Mann, Kafka, Döblin and Böll.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 34300 - German Literature from Its Origins to the Age of Goethe

PD/D
GERMN 34400 - Readings in Classical Period of German Literature

GER 3/A PD/D
Discussion of selected works by Lessing, Goethe and Schiller.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34500 - Literature of Weimar Republic

GER 3/A PD/D
Discussion of literary works and documents influential in German life between 1918 and 1933.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34600 - German Literature of the 1930s and 1940s

GER 3/A PD/D
Reading and discussion of literature written between the time of the Weimar Republic and 1945.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34700 - German Literature 1945-1995

GER 3/A PD/D
Reading and discussion of German literature written between 1945 and 1995.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34800 - East German Literature (1945-1990)

GER 3/A PD/D
Reading and discussion in German of literature written in East Germany during the existence of the German Democratic Republic as a sovereign state.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 35000 - Austrian Literature

GER 3/A PD/D
Discussion of literature and culture of the fin-de-siècle Vienna.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance
with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: one course numbered from GERMN 32000 to 35900 or equiv.

3 hrs 3 cr.

GERMN 35300 - Goethe's Faust

GER 3/A PD/D
Intensive study of Goethe's Faust, Parts I and II.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: one course numbered from GERMN 32000 to 35900 or equiv.

3 hrs 3 cr.

GERMN 35900 - German Literary Seminar

GER 3/A PD/D
Seminar study of significant theme in German literature, German author or literary movement or genre. May be repeated with a different topic.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: one course numbered from GERMN 32000 to 35900 or equiv.

3 hrs 3 cr.

Advanced courses in language, level II:

GERMN 38100 - The German Press of Today: Reading and Understanding Newspapers and Magazines

GER 3/A
Reading and discussion of present-day German newspapers and magazines.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: two courses numbered GERMN 30000 or above or equiv. (excluding courses in English translation)

3 hrs 3 cr.

GERMN 38200 - Advanced Business German

GER 3/A
Cross-cultural study and practicing of German business culture and language while studying Germany as global economic player. Topics such as corporate structure, management strategies, international marketing and labor relations.

prereq or coreq: GERMN 31200 or perm. instr.

3 hrs 3 cr.

GERMN 38300 - German Grammar for Upper-Level Discourse

GER 3/A
Study of German grammar from basic to complex structures. Intensive practice in control of grammatical forms at high levels of spoken and written discourse.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance
with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: three courses above GERMN 30000 or equiv (excluding courses in English translation)
3 hrs 3 cr.

Special projects:

GERMN 44400 - Seminar Studies in German Literature and Language

GER 3/A PD/D
Seminar study of literary topic or linguistic phenomenon. May be repeated with a different topic.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 2000 or 20300 or equiv.
3 hrs 3 cr.

GERMN 49100 - Honors Project

Open to Jr/Sr only. Individual study and independent research in consultation with faculty member. Honors essay required.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: perm chair
3 cr.

GERMN 49200 - Independent Study in German

Number of credits to be determined in advance in consultation with faculty member on basis of work planned.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: perm chair
1-3 cr.

GERMN 49300 - Individual Studies Project in German Studies

Individual research on German-studies topic under direction of faculty member. Written report required.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: perm chair
3 cr.

GERMN 49800 - Internship

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: perm of chair
1-4 cr.

Additional Information

At least 12 credits must be earned by taking classes numbered between 32000 and 35900 or 44400.
At least three of these 12 credits must be from classes numbered between 34100 and 35900 or 44400.

Students should consult a department adviser to plan their course of studies in German. Students who begin German in college may count the following as major courses.

**GERMN 20100 - Intermediate German I**

Practice in comprehending and communicating in German at the intermediate level. Review of basic structures and study of advanced grammar topics.

*prereq: GRMN 10200 or equiv.*

3 hrs 3 cr.

**GERMN 20200 - Intermediate German II**

Grammar review and composition. Reading and discussion of selected literary texts.

*prereq: GRMN 20100 or equiv.*

3 hrs 3 cr.

-or-

**GERMN 20300 - Intensive Intermediate German**

Covers material of GRMN 201 and 202 in one semester.

*prereq: GRMN 10200, 10300 or equiv.*

6 hrs 6 cr.

**Preparation for Teaching in Grades 7-12**

In cooperation with the School of Education, the program in German provides opportunities for students to prepare for a career in teaching German in grades 7-12. Students preparing to teach German must complete a 33-credit major option (Option 2) for teaching that includes the 24-credit sequence (Option 1) taken by non-teaching majors plus 9 additional credits: GERMN 39900 and 6 additional credits in advanced GERMN language and literature courses in the German Department between GERMN 30100 and GERMN 44400 or GERMN 24000, GERMN 24100 or 300-level courses related to German studies offered in other departments (with prior approval by the chairperson of the German Department). Students interested in teaching German in New York schools will take the 23-credit pedagogical sequence for grades 7-12 Languages Other than English: Chinese, French, German, Hebrew, Italian, Russian, Spanish (BA) Additional Coursework and Student Teaching along with the major in German. This sequence may count toward the course requirements for New York State Certification but will not by itself be sufficient for certification. Students interested in a teaching career should consult with the School of Education. All students who want to pursue a teaching certificate in German must take an oral examination with the German Department. See the School of Education section of this catalog for further information.

**Minor in German**

The German minor consists of 12 credits in language and/or literature taught in German at the 300-level or above (GERMN 30100 - GERMN 35900, GERMN 38100 - GERMN 44400). Students who begin their study of German in college may count GERMN 20100 GERMN 20200 (or GERMN 20300) towards the minor and will need to take at least two courses at the 300-level.

*Prerequisites: 6 credits: GERMN 10100 and GERMN 10200, or equivalent*
Electives

All courses offered are open to all qualified students as electives. For placement, consult a departmental adviser or the department chair.

Honors, Tutorials

Consult the department chair for these special programs. In order to graduate with departmental honors the student has to write an honors essay in the following. Please check under “Academic Honors” for exact details. Students who qualify can be elected to the German Honor Society Sigma Epsilon Phi. Please consult the department for exact requirements.

GERMN 49100 - Honors Project

Open to Jr/Sr only. Individual study and independent research in consultation with faculty member. Honors essay required.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: perm chair
3 cr.

Study Abroad

The German Department sponsors a summer study abroad program in Kassel, Germany, for students at all levels.

Exchange Program with Pädagogische Hochschule Karlsruhe, Germany

The German Department has a semester-long or year-long exchange program with the Pädagogische Hochschule Karlsruhe. The department will help students seek financial support. Please consult the department for details.

International Examinations

The German Department is a testing site for the “Goethe Zertifikate” B1, B2 and C1. These examinations are given world-wide by the Goethe Institute www.goethe.de/lrn/prj/pba/bes/enindex.htm, the cultural arm of the German government.

German: Beginning/Intermediate Courses

GERMN 10100 - Elementary German I

Not credited without GRMN 102. Practice in 4 basic skills of speaking, reading, writing and comprehending German. For beginners.
3 hrs 3 cr.

GERMN 10200 - Elementary German II
Continued practice in speaking, reading, writing and comprehending German.

**prereq:** GRMN 10100 or equiv.
3 hrs3 cr.

**GERMN 10300 - Intensive Elementary German**

Intensive practice in 4 basic skills of German. Covers material of GRMN 10100 and 10200 in one semester.
6 hrs6 cr.

**GERMN 20100 - Intermediate German I**

Practice in comprehending and communicating in German at the intermediate level. Review of basic structures and study of advanced grammar topics.

**prereq:** GRMN 10200 or equiv.
3 hrs3 cr.

**GERMN 20150 - Intermediate German Workshop I**

Additional practice in spoken and written German. Intended to improve the speaking skill of students taking GRMN 201.

**coreq:** GRMN 201
1 hrs1 cr.

**GERMN 20200 - Intermediate German II**

Grammar review and composition. Reading and discussion of selected literary texts.

**prereq:** GRMN 20100 or equiv.
3 hrs3 cr.

**GERMN 20250 - Intermediate German Workshop II**

Intermediate conversation course open to students enrolled in GRMN 202. Conversation on topics from everyday life in modern Germany.

**coreq:** GRMN 20200
2 hrs2 cr.

**GERMN 20300 - Intensive Intermediate German**

Covers material of GRMN 201 and 202 in one semester.

**prereq:** GRMN 10200, 10300 or equiv.
6 hrs6 cr.

**GERMN 21100 - Advanced German Reading**

Extensive reading of difficult German texts in various fields of the humanities, arts and sciences.

**prereq:** GRMN 11200 or equiv.
3 hrs3 cr.

**German: Advanced Courses**
GERMN 30100 - Advanced German Comprehension and Conversation

GER 3/A
Intensive practice in reading and listening to German texts and in conversational German; some essay writing.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 30200 - Advanced German Conversation and Composition

GER 3/A
Intensive practice in speaking and writing German.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 31000 - Advanced Studies in German Language

GER 3/A
Intensive language study in a German speaking country. May be repeated once at a different level.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 31200 - Introduction to Business German

GER 3/A
Introduction to the specialized language of German business and economics and intensive practice in German terminology and style on such topics as banking and finance, the corporate structure and the European Union.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: GERMN 30100 or perm instr.
3 hrs3 cr.

GERMN 32000 - Studies in German Literature and Language

GER 3/A PD/D
Discussion of literary topics or linguistic phenomena. May be repeated with a different topic.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

prereq: GERMN 20200 or 20300 or equiv.
3 hrs3 cr.

GERMN 32100 - Individual and Society in Modern German Literature
The central conflict between individual liberty and societal constraints as reflected in short stories, novellas and plays by 20th century authors such as Kafka, Brecht, Böll and Frisch.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

**prereq:** GERMN 20200 or 20300 or equiv.

3 hrs 3 cr.

**GERMN 32200 - German Civilization**

GER 3/A PD/D

Introduction to key topics in German history, politics, arts, literature and sciences.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

**prereq:** GERMN 20200 or equiv.

3 hrs 3 cr.

**GERMN 32300 - Women in German Literature**

GER 3/A PD/C

Reading and discussion of literature from the 19th century to the present written in German by and about women.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

**prereq:** GERMN 20200 or 20300 or equiv.

3 hrs 3 cr.

**GERMN 32700 - Modern Swiss Literature**

GER 3/A PD/D

Reading and discussion of literature written in German by Swiss authors since the 19th century.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

**prereq:** GERMN 20200 or 20300 or equiv.

3 hrs 3 cr.

**GERMN 32800 - German Children’s and Adolescent Literature**

GER 3/A PD/D

Reading and discussion of literature for young readers and adolescents.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.

**prereq:** GERMN 20200 or 20300 or equiv.

3 hrs 3 cr.

**GERMN 33400 - The German Short Story and Novelle**

GER 3/A PD/D

Discussion of short narrative works from age of Goethe to present.

(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

GERMN 33500 - German Radio Plays: Hoerspiel

GER 3/A PD/D
Listening to and discussion of literary radio plays from the 1950s to today.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

GERMN 33600 - German Lyric Poetry

GER 3/A PD/D
Discussion of important lyrics from Baroque period to present.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

GERMN 33900 - German Drama from Naturalism to Present

GER 3/A PD/D
Discussion of dramas by such writers as Hauptmann, Wedekind, Brecht, Dreienmatt, Frisch and Handke.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: GERMN 20200 or 20300 or equiv.
3 hrs 3 cr.

GERMN 34100 - German Drama from Age of Goethe to Naturalism

GER 3/A PD/D
Discussion of dramas by such writers as Goethe, Schiller, Kleist, Bchner, Grillparzer and Hebel.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34200 - The German Novel

GER 3/A PD/D
Discussion of narrative works by such writers as Goethe, Keller, Fontane, T. Mann, Kafka, Döblin and Böll.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 34400 - Readings in Classical Period of German Literature
GER 3/A PD/D
Discussion of selected works by Lessing, Goethe and Schiller.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 34500 - Literature of Weimar Republic

GER 3/A PD/D
Discussion of literary works and documents influential in German life between 1918 and 1933.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 34600 - German Literature of the 1930s and 1940s

GER 3/A PD/D
Reading and discussion of literature written between the time of the Weimar Republic and 1945.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 34700 - German Literature 1945-1995

GER 3/A PD/D
Reading and discussion of German literature written between 1945 and 1995.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 34800 - East German Literature (1945-1990)

GER 3/A PD/D
Reading and discussion in German of literature written in East Germany during the existence of the German Democratic Republic as a sovereign state.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered GERMN 32000 to 35900 or equiv.
3 hrs3 cr.

GERMN 35000 - Austrian Literature

GER 3/A PD/D
Discussion of literature and culture of the fin-de-siècle Vienna.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 35300 - Goethe's Faust

GER 3/A PD/D
Intensive study of Goethe's Faust, Parts I and II.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 35900 - German Literary Seminar

GER 3/A PD/D
Seminar study of significant theme in German literature, German author or literary movement or genre. May be repeated with a different topic.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: one course numbered from GERMN 32000 to 35900 or equiv.
3 hrs 3 cr.

GERMN 38100 - The German Press of Today: Reading and Understanding Newspapers and Magazines

GER 3/A
Reading and discussion of present-day German newspapers and magazines.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: two courses numbered GERMN 30000 or above or equiv. (excluding courses in English translation)
3 hrs 3 cr.

GERMN 38200 - Advanced Business German

GER 3/A
Cross-cultural study and practicing of German business culture and language while studying Germany as global economic player. Topics such as corporate structure, management strategies, international marketing and labor relations.
prereq or coreq: GERMN 31200 or perm. instr.
3 hrs 3 cr.

GERMN 38300 - German Grammar for Upper-Level Discourse

GER 3/A
Study of German grammar from basic to complex structures. Intensive practice in control of grammatical forms at high levels of spoken and written discourse.
(Conducted in German) A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
prereq: three courses above GERMN 30000 or equiv (excluding courses in English translation)
3 hrs 3 cr.
**GERMN 39900 - Second Language Acquisition**

GER 3/A
A survey of issues and approaches to second language acquisition. For students planning to teach languages other than English in grades 7-12.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
Prereq: at least three courses at the 300 level in the language, ENGL 12000
3 hrs 3 cr.

**GERMN 44400 - Seminar Studies in German Literature and Language**

GER 3/A PD/D
Seminar study of literary topic or linguistic phenomenon. May be repeated with a different topic.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
Prereq: GERMN 2000 or 20300 or equiv.
3 hrs 3 cr.

**GERMN 49100 - Honors Project**

Open to Jr/Sr only. Individual study and independent research in consultation with faculty member. Honors essay required.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
Prereq: perm chair
3 cr.

**GERMN 49200 - Independent Study in German**

Number of credits to be determined in advance in consultation with faculty member on basis of work planned.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
Prereq: perm chair
1-3 cr.

**GERMN 49300 - Individual Studies Project in German Studies**

Individual research on German-studies topic under direction of faculty member. Written report required.
*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
Prereq: perm chair
3 cr.

**GERMN 49800 - Internship**

*(Conducted in German)* A varying selection of the following courses will be offered in alternate years in accordance with student needs. Please consult the chair of the department or a departmental adviser for specific details.
Prereq: perm of chair
1-4 cr.
German Literature and Civilization (in English)

GERMN 24000 - German Thought and Culture: A Survey (W)

GER 2/C PD/D
Discussion of the German contribution in the fields of art, literature, music, philosophy in historical perspective.

*(Conducted in English) Note: No knowledge of German required.*

prereq or coreq: ENGL 12000
3 hrs3 cr.

GERMN 24100 - German Fairy Tales in Translation (W)

GER 2/C PD/D
Reading and discussion of traditional and literary fairy tales of Germany. cross-cultural comparison of various fairy-story traditions; development of motifs through various ages and cultures.

*(Conducted in English) Note: No knowledge of German required.*

prereq or coreq: ENGL 12000
3 hrs3 cr.

*No “W” designation when offered in Winter Session*

GERMN 37200 - Germany in the Twenties (W)

GER 3/A PD/D
Literature, art and politics in Germany between World War I and Third Reich, 1918-1933.

*(Conducted in English) Note: No knowledge of German required.*

3 hrs3 cr.

GERMN 37400 - Masterpieces of German Literature in English Translation (W)

GER 3/A PD/D
Discussion of some outstanding works of German literature.

*(Conducted in English) Note: No knowledge of German required.*

3 hrs3 cr.

GERMN 37900 - Studies/Seminar Studies in German Literature in English Translation

GER 3/A PD/D
Discussion and analysis of literary movement, genre, major topic or important author.

*(Conducted in English) Note: No knowledge of German required.*

3 hrs3 cr.

GERMN 47900 - Studies/Seminar Studies in German Literature in English Translation

GER 3/A PD/D
Discussion and analysis of literary movement, genre, major topic or important author.
German courses less frequently offered:

- GERMN 10600 - German through Lieder
- GERMN 34300 - German Literature from Its Origins to the Age of Goethe
- GERMN 36100 - Gottfried von Strassburg: Tristan
- GERMN 36200 - Wolfram von Eschenbach: Parzival in translation
- GERMN 36300 - Goethe’s Faust in English translation
- GERMN 36400 - Heinrich von Kleist
- GERMN 36500 - Georg Büchner
- GERMN 36600 - Hermann Hesse
- GERMN 36700 - Hermann Hesse: Magister Ludi
- GERMN 36800 - Rainer Maria Rilke’s Duino Elegies
- GERMN 36900 - Thomas Mann’s The Magic Mountain
Programs and Courses in History

History

About the Department

History is the record of human experience. Its study is a first step in learning about ourselves and our society — about economics and politics, psychology and sociology, mathematics and science, the arts and the humanities. For students whose undergraduate major is history, career opportunities are numerous and varied. Medical, law and other professional schools favor applicants with history majors because of their broad background and research skills. Moreover, while teaching has long been a popular goal for history majors, positions in government (local, state and national), in publishing and advertising, in communications and in business also await those students whose human perspective and intellectual discipline have been developed in history classes. Beyond the purely practical consideration of a profession, the study of history is exciting in its own right.

Programs and Courses

Programs and Courses in History

Administration and Faculty

Department Office:

1512 West
(212) 772-5480
Web site: http://hunter.cuny.edu/histo

Chair:
Undergraduate Major

History - BA

students must take HIST 15100 and HIST 15200

Major

The history major consists of 30 credits as follows:

a. A maximum of 9 credits may be taken in basic 100-level courses.

b. At least 18 credits are required above the 100 level; 6 credits must be in 200-level courses and 12 credits must be in 300-level courses.

c. Majors must take History 300 (Historical Research) twice in conjunction with 300-level courses or, in rare instances and with department permission, in conjunction with a 200-level course.

Within the courses taken to fulfill the major requirement, students must take a minimum of 6 credits in each of the following areas:

1. United States history
2. European history
3. World/non-Western history/Latin American history

Students may not use courses graded on the basis of Credit/No Credit toward fulfillment of the major.

History majors are strongly encouraged to take at least 3 credits in an advanced seminar or problems course

HIST 38200 - Historical Studies Seminar

GER 3/B
Topics vary each term.
Courses at the 300-level and above not offered to freshmen.
prereq: GPA 2.8; history GPA 3.5
3 hrs 3 cr.
HIST 38300 - Problems in U.S. History (W)

GER 3/B
Intensive reading and research in selected topics.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 38400 - Problems in European History (W)

GER 3/B
Intensive reading and research in selected topics.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 38500W - Problems in Non-Western History

GER 3/B
Intensive reading and research in selected topics.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 40000 - Historiography

GER 3/B
The origins of history writing and the modern historical profession; modes of historical research; the evaluation of historical evidence; the historical and social uses of history. Recommended for all history majors. Required of students who wish to graduate with honors in history.
Courses at the 300-level and above not offered to freshmen.
prereq: not open to students who have completed fewer than 80 credits
3 hrs3 cr.

HIST 48300 - Problems in U.S. History (Honors) (W)

GER 3/B
Courses at the 300-level and above not offered to freshmen.
prereq: perm chairprereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 48400 - Problems in European History (Honors) (W)

GER 3/B
Courses at the 300-level and above not offered to freshmen.
prereq: perm chair
3 hrs3 cr.

HIST 485000 - Problems in Non-Western History (Honors) (W)
MINOR

A history minor consists of 12 credits taken for letter grades (C or better); Credit/No Credit cannot be counted toward the minor. Courses must be distributed in at least two geographic fields (currently defined as U.S., Europe, and World/non-Western/Latin America). A minimum of six credits must be in courses at the 300-level or higher. Internships (HIST 49800) do not count toward completion of the minor, although students completing the minor may elect to include an internship as an additional course. HIST 30000 and Tutorials (HIST 49300) are available only to History Majors and, thus, do not count toward the minor. At least six credits must be taken in the History Department at Hunter College. Courses taken in other disciplines will not count toward the minor unless cross-listed and taken under the appropriate HIST course prefix. Transfer courses must be approved by the History Undergraduate Advisor.

PREPARATION FOR TEACHING

CHILDHOOD EDUCATION (GRADES 1-6)

In cooperation with the School of Education, the Department of History provides opportunities for history majors to prepare for a career in childhood education. Students complete the 30-credit History major with the childhood education sequence as a collateral major.

adolescent education

Students who wish to prepare for a career in teaching social studies in grades 7-12 may take a 33-credit history major with an additional 9 credits of prerequisites History for Adolescent Education (Social Studies). In addition, students take the 23-credit adolescent education sequence.

 honors in history

Students will be eligible for honors in history upon completion of 30 credits in history with a 3.5 GPA and a 2.8 cumulative GPA at the time of graduation. To be eligible to graduate with honors in history, students can take Historiography or 3 to 6 credits in seminar, tutorial or problems courses or graduate courses with special permission, with a grade of B or better. Eligible students should apply for honors at the time they file for graduation. Applications are available from the department.

HIST 40000 - HISTORIOGRAPHY

GER 3/B

The origins of history writing and the modern historical profession; modes of historical research; the evaluation of historical evidence; the historical and social uses of history. Recommended for all history majors. Required of students who wish to graduate with honors in history.

Courses at the 300-level and above not offered to freshmen.

prereq: not open to students who have completed fewer than 80 credits

3 hrs3 cr.
HIST 48300 - Problems in U.S. History (Honors) (W)

GER 3/B
Courses at the 300-level and above not offered to freshmen.
prereq: perm chair or coreq: ENGL 12000
3 hrs 3 cr.

HIST 48400 - Problems in European History (Honors) (W)

GER 3/B
Courses at the 300-level and above not offered to freshmen.
prereq: perm chair
3 hrs 3 cr.

HIST 48500 - Problems in Non-Western History (Honors) (W)

GER 3/B
Courses at the 300-level and above not offered to freshmen.
prereq: perm chair
3 hrs 3 cr.

HIST 49300 - Individual Tutorial Research Project

GER 3/B
Research paper under individual supervision of faculty member.
Courses at the 300-level and above not offered to freshmen.
prereq: perm chair and instr.
3 hrs 3 cr.

Graduate Study

Qualified students in their junior and senior years may be admitted to graduate courses with the approval of the department chair.

History: Major with Minor in International Affairs - BA

Adviser: Michael Luther

Major

The major consists of 18 credits in history:

HIST 32900 - History of European Diplomacy

GER 3/B PD/D
From the Congress of Vienna and national unification movements through the era of total wars and cold war.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.
**HIST 36100 - Rise of America as a World Power**

GER 3/B PD/D
Impact of world leadership on basic principles of American foreign policy since 1898.  
*Courses at the 300-level and above not offered to freshmen.*  
3 hrs 3 cr.

plus 9 credits selected from

**HIST 27700 - East Asia to 1600**

GER 2/B PD/A  
Survey of traditional cultures and sociopolitical structures of China, Japan, Korea and Vietnam to about 1600 AD.  
*Courses at the 300-level and above not offered to freshmen.*  
3 hrs 3 cr.

**HIST 27800 - East Asia, 1600 to the Present**

GER 2/B PD/A  
Coming of West to Asia and resulting processes of revolution and modernization after 1600 AD.  
*Courses at the 300-level and above not offered to freshmen.*  
3 hrs 3 cr.

**HIST 28800 - History of Africa to the 19th Century**

GER 2/B PD/A  
Survey of pre-colonial African societies with emphasis on economic and social institutions changing under the impact of the environment.  
*Courses at the 300-level and above not offered to freshmen.*  
3 hrs 3 cr.

**HIST 28900 - Africa in the 19th and 20th Centuries**

GER 2/B PD/A  
Historical explanation of independent Africa rising after colonialism and adjusting to modernization.  
*Courses at the 300-level and above not offered to freshmen.*  
3 hrs 3 cr.

**HIST 32700 - Europe since 1914**

GER 3/B  
Europe in a century of total wars and cold war: the military, political, social, economic and intellectual scene.  
*Courses at the 300-level and above not offered to freshmen.*  
3 hrs 3 cr.

**HIST 34600 - British Empire and Commonwealth**

GER 3/B  
The rise and fall of the British imperial system and its transformation into a Commonwealth of nations.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 37500 - Late Imperial Russia and the Soviet Union

GER 3/B PD/D
Political, socioeconomic and cultural development of late 19th and 20th century Russian and Soviet society.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 37700 - Ancient and Imperial China to 1800

GER 3/B
China's traditions and transformation from Neolithic times to the late-imperial period, emphasizing state/society relations and the development of the centralized bureaucratic political system; covers political, economic, religious and social developments.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 37800 - China Since 1800

GER 3/B
Internal and external challenges to China's traditional order; the collapse of the imperial system and the establishment of a republic; the warlord period; the war against Japan; the civil war between Communist and Nationalist forces; China since the rise of the Communist Party to state power in 1949.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 39000 - History of Modern West Africa

GER 3/B

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

• Seminars, problems courses and tutorial if appropriate

Minor

The minor consists of 18 credits including

ECO 34000 - International Trade

GER 3/B
Theories of international trade and international trade policies.
prereq: ECO 20000
3 hrs 3 cr.

POLSC 37500 - International Law (W)
GER 3/B
Case studies on nature, sources, practices and efficacy of international law, principles and rules.
*prereq: ENGL 12000 or its equivalent*
3 hrs 3 cr.

**POLSC 27800 - International Organizations (W)**

GER 3/B
Powers, functions and effectiveness of international institutions; emphasis on United Nations and regional organizations.
*prereq: ENGL 12000 or its equivalent*
3 hrs 3 cr.

**GEOG 22100 - Economic Geography**

GER 2/B
An introduction to the sub-discipline of economic geography, which will include an exploration of the history of both economics and geography, and a rigorous global approach to the subjects. Students will come to understand the history of the development of economic thought, leading up to, and transformed, by today’s crisis, as well as the particularly geographical nature of economic phenomena and processes, and the immense contributions geographers have made to the understanding of economics. Course focus is on the dominant form of global economic activity today, which is capitalist, and the way this economic structure plays out through different geographies at different historical moments in time.
*Not open to freshmen*
*prereq: GEOG 10100 or perm instr.*
3 hrs 3 cr.
*Offered fall and spring*

**GEOG 33400 - Political Geography**

GER 3/B
Political geography concerns the nature and consequences of human efforts to divide and control Earth. Major topics to be covered by this course include the origin and evolution of countries and their constituent political units; the defining and drawing of political boundaries; territorial conflicts and disputes; the impact of boundaries on personal and cultural identity; centripetal and centrifugal forces that encourage the success or failure of political units; jurisprudence, crime and punishment; electoral geography; war, piracy and terrorism; ownership of ocean floors and outer space; the environmental impacts of political power (zoning, incorporation, height restrictions, land tenure); and symbols of power in the landscape. Lectures and assignments will stress the relevancy of political geography to issues that affect our everyday life.
*prereq: GEOG 10100 or GEOG 15000 or perm instr*
3 hrs 3 cr.

- plus 6 additional credits chosen from cultural anthropology, economics, energy and environmental studies, geography, political science, sociology, religion or other appropriate areas chosen with the approval of the adviser

**Other Programs**

**History for Adolescent Education (Social Studies)**

Prerequisites (9 credits)
HIST 15100 - The United States from the Colonial Era to the Civil War (W)

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

HIST 15200 - The United States from the Civil War Era to the Present (W)

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs3 cr.

GEOG 10100 - People and Their Environment

GER 2/B
A broad overview of subjects and ideas in geography, possibly the most internally diverse of the social sciences. Covers the geographical aspects of topics including weather and climate, landforms, religions, food, cities, economics, culture, politics and much more. While students will be expected to understand the basics of each of the topics covered, the overarching emphasis will be on understanding the relationships among them. As such, the course builds from one topic to the next, ultimately stressing the sheer geographical complexity and wonder of modern life. Contemporary economic, political and social patterns and problems are discussed.

3 hrs3 cr.
offered fall and spring.

Major (33 credits)

Geography (6 credits)

GEOG 25100 - Geography of the United States and Canada

GER 2/B
Seeks to familiarize students with the regional geography of the United States and Canada. More specifically, the goals are to acquaint students with the dynamic nature of human and physical features that characterize the study area; the ways in which human and natural phenomena interact to create unique place characteristics and sub-regions; the key environmental issues that characterize the study area and its constituent parts; major trends that are affecting the geography of the two countries; and the locations of principal features. The course begins with general overview material, and then examines the various sub-regions of the study area in much greater detail, focusing on key characteristics and environmental challenges
prereq: GEOG 10100 or GEOG 15000 or perm instr.
3 hrs3 cr.

One course selected from the following
GEOG 27000 - Regional Geography of Mexico, Central America and the Caribbean

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Mexico, Central America and West Indies.
3 hrs 3 cr.

GEOG 27100 - Regional Geography of South America

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of South America.
3 hrs 3 cr.

GEOG 27200 - Regional Geography of Europe

GER 3/B PD/D
Analysis of relationship of natural environment to economic, social and political life of modern Europe.
3 hrs 3 credits

GEOG 27400 - Regional Geography of the Middle East and North Africa

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Middle East and North Africa.
3 hrs 3 cr.

GEOG 27500 - Regional Geography of Sub-Saharan Africa

GER 3/B PD/A
Analysis of the relationship of natural environment to economic, social and political life of Africa south of Sahara.
3 hrs 3 cr.

GEOG 27700 - Regional Geography of East Asia

GER 3/B PD/A
Analysis of East Asia's potentials in terms of natural resources, population, industry and agriculture, with emphasis on China.
3 hrs 3 cr.

GEOG 27800 - Regional Geography of Russia and Central Asia

GER 3/B PD/A or D
Analysis of the relationship of the natural environment to economic, social and political life of Russia, the former Soviet republics of Central Asia and Mongolia.
3 hrs 3 cr.

GEOG 32800 - Urban Environmental Problems: Evaluations and Solutions

GER 3/B
Open to Jr/Sr only. The special environmental problems of urban and metropolitan areas will be studied, including water supplies, waste management, environmental impact and waterfront use. Natural physical processes,
methodologies and techniques will be reviewed and applied to decision making. Transportation fee for field work may be required.

**prereq:** GEOG 101 or GEOG 150 or URBS 101 and Jr/Sr standing

3 hrs 3 cr.

**GEOG 34100 - Urban Geography**

GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.

**prereq:** GEOG 101 or GEOG 150 or perm instr, Jr/Sr only

3 hrs 3 cr.

**Political Science & Economics (6 credits)**

**ECO 10000 - Introduction to Economics**

GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics.

*Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.*

3 hrs 3 cr.

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

**prereq or coreq:** ENGL 12000 or its equivalent

3 hrs 3 cr.

**History (21 credits)**

A maximum of 6 credits in history courses at the 100-level and a minimum of 9 credits in history courses at the 300-level or above. Courses taken to satisfy the prerequisite requirement do not count.

**World/Non-US History (12 credits)**

including a least three credits in each of the following categories (courses may be used to count toward only one category; described category must comprise 50% or more of course content for course to qualify):

1) Pre-1800
2) non-Europe
3) Europe

**US History (6 credits)**

all above the 100-level
Keystone Course in History (3 credits)

**SWIM or SYNC:** History Practicum or any dedicated seminar or Honors course at the 400 level approved by the Undergraduate Advisor and/or the Department Chair, as involving significant writing in the major (“SWIM”) or graduate-level history course (700-level) available with permission to graduating seniors (Senior Year Non-Traditional Course; “SYNC”)

**History: European History**

**HIST 12100 - Early Modern Europe 1500 to 1815**

GER 2/B PD/D
Transition from feudal society to national states; religious upheavals, expansion up to the French revolutionary era
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 12200 - 19th and 20th Century Europe (W)**

GER 2/B PD/D
Scientific and industrial revolutions, liberalism, imperialism, socialism and fascism, total war, reconstruction.
*Courses at the 300-level and above not offered to freshmen.*
*prereq or coreq: ENGL 12000*
3 hrs 3 cr.

**HIST 20100 - Ancient Civilization**

GER 2/B
Development of civilization in the Near East. Its expansion under Greece and Rome to 500 CE in the Mediterranean basin.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 21100 - Medieval Civilization (W)**

PD/D
Social, institutional and cultural history of Western Europe from the late Roman period to the Black Death in the mid-14th century.
*Courses at the 300-level and above not offered to freshmen.*
*prereq or coreq: ENGL 120*
3 hrs 3 cr.

**HIST 24200 - The Holocaust: An Introduction**

PD/D
The attempt to exterminate the Jewish people by the Nazis.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.
HIST 30200 - Greek History

GER 3/B PD/D
From the Bronze Age ca. 3000 BCE to the Roman conquest. Emphasis on cultural and political contributions of ancient Greece.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 30300 - Roman History

GER 3/B PD/D
From Iron Age to Justinian; rise and fall of Rome's power and her political and cultural achievements.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 30500 - The Age of the Crusades

GER 3/B PD/D
The expansion of western Europe from 800 to 1492 in eastern Europe, the Mediterranean, Asia and Africa, giving particular attention to the Reconquista in Spain and the crusades in the Middle East.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 31000 - Jewish History in the Medieval and Early Modern Periods

GER 3/B PD/D
The Jewish people from late antiquity to 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 31100 - Europe in the Early Middle Ages

GER 3/B PD/D
The development of European civilization from the fall of the Western Roman Empire to the First crusade.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 31200 - Europe in the High Middle Ages

GER 3/B
The 12th and 13th centuries in Europe; church and state; science and universities; guilds and capitalism.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 31300 - Europe in the Late Middle Ages

GER 3/B
Changing aspects of social, institutional, economic and cultural scene; humanism and art in the 14th and 15th centuries.
Courses at the 300-level and above not offered to freshmen.

3 hrs3 cr.

HIST 31400 - Ancient and Medieval Christianity (W)

GER 3/B PD/D
The development of Christianity from Jesus to Luther; theology and mysticism, lay and monastic spirituality; the papacy and dissidents; gender and sexuality; relations with Judaism and Islam.

Courses at the 300-level and above not offered to freshmen.

prereq or coreq: ENGL 12000

3 hrs3 cr.

HIST 31900 - Jewish History in the Medieval and Early Modern Periods (W)

GER 3/B PD/A
The Jewish people from late antiquity to the 17th century; social and legal status under Islamic and Christian rulers; religious and intellectual movements.

Courses at the 300-level and above not offered to freshmen.

prereq or coreq: ENGL 12000

3 hrs3 cr.

HIST 32000 - Jewish History in the Modern World (W)

GER 3/B PD/D
From the 18th century to the present: Enlightenment, Jewish emancipation and nationalism, a Jewish state; anti-Semitism and the Holocaust; recent trends.

Courses at the 300-level and above not offered to freshmen.

prereq or coreq: ENGL 12000

3 hrs3 cr.

HIST 32100 - History of the Holocaust

GER 3/B
Examination of the mass murder of 6 million Jews by the Nazi regime during World War II.

Courses at the 300-level and above not offered to freshmen.

3 hrs3 cr.

HIST 32400 - Europe in the Age of Renaissance and Reformation (W)

GER 3/B PD/D
European life and society in early modern era. Religious, political, economic and social change.

Courses at the 300-level and above not offered to freshmen.

prereq or coreq: ENGL 12000

3 hrs3 cr.

HIST 32500 - Europe in the Age of Absolutism and Revolution

GER 3/B
Europe from the middle of the 17th century through the Congress of Vienna in 1815.

Courses at the 300-level and above not offered to freshmen.

3 hrs3 cr.
HIST 32600 - Europe 1815-1914
GER 3/B
Political, social, intellectual and economic developments from the Congress of Vienna to World War I.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 32700 - Europe since 1914
GER 3/B
Europe in a century of total wars and cold war: the military, political, social, economic and intellectual scene.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 32900 - History of European Diplomacy
GER 3/B PD/D
From the Congress of Vienna and national unification movements through the era of total wars and cold war.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 33000 - Social and Economic History of Modern Europe
GER 3/B PD/D
Social and economic developments in Europe during the past 200 years.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 33100 - European Culture in the 16th, 17th and 18th Centuries (W)
GER 3/B
The impact of the Reformation, Counter-Reformation, the Scientific Revolution and related movements.
*Courses at the 300-level and above not offered to freshmen.*
Prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 33200 - Modern Culture from the 18th to the 20th Centuries
GER 3/B
From the impact of the Scientific Revolution and the Enlightenment to recent literature, art, religion and science.
European political and social thought.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

HIST 33400 - France during the Revolution and Napoleonic Eras
GER 3/B
A study of the 18th-century antecedents of the French Revolution, the Revolutionary decade and the Napoleonic period.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

**HIST 33500 - History of Modern France**

GER 3/B
The French experience since Napoleon, with emphasis on life and death under the three Republics since 1870.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 33700 - History of Spain**

GER 3/B
From the Middle Ages to the present. Political, economic and social developments.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 33800 - History of Italy (W)**

GER 3/B PD/D
Classical to Renaissance background. Catholic Reformation, foreign domination, Risorgimento to Fascism, post-World War II era.
*Courses at the 300-level and above not offered to freshmen.*
Prereq or coreq: ENGL 12000
3 hrs 3 cr.

**HIST 34250 - Early British History to 1689**

GER 3/B
Origins, medieval and early modern Britain to the Glorious Revolution.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 34251 - Britain Since 1689**

GER 3/B PD/D
British history since the Glorious Revolution.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 34300 - England under the Tudors and Stuarts**

GER 3/B
Government and society, 1485-1714.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 34600 - British Empire and Commonwealth**
GER 3/B
The rise and fall of the British imperial system and its transformation into a Commonwealth of nations.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 37400 - Russia to the 20th Century**

GER 3/B PD/D
Political, socioeconomic and cultural development of Russia from its Kievan origins to the crisis of monarchy.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 37500 - Late Imperial Russia and the Soviet Union**

GER 3/B PD/D
Political, socioeconomic and cultural development of late 19th and 20th century Russian and Soviet society.
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 37600 - Soviet Foreign Policy**

GER 3/B
Objectives and strategies adopted by the Soviet government from the Russian Revolution of 1917 to the end of World War II.
*Courses at the 300-level and above not offered to freshmen.*
prereq: at least one course in 20th century Europe or European diplomacy is recommended
3 hrs 3 cr.

**HIST 38400 - Problems in European History (W)**

GER 3/B
Intensive reading and research in selected topics.
*Courses at the 300-level and above not offered to freshmen.*
prereq or coreq: ENGL 12000
3 hrs 3 cr.

**HIST 48400 - Problems in European History (Honors) (W)**

GER 3/B
*Courses at the 300-level and above not offered to freshmen.*
prereq: perm chair
3 hrs 3 cr.

**History: United States History**

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**
GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 15200 - The United States from the Civil War Era to the Present (W)
GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 31600 - History of Religion in the United States
GER 3/B
Changing European churches and indigenous American sects; their architecture, leaders and ideas.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 31700 - History of the American City
GER 3/B PD/D
History of the American city from the Colonial era to the present; development of the city as physical environment, social experience, political entity and cultural symbol.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 31800 - History of the American Working Class (W)
GER 3/B PD/D
History of the American working class from Colonial times to the present; changing work experience, community life, organizational efforts and political activity of working people.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 35300 - History of New York City
GER 3/B
Urban development; emergence as the financial and cultural capital of the nation; ethnic and racial diversity; dynamics of economic and physical growth; problems of city politics.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 35400 - The American Colonies in the 17th Century (W)
GER 3/B
Comparative treatment of settlement in the Spanish, Portuguese, French, Dutch and English colonies.
Courses at the 300-level and above not offered to freshmen.
HIST 35500 - The American Colonies in the 18th Century (W)

GER 3/B
Social, political and cultural changes.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 35600 - The Early Republic

GER 3/B
Politics and society in the period of Jefferson and Jackson; reform, expansion and change.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 35700 - American-Jewish History (W)

GER 3/B PD/D
Development of the American Jewish community; economic, political and social integration; cultural adaptation.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 35800 - 20th Century United States (W)

GER 3/B PD/D
Leading personalities and domestic problems of the U.S. Since 1900.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 35900 - Immigration and Ethnicity in the United States

GER 3/B PD/D
Experience of immigrant groups since Colonial times; motives for coming; economic and social adjustment; encounter with prejudice; ethnic institutions.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 36100 - Rise of America as a World Power

GER 3/B PD/D
Impact of world leadership on basic principles of American foreign policy since 1898.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 36200 - Biography and Autobiography in the History of the U.S.
HIST 36300 - History of American Culture

GER 3/B PD/D
American ideas and values from the Colonial period to the present.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 36400 - American Constitutional History, 1783 to 1900

GER 3/B PD/D
Development of constitutional thought from the framing of the Articles of Confederation to 1900.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 36500 - American Economic History

GER 3/B
Rural agrarianism to advanced industrialism. Political and social forces, problems of capitalism, social classes.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 36600 - Role of Women in American History

GER 3/B PD/D
Women in all aspects of the country's past; drive to suffrage and its aftermath.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 36700 - Civil War and Reconstruction

GER 3/B PD/D
Slavery, sectional conflict, political crisis of Union. New interpretations of postwar race relations.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 36900 - African American History in the United States

GER 3/B
From the Colonial era to the present. Slavery, emancipation, social and cultural transformation, political turning points and economic issues.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 37000 - The West in American History
GER 3/B
As an undeveloped area; westward expansion, Indian-white relations; paradoxes of government policy; the modern West.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 38300 - Problems in U.S. History (W)

GER 3/B
Intensive reading and research in selected topics.

Courses at the 300-level and above not offered to freshmen.

prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 48300 - Problems in U.S. History (Honors) (W)

GER 3/B

Courses at the 300-level and above not offered to freshmen.

prereq: perm chair
prereq or coreq: ENGL 12000
3 hrs 3 cr.

History: World/Nonwestern/Latin American History

HIST 11100 - World History to 1500

GER 2/B PD/A

The rise of civilizations; technological and intellectual breakthroughs; classical cultures and empires; interregional connections; the spread of civilization across the globe.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 11200 - World History from 1500 to the Present

GER 2/B

The transition from relatively isolated individual cultures to an interrelated global network; the impact of the democratic and scientific revolutions; the development of nationalism and internationalism among the nations of the world.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 20800 - History of the Jews

GER 2/B, PD/A

An introductory survey emphasizing how Jewish communities adapted to a wide range of environments during more than 3000 years of world history.

prereq or coreq: ENGL 12000
3 hours 3 credits
**HIST 21000 - History of Judaism**

GER 2/B
Survey of the Jewish religious tradition with attention to interactions between Judaism and other religions and to the role of Judaism in the formation of Christianity and Islam.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 27100 - Early History of Latin America**

History and cultures of Amerindian groups in Central and South America and the Caribbean; encounter and multiple interactions of European and African cultures with indigenous societies; development of Iberian colonial systems and cultures within the Americas.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 27200 - History of Latin America in the 19th and 20th Centuries**

Political, economic, social and cultural transformations contributing to the development of modern Latin America. Emphasis will be on major historical processes and their impact on the region's cultural diverse population.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 27650 - Middle Eastern History from the Beginning of Islam to 1800**

Religious, cultural and social changes in the region. The emergence of the religion of Islam, the expansion of the Islamic realm and the rise and fall of subsequent Islamic states up to the 18th century.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 27651 - The Modern Middle East from 1800 to the Present**

PD/A
The transformation of states and peoples in the last two centuries in the region stretching from Turkey to Iran and including Iraq, Syria, Egypt and Arabia. Modern social and cultural trends, conflicts and reactions under the impact of imperialism, nationalism, economic trends and religious forces.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 27700 - East Asia to 1600**

GER 2/B PD/A
Survey of traditional cultures and sociopolitical structures of China, Japan, Korea and Vietnam to about 1600 AD.  
*Courses at the 300-level and above not offered to freshmen.*
3 hrs 3 cr.

**HIST 27800 - East Asia, 1600 to the Present**

GER 2/B PD/A
Coming of West to Asia and resulting processes of revolution and modernization after 1600 AD.
 Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

**HIST 28800 - History of Africa to the 19th Century**

GER 2/B PD/A
Survey of pre-colonial African societies with emphasis on economic and social institutions changing under the impact of the environment.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

**HIST 28900 - Africa in the 19th and 20th Centuries**

GER 2/B PD/A
Historical explanation of independent Africa rising after colonialism and adjusting to modernization.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

**HIST 30100 - History of the Ancient Near East**

GER 3/B
Political and cultural developments in Egypt, Mesopotamia, Syria-Palestine, Asia Minor, Persia ca. 3000 BCE to 323 BCE.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

**HIST 30900 - Jewish History in the Ancient World**

GER 3/B PD/A
The Jewish people from its origins in late antiquity; social and intellectual developments from biblical to Talmudic times.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

**HIST 37300 - History of the Ottoman Empire (W)**

GER 3/B PD/A
This course comprises, chronologically and thematically, the history of the Ottoman Empire from the Turkic migrations in the 12th-century to the end of the empire in 1923 and the rise of nationalism in the Middle East. Fundamental knowledge of the history of the Middle East is recommended.

prereq: ENGL 12000
3 hrs3 cr.

**HIST 37700 - Ancient and Imperial China to 1800**

GER 3/B
China's traditions and transformation from Neolithic times to the late-imperial period, emphasizing state/society relations and the development of the centralized bureaucratic political system; covers political, economic, religious and social developments.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 37800 - China Since 1800

GER 3/B
Internal and external challenges to China's traditional order; the collapse of the imperial system and the establishment of a republic; the warlord period; the war against Japan; the civil war between Communist and Nationalist forces; China since the rise of the Communist Party to state power in 1949.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 37900 - Japan to 1800

GER 3/B PD/A
Japanese history from Neolithic times to the late Tokugawa period, emphasizing political, social, religious and cultural developments.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 38000 - Japan since 1800

GER 3/B PD/A
Japan's remarkable transformation from the late Tokugawa to the present, emphasizing political, cultural and social-economic aspects of the Meiji Restoration, the rise of militarism and post-World War II developments.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 38500W - Problems in Non-Western History

GER 3/B
Intensive reading and research in selected topics.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 38900 - History of South Asia

GER 3/B
History of India and nearby countries from the ancient to modern times.

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 39000 - History of Modern West Africa

GER 3/B

Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 48500 - Problems in Non-Western History (Honors) (W)
GER 3/B
Courses at the 300-level and above not offered to freshmen.
prereq: perm chair
3 hrs 3 cr.

History: Topical, Seminar and Tutorial Courses

HIST 25000 - Historical Issues

Study of selected historical themes and issues. Topics vary each semester. May be taken a second time.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 29100 - Historical Methods

The study of history, its sources and its methods.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 30000 - Historical Research (W)

GER 3/B
Closely supervised work on an individual basis in planning, preparing and writing a history research paper. The course will be taken in connection with a 300-level course, with permission of that instructor. Two HIST 300 courses are required of a history major.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
1.5 hrs 1.5 cr.

HIST 34100 - Topics in History

GER 3/B
Exploration of major trends, special controversies or significant events; topics vary each term.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 34122 - Latin American Political Economy

GER 3/B
courses at the 300-level and above not open to freshmen
3 hrs 3 cr.

HIST 34139 - African Influences in the Americas

GER 3/B
Courses at the 300-level and above not open to freshmen
3 hrs 3 cr.
HIST 38200 - Historical Studies Seminar

GER 3/B
Topics vary each term.
Courses at the 300-level and above not offered to freshmen.
prereq: GPA 2.8; history GPA 3.5
3 hrs3 cr.

HIST 39100 - Historical Restoration and Museum Work

GER 3/B
Introduction to museum work.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 40000 - Historiography

GER 3/B
The origins of history writing and the modern historical profession; modes of historical research; the evaluation of historical evidence; the historical and social uses of history. Recommended for all history majors. Required of students who wish to graduate with honors in history.
Courses at the 300-level and above not offered to freshmen.
prereq: not open to students who have completed fewer than 80 credits
3 hrs3 cr.

HIST 49300 - Individual Tutorial Research Project

GER 3/B
Research paper under individual supervision of faculty member.
Courses at the 300-level and above not offered to freshmen.
prereq: perm chair and instr.
3 hrs3 cr.

HIST 49800 - Internship

Work in professional institutions.
Courses at the 300-level and above not offered to freshmen.
prereq: perm chair
1-6 cr.

Religion: Religious Traditions

HIST 31500 - Christianity in Modern Times

GER 3/B
Not offered to freshmen. Transformation of Christianity since the Reformation, Enlightenment and modern political and intellectual challenges.
3 hrs3 cr.
Programs and Courses in Human Rights

Human Rights

About the Program

The Human Rights Program examines the theory and practice of human rights, combining academic training with hands-on experience. By exploring the philosophical foundations and legal framework of human rights, as well as addressing current political, social and economic realities, the program seeks to give students the tools necessary to engage intelligently with contemporary human rights problems. Among the thorny issues students may examine are indigenous peoples’ rights to natural resources, the limits of freedom of expression, the problem of corporate complicity in rights violations, the legitimacy of humanitarian intervention, and the problem of enforceability (both of economic, social, and cultural rights, and of civil and political rights).

An interdisciplinary program, the Human Rights Program offers courses in political science, anthropology, sociology and history, among other fields of study. Students may follow either of two academic tracks: a 15-credit minor in human rights, or 24-credit certificate. A key element of both tracks is the human rights internship, which gives students direct experience with the researchers, advocates, lawyers and analysts who make up the human rights movement.

Both the minor and certificate in human rights are good preparation for a career in government, at a nongovernmental organization, or in a regional or international agency. Many students may choose to go on to law school, journalism school or a graduate program. Whatever their career choice, their knowledge of human rights will make them more thoughtful and informed citizens.

Courses

Human Rights Courses

Administration and Faculty

Director of the Human Rights Program and Program Adviser:

Joanne Mariner
Roosevelt House-RH 404
212-396-6564
jmariner@hunter.cuny.edu

Program Chair:

John R. Wallach (Professor, Political Science)
212 772-5671
1721 West
jwallach@hunter.cuny.edu

Faculty

Human Rights Faculty
Human Rights

Return to Human Rights Program

Minor in Human Rights

The 15-credit Minor in Human Rights consists of two core human rights courses—a 3-credit introductory course and a 3-credit internship—plus three 3-credit cognate courses on specific human rights topics. Students should work with the Human Rights Program adviser to put together an intellectually meaningful set of cognate courses.

To be accepted into the Minor program, a student must have at least a 3.0 GPA.

Certificate in Human Rights

The 24-credit Certificate in Human Rights consists of 4 core human rights courses—a 3-credit introductory course, a 3-credit internship, a 3-credit internship seminar and a 3-credit capstone seminar—plus 4 cognate courses. Students should work with the Human Rights Program adviser to put together an intellectually meaningful set of cognate courses.

To be accepted into the Certificate program, a student must have at least a 3.0 GPA.

Courses in Human Rights

Courses in Human Rights

Human Rights

**HR 20000 - Introduction to Human Rights: History, Discourse, Practice (W)**

**GER 3/B PD/D**

An introduction to the study of human rights. It explores the historical, philosophical, and legal roots of human rights as a political idea and institutionalized practice. It also addresses the contested nature of human rights as an idea and practice in contemporary societies. In addition to providing an introduction to the subject, the course is a requirement for students minoring in Human Rights or pursuing a Human Rights Certificate.

*In order to pursue a Human Rights minor or Certificate, a student must receive at least a B (3.0) in this course. Students should take this introductory course in their sophomore year but must take it no later than the first semester of their junior year.*

*This is a writing intensive course.*

**prereq:** ENGL 12000 or equivalent; one course in ethics, political philosophy, political theory, sociological theory, or permission from the instructors.

3 hrs3 cr.

fall and spring
HR 25000 - Human Rights Internship

This is a practicum course. It involves students participating in an organization that identifies its mission as the promotion of human rights. The aim of the course is to educate students in the practical dimension of translating human rights discourse and law into practice. The course is required for students seeking a Human Rights Certificate or a minor in Human Rights.

*prereq: ENGL 12000 or equivalent; HR 20000 or equivalent
3 hrs 3 cr.

HR 26000 - Human Rights Internship Seminar (W)

This course critically evaluates the role of human rights organizations and human rights practices in determining the meaning and value of human rights.

*prereq: ENGL 12000 and HR 20000
*prereq or coreq: HR 25000
3 hrs 3 cr.
*Offered spring 2012; not offered fall 2011

HR 35000 - Human Rights Capstone Seminar (W)

This course involves the theoretical examination of constitutive problems in the discourse and practice of human rights, especially as they would inform the composition of a human rights academic research project. It requires participating students to present their research projects in the seminar and to compose a 20-25 page research paper on a human rights topic.

*This course is specifically designed for students who are pursuing a Certificate in Human Rights.

*This is a writing intensive course.
*prereq or coreq: HR 26000
*Offered spring 2012; not offered fall 2011

Programs and Courses in Hunter-Bellevue School of Nursing

Hunter-Bellevue School of Nursing

About the School

Nursing education began at Hunter in 1943, when courses for registered nurses were added to its curriculum. In 1955, a four-year collegiate program that was a pioneer for its time — the Hunter College Program in Nursing — was launched. When the Bellevue School of Nursing closed in 1969, Hunter absorbed it to create the Hunter-Bellevue School of Nursing, now located at the college’s Brookdale Health Science Center at 425 East 25th Street in Manhattan, near Bellevue Hospital.

The Hunter-Bellevue School of Nursing is one of the largest and most prestigious nursing schools in the country. Recognized by the National League for Nursing (NLN) as a Center of Excellence in Nursing Education, the school’s programs combine liberal and professional education with a humanistic and comprehensive approach to health care.
Programs

The School of Nursing offers three pathways leading to the Bachelor of Science (nursing) degree. The undergraduate program has three pathways: the Generic Pathway, for those students who do not have an RN license; the RN Pathway, for those students who have completed a nursing program and have received or are about to receive a current RN license to practice professional nursing in New York State; and the Accelerated 2nd Degree Pathway, for those students who have already achieved a baccalaureate degree in another field of study and wish to transition into a nursing profession. Information on applying to all of our programs is available on our website at http://www.hunter.cuny.edu/nursing.

In earning the bachelor of science (nursing) degree, students in all pathways complete lower division (general education) and upper division (professional education) curriculum requirements. See Pathway pages below for specific program requirements.

Pathways

Nursing Generic Pathway
Nursing Accelerated 2nd Degree Pathway
Nursing RN Pathway

Nursing Course Listing

Courses for Hunter-Bellevue School of Nursing

Admission Requirements (all Programs)

Students are considered for admission to the Generic Pathway Program and Accelerated 2nd Degree Pathway Program for the fall semester only, and only after completing lower division courses. RN Pathway students are admitted for the fall semester. An overall college GPA of 3.0 in addition to other requirements is the minimum requirement for consideration of an application. Admission to the School of Nursing is competitive. A minimum grade of “C” must be maintained for all required science, mathematics, and nursing courses. Generic Pathway and Accelerated 2nd Degree Pathway students must attend during the day on a full-time basis. Only matriculated Hunter College students can apply to the Generic Pathway Program. RN Pathway students may attend during the day or evening (depending on scheduling of courses) on a full- or a part-time basis. All undergraduate nursing students are assigned a faculty member who is their academic adviser and mentor throughout the program.

Licensing and Accreditation

The Hunter-Bellevue School of Nursing is accredited by the Commission on Collegiate Nursing Education (CCNE) through June 2020. Hunter-Bellevue graduates are prepared to give first-level professional nursing care in all areas of nursing practice. Graduates from the Generic and Accelerated 2nd Degree Pathway are eligible to take the National Council Licensing Examination. A student who has been convicted of a felony or misdemeanor will have to undergo investigation by the Office of Professional Discipline, which might result in licensure being withheld. The program also provides a foundation for graduate study at the master’s level, which is also offered at the School of Nursing.

Administration and Faculty
Location:

425 East 25th St.
New York, NY 10010
Web site: http://www.hunter.cuny.edu

Joan Hansen Grabe Dean of Nursing

Gail C. McCain
5th floor Brookdale Campus West
(212)481-7596

Director of Undergraduate Programs
Generic and RN Pathways:

Catherine D'Amico
530 Brookdale Campus West
(212) 481-7598
(212) 481-4427 (fax)

Faculty

Faculty of Hunter-Bellevue School of Nursing

HEGIS Codes: 1203 (Generic); 1203.10 (RN Pathway)

Undergraduate Major

Nursing Accelerated 2nd Degree Pathway

Return to Hunter-Bellevue School of Nursing

This bachelor of science degree is designed for students who already have a baccalaureate degree in another field and wish to transition into a career in nursing. The program is intensive; students may receive a bachelor of science degree in nursing in as little as 18 months provided they have met all general education requirements and met all prerequisite requirements. The amount of time required for 2nd degree students to complete the program depends on such factors as the number of applicable transfer credits they have and the number of courses they take each semester. The Accelerated 2nd Degree Pathway is a full-time, daytime program. Accelerated 2nd Degree Pathway students cannot earn the degree in the evening.

Application Eligibility and Admission Criteria: Accelerated 2nd Degree Pathway

In order to be considered for admission into the Accelerated 2nd Degree Pathway Program, applicants must meet eligibility requirements and admission criteria. All students applying to the upper division Accelerated 2nd Degree Nursing Pathway must have a baccalaureate degree from an accredited institution with a minimum cumulative GPA of 3.0 by June 1 preceding their entrance into the program for the fall semester. Students who do not meet GPA and degree requirements are not eligible to take the National League for Nursing Pre-admission-RN Examination
Students complete all prerequisite courses (ENGL 12000, CHEM 10000 and CHEM 10100 (lab), CHEM 12000 and CHEM 12100 (lab), BIOL 12000 and BIOL 23000 including lab, PSYCH 10000 and PSYCH 15000, and STAT 11300) with a grade of “C” or better by the end of the fall semester preceding the spring application deadline. Students applying may take the last two prerequisite courses during the spring semester of the admission process. Prerequisite courses cannot be taken on a credit/no credit (CR/NC) basis. Students may not take prerequisite courses during the summer immediately preceding the fall entry into the program. Proof of successful completion of courses taken in the spring must be received by the School of Nursing by June 1; otherwise the student will be ineligible to register as a nursing major at Hunter College. Since decisions are made before the spring term is completed, applicants with grades pending will be conditionally accepted until receipt of final grades.

Acceptance of the student into the major is based on the following admission criteria: composite admission score (GPA plus score on NLN Pre-Admission-RN Examination) and completion of all admission requirements. The composite score of all students applying for admission at the same time will be rank ordered from the highest to the lowest. Students will be accepted for admission based on this ranked composite score and the completion of all other admission requirements. Additional admission requirements may be added, and students should check the latest version of admission requirements on the School of Nursing’s website (http://www.hunter.cuny.edu/nursing), or the fact sheets. Failure to meet all admission criteria will require reapplication for the following year, with no guarantee of acceptance. Students should download a current Accelerated 2nd Degree Pathway Fact Sheet, which details the admission process, from the Hunter-Bellevue School of Nursing website. The schedule of the NLN exam dates, times and locations as well as the current Accelerated 2nd Degree Pathway Fact Sheet may be obtained from the pre-health adviser at (212) 481-4773, Hunter College Student Services or the Hunter-Bellevue School of Nursing Web site, http://www.hunter.cuny.edu/nursing.

All accelerated students admitted to the program are required to submit evidence of liability insurance, health insurance, medical records with specified immunizations, and CPR certification prior to entering the first semester of the nursing major. In addition to tuition and fees, other academic year expenses for independent students include medical examination, health insurance, malpractice insurance ($100); uniforms, equipment and other miscellaneous expenses ($500); textbooks/supplies, transportation, housing, food and other personal expenses; NLN-Pre-Admission Exam-RN (current fee $70); and National Student Nurses Association annual dues ($20/year x 2yrs=$40).

**Lower Division (General Education Requirements)**

**Transfer Credits**

All students in the Accelerated Second-Degree Pathway program will receive up to 90 transfer credits from their previous BA/BS degree that will count towards the 120 credits needed to graduate to receive the Bachelor of Science degree in nursing.

Second Degree students from other colleges will have their transcripts evaluated upon admission by the Office of Admissions. Courses for which equivalency is granted need not be repeated.

Since most of the coursework will have been taken as part of the baccalaureate degree, the admissions office will evaluate the transcript and determine what still remains to be taken at the lower division.

Students entering Hunter with a BS/BA degree are required to complete the GER core, pluralism & diversity and one writing course.

**ENGL 12000 - Expository Writing**
GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

*prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.*

**STAT 11300 - Elementary Probability and Statistics**

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

*prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs 3 cr.*

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.

*Courses at the 300-level and above not offered to freshmen.*

*prereq or coreq: ENGL 12000
3 hrs 3 cr.*

-or-

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.

*Courses at the 300-level and above not offered to freshmen.*

*prereq or coreq: ENGL 12000
3 hrs 3 cr.*

-or-

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

*prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.*

**ENGL 22000 - Introduction to Literature**

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students' understanding and
appreciation of literature. Prerequisite to all English literature courses numbered above 220.

**prereq:** ENGL 12000

3 hrs + conf 3 cr.

*Or other Stage 2: Group A course

**PSYCH 10000 - Introduction to Psychology**

GER 2/B

An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

3 hrs 3 cr.

and

**PSYCH 15000 - Human Development**

GER 2/B

Development from conception to death; biological, physiological and social factors and their interactions at each stage.

**prereq:** PSYC 10000

3 hrs 3 cr.

- GER 2/C: Humanities 3 cr. (e.g., PHILO 10100, CLA 10100, or other Humanities course)
- GER 2/D: Arts 3 cr. (ARTH 11100)
- GER 2/E: Natural Sciences:

**CHEM 10000 - Essentials of General Chemistry Lecture**

GER 2/E

Essential facts, laws, and theories of general chemistry.

*Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*

4 hrs (3 lec, 1 rec) 3 cr.

**CHEM 10100 - Essentials of General Chemistry Laboratory**

GER 2/E

Experiments designed to illustrate fundamental laws and techniques of general chemistry.

*Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*

**prereq or coreq:** CHEM 10000

4 hrs (3 lab, 1 rec) 1.5 cr.

and

**CHEM 12000 - Essentials of Organic Chemistry Lecture**

GER 2/E

Course presents essential facts, laws and theories of organic chemistry.

*Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.*

**prereq:** CHEM 10000

4 hrs (3 lec, 1 rec) 3 cr.
CHEM 12100 - Essentials of Organic Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry. Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.

prereq: CHEM 10100
prereq or coreq: CHEM 12000

4 hrs (3 lab, 1 rec) 1.5 cr.

Allied Health Courses:

BIOL 12000 - Anatomy and Physiology I

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.

Not accepted for credit toward the biology major.

prereq: CHEM 10000, 10100
coreq: CHEM 12000, 12100

6 hrs (3 lec, 3 lab) 4.5 cr.

fall only

BIOL 12200 - Anatomy and Physiology II

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.

Not accepted for credit toward the biology major.

prereq: BIOL 12000 or equiv.

6 (3 hrs lec, 3 hrs lab) 4.5 cr.

spring only

• GER 3/A: Humanities, Visual or Performing Arts 3 cr.

BIOL 23000 - Fundamentals of Microbiology

GER 3/B

Topics include scope, historical aspects, taxonomy, survey of the microbial world, viruses, infectious diseases, control of microorganisms and immunology. Required for admission to the nursing program.

Not accepted for credit toward the biology Major I.

prereq: CHEM 10000, 10100, 12000, 12100 or equiv; BIOL 12000
coreq: BIOL 12200

5 hrs (2 lec, 3 lab) 3 cr.

spring only

• Pluralism and Diversity 12 cr. (P/D Groups A-D)

• Open electives 6 cr.

Total lower division credits 66

Upper Division Requirements (Major Requirements)

NURS 20000 - Introduction to Nursing

Introduction to essential theories, concepts, and values of the nursing profession. Emphasis on understanding the practice and principles of nursing. The principles of service-learning are introduced.
prereq: completion of lower-division sequence
3 hrs3 cr.
offered fall

NURS 31000 - Nursing I

Provides essential knowledge base for implementing the nursing process in the care of clients across the lifespan, with specific emphasis on the childbearing family. Principles of service-learning are applied.
prereq: completion of lower-division sequence
coreq: NURS 20000
18 hrs (4 lec, 14 lab)8 cr.
offered fall

NURS 31200 - Nursing II

Provides knowledge base for effective nursing care of clients from childhood through young adulthood. Community engagement learning experiences supporting the principles of service-learning are included.
prereq: NURS 20000, 31000, 33100
18 hrs (4 lec, 14 lab)8 cr.
offered spring

NURS 33100 - Essentials of Pharmacology

Presents essential pharmacological information for nursing care of clients of all ages.
prereq: completion of lower-division sequence
3 hrs3 cr.

NURS 33200 - Normal and Therapeutic Nutrition in the Nursing Process

Presents principles of normal and therapeutic nutrition throughout the developmental life cycle.
prereq: lower division sequence, NURS 20000, 31000
3 hrs3 cr.

NURS 34300 - Patterns of Biological Disruptions

Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span. Strongly recommended for Generic Pathway seniors.
3 hrs3 cr.

NURS 38000 - Nursing Research and Theory

Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000
prereq: for RN Pathway: NURS 37900, STAT 11300
3 hrs3 cr.

NURS 41000 - Nursing III

Provides a knowledge base for effective nursing care of middle-aged clients. Concepts and principles of service-learning are discussed and integrated into a professional practice paradigm.
prereq: NURS 20000, 31000, 31200, 33100, 33200
NURS 41200 - Nursing IV

Provides knowledge base for effective nursing care of elderly clients. Principles of service-learning are integrated into selected community experiences to promote civic engagement.

_prereq:_ NURS 41000

18 hrs (4 lec, 14 lab)

offered fall

NURS 42000 - Nursing Leadership and Management (A2DP)

Open to Accelerated 2nd Degree students only. Study of principles of nursing management, leadership and roles in health care systems.

_prereq:_ NURS 20000, 31000, 31200, 33100, 33200, 34300, 38000

_coreq:_ NURS 41200

3 hrs 3 cr.

Total Upper Division credits 50

Total minimum credits required for degree: 120

Repeating a Course

*Note:* Students who fail a core prerequisite course in a nursing sequence may not proceed to the next course in the sequence without repeating the failed course. In order to continue in the Nursing major, students must receive minimum grades of “C” in all required nursing courses. Students who receive a grade of “D” or lower, or who fail any segment of a clinical nursing course or lab will be allowed to repeat the course or segment only once. Students who fail a second required nursing course or clinical lab/segment will be dismissed from the nursing program. This policy applies even if a grade appeal is in progress. Students who fail the clinical portion of a course will receive an “F” for the entire course, regardless of the corresponding theory grade.

Leave of Absence Policy and Reserved Placement in a Clinical Course

A reserved placement in a clinical/field course will be held for the student for only one year from the date of the leave of absence. The School of Nursing cannot guarantee the placement for any longer period of time. It is the responsibility of the student to submit to the undergraduate program director a letter of intent, one semester prior to returning to the program and enrolling in the course (April 1 for a fall course). Students who fail to follow this procedure release the School of Nursing from reserving a clinical/field placement in a course for the student.

Nursing Course Listing

_Return to Hunter-Bellevue School of Nursing_
Note: Students who fail a core prerequisite course in a nursing sequence may not proceed to the next course in the sequence without repeating the failed course. In order to continue in the Nursing major, students must receive minimum grades of “C” in all required nursing courses. Only one failed required nursing course is repeatable only once by students who have received a “D” or less. Students who fail a second required nursing course in the sequence may not repeat that course and may not continue in the major. This policy applies even though a grade appeal is in progress.

Generic Pathway Courses

Nursing Generic Pathway

**NURS 20000 - Introduction to Nursing**

Introduction to essential theories, concepts, and values of the nursing profession. Emphasis on understanding the practice and principles of nursing. The principles of service-learning are introduced.

*prereq: completion of lower-division sequence*

3 hrs 3 cr.

*offered fall*

**NURS 31000 - Nursing I**

Provides essential knowledge base for implementing the nursing process in the care of clients across the lifespan, with specific emphasis on the childbearing family. Principles of service-learning are applied.

*prereq: completion of lower-division sequence, NURS 20000*

18 hrs (4 lec, 14 lab) 8 cr.

*offered fall*

**NURS 31200 - Nursing II**

Provides knowledge base for effective nursing care of clients from childhood through young adulthood. Community engagement learning experiences supporting the principles of service-learning are included.

*prereq: NURS 20000, 31000, 33100*

18 hrs (4 lec, 14 lab) 8 cr.

*offered spring*

**NURS 33100 - Essentials of Pharmacology**

Presents essential pharmacological information for nursing care of clients of all ages.

*prereq: completion of lower-division sequence*

3 hrs 3 cr.

**NURS 33200 - Normal and Therapeutic Nutrition in the Nursing Process**

Presents principles of normal and therapeutic nutrition throughout the developmental life cycle.

*prereq: lower division sequence, NURS 20000, 31000*

3 hrs 3 cr.

**NURS 38000 - Nursing Research and Theory**
Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000
prereq: for RN Pathway: NURS 37900, STAT 11300
3 hrs3 cr.

**NURS 41000 - Nursing III**

Provides a knowledge base for effective nursing care of middle-aged clients. Concepts and principles of service-learning are discussed and integrated into a professional practice paradigm.
prereq: NURS 20000, 31000, 31200, 33100, 33200
18 hrs (4 lec, 14 lab)8
offered fall

**NURS 41200 - Nursing IV**

Provides knowledge base for effective nursing care of elderly clients. Principles of service-learning are integrated into selected community experiences to promote civic engagement.
prereq: NURS 41000
18 hrs (4 lec, 14 lab)8
offered spring

**NURS 41900 - Nursing Management and Leadership in the Health Care System**

Study of principles of nursing management, leadership, and research processes in health care system.
prereq: NURS 20000, 31000, 31200, 33100, 33200
2 hrs2
offered spring

**NURS 42100 - Nursing and Society**

Analysis of issues and trends in nursing and health care from societal perspective, including opportunities for collaborative practice through service-learning.
prereq: NURS 20000, 31000, 31200, 33100, 33200, 41000, 41900
2 hrs2
offered spring

**Accelerated Second Degree Pathway Courses**

Nursing Accelerated 2nd Degree Pathway

**NURS 20000 - Introduction to Nursing**

Introduction to essential theories, concepts, and values of the nursing profession. Emphasis on understanding the practice and principles of nursing. The principles of service-learning are introduced.
prereq: completion of lower-division sequence
3 hrs3 cr.
offered fall

**NURS 31000 - Nursing I**
Provides essential knowledge base for implementing the nursing process in the care of clients across the lifespan, with specific emphasis on the childbearing family. Principles of service-learning are applied.  
prereq: completion of lower-division sequence<coreq: NURS 20000  
18 hrs (4 lec, 14 lab)8 cr.  
offered fall

**NURS 31200 - Nursing II**

Provides knowledge base for effective nursing care of clients from childhood through young adulthood. Community engagement learning experiences supporting the principles of service-learning are included.  
prereq: NURS 20000, 31000, 33100  
18 hrs (4 lec, 14 lab)8 cr.  
offered spring

**NURS 33100 - Essentials of Pharmacology**

Presents essential pharmacological information for nursing care of clients of all ages.  
prereq: completion of lower-division sequence  
3 hrs3 cr.

**NURS 33200 - Normal and Therapeutic Nutrition in the Nursing Process**

Presents principles of normal and therapeutic nutrition throughout the developmental life cycle.  
prereq: lower division sequence, NURS 20000, 31000  
3 hrs3 cr.

**NURS 34300 - Patterns of Biological Disruptions**

Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span.  
Strongly recommended for Generic Pathway seniors.  
3 hrs3 cr.

**NURS 38000 - Nursing Research and Theory**

Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000  
prereq: for RN Pathway: NURS 37900, STAT 11300  
3 hrs3 cr.

**NURS 41000 - Nursing III**

Provides a knowledge base for effective nursing care of middle-aged clients. Concepts and principles of service-learning are discussed and integrated into a professional practice paradigm.  
prereq: NURS 20000, 31000, 31200, 33100, 33200  
18 hrs (4 lec, 14 lab)8  
offered fall

**NURS 41200 - Nursing IV**

Provides knowledge base for effective nursing care of elderly clients. Principles of service-learning are integrated into selected community experiences to promote civic engagement.
prereq: NURS 41000
18 hrs (4 lec, 14 lab)8
offered spring

**NURS 42000 - Nursing Leadership and Management (A2DP)**

Open to Accelerated 2nd Degree students only. Study of principles of nursing management, leadership and roles in health care systems.

*prereq: NURS 20000, 31000, 31200, 33100, 33200, 34300, 38000
*coreq: NURS 41200
3 hrs3 cr.

**RN Pathway Courses**

Nursing RN Pathway

**NURS 37900 - Nursing and Societal Forces in the Health Care Delivery System**

Open to RN Pathway students only. This is the first course in the RN Pathway curriculum and must be taken prior to or in conjunction with other required nursing courses depending on the pre/co requisites of the courses. Exploration of health care dilemmas through the integration of knowledge from nursing, social sciences and public health. Principles of service-learning are introduced.

3 hrs3 cr.

**NURS 38000 - Nursing Research and Theory**

Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000
*prereq: for RN Pathway: NURS 37900, STAT 11300
3 hrs3 cr.

**NURS 38100 - Health Assessment Throughout the Lifespan**

Open to RN Pathway students only. Analysis of normal patterns of wellness for individual clients with emphasis on development of assessment skills.
*prereq: CHEM 100-101*prereq or coreq: NURS 379
6 hrs (3 lec, 3 lab)4.5 cr.

**NURS 38400 - Nursing Culturally Diverse Families**

PD/B
Open to RN Pathway students only. Explores the interrelationships between sociocultural factors and health care practices of families from diverse cultures as a basis for nursing practice. Principles of service-learning are reflected in the culturally competent interventions.
3 hrs3 cr.

**NURS 48000 - Promotion of Wellness in the Community**

Open to RN Pathway students only. Examination of family and community patterns as they relate to individual clients of all ages. Principles of service-learning are used in community-based clinical experiences to promote civic
NURS 48200 - Advancement of Roles and Relationships in Professional Nursing

Open to RN Pathway students only. Explores the roles and relationships in nursing with a focus on leadership as the key to the professionalism of nursing. Principles of service-learning are reflected in the ongoing development of the professional role. This is the last course in the RN Pathway Program.

prereq: NURS 37900
prereq or coreq: NURS 38000, 38100, 38400, 48000
3 hrs3 cr.

Nursing Electives

NURS 34000 - Women's Health

PD/C
Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.
3 hrs3 cr.

NURS 34200 - Ethical Issues in Nursing Practice

Open to RN Pathway and senior Generic Pathway students only. Examines ethical issues which arise from the practice of nursing in an interpersonal, professional, institutional and social context of diverse and competing values.
3 hrs3 cr.

NURS 34300 - Patterns of Biological Disruptions

Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span. Strongly recommended for Generic Pathway seniors.
3 hrs3 cr.

NURS 34500 - HIV/AIDS: An Interdisciplinary Perspective for Health Care Providers

Examines the impact of the HIV epidemic on the biological, psychological and social dimensions of persons affected by HIV/AIDS.
3 hrs3 cr.

NURS 34600 - Death and Dying

P/D B
Provides an overview of current theories, concepts, and practices associated with death, dying and end-of-life care.
3 hrs3 cr.

NURS 35000 - Independent Study in Nursing
An opportunity to explore a topic relevant to nursing which is of individual interest.

1-3 hrs 1-3 cr.

**NURS 35100 - Gender, Science and Technology**

PD/C
Explores the complex relationship between women and the sciences.
cross-listed WGS 35100
3 hrs 3 cr.

**NURS 37900 - Nursing and Societal Forces in the Health Care Delivery System**

Open to RN Pathway students only. This is the first course in the RN Pathway curriculum and must be taken prior to or in conjunction with other required nursing courses depending on the pre/co requisites of the courses. Exploration of health care dilemmas through the integration of knowledge from nursing, social sciences and public health. Principles of service learning are introduced.
3 hrs 3 cr.

**NURS 39998 - Urban Disaster Response and the Health Care Team**

Provides the student with an understanding of the causes, prevention, and mitigation of disasters and insight into the disaster management system nationally and locally. The course will include content relevant to all disciplines in the disaster care continuum and focus on each individual health care member's role and responsibilities within these systems.
3 hrs 3 cr.

**NURS 44000 - Stress Management for Nurses**

An overview of stress and its effect upon behavior within the framework of the holistic man-wellness model.
3 hrs 3 cr.

**NURS 44100 - Selected Studies in Nursing Research**

Honors course. Utilization of basic knowledge in nursing research to critique and interpret studies and discuss their relevance and application in nursing.
prereq: NURS 31000, 31200, 33100, 33200, 38000, 38100
3 hrs 3 cr.

**NURS 44200 - Nursing Care of Acute and Critically Ill Clients**

Examination of nursing knowledge and roles in caring for acute and critically ill clients and their families.
3 hrs 3 cr.

**NURS 44500 - Teaching-Learning Across the Developmental and Health Continua**

Pedagogical/androgogical principles of learning and instruction to enhance client teaching in the promotion, maintenance and/or restoration of health.
3 hrs 3 cr.

**NURS 45000 - Computer Concepts and Application in Nursing**
Study of computing concepts, principles, practices, and applications in nursing and health care.
3 hrs 3 cr.

**NURS 48300 - Politics of Health**

An analysis of the relationships between politics and health status, health services and health care providers.
3 hrs 3 cr.

**Leave of Absence Policy and Reserved Placement in a Clinical Course**

A reserved placement in a clinical/field course will be held for the student for only one year from the date of the leave of absence. The School of Nursing cannot guarantee the placement for any longer period of time. It is the responsibility of the student to submit to the undergraduate program director a letter of intent, one semester prior to returning to the program and enrolling in the course (April 1 for a fall course). Students who fail to follow this procedure release the School of Nursing from reserving a clinical/field placement in a course for the student.

**Nursing Generic Pathway**

Return to Hunter-Bellevue School of Nursing

**Application Eligibility and Admission Criteria: Generic Pathway**

*Note: Students with a baccalaureate degree in another field may be interested in our Nursing Accelerated 2nd Degree Pathway.*

The program is designed to be completed in four academic years by students who are admitted with no college credit and who attend full-time. How long it takes transfer students to complete the program depends on such factors as the number of applicable transfer credits they have and the number of courses they take each semester. Generic Pathway students cannot earn the degree in the evening. Part-time attendance may result in the student’s losing the pace of the upper division sequence and having to wait a year for a required course. The Generic Pathway is a full-time, daytime program.

In order to be considered for admission into the Generic Pathway Program, applicants must meet eligibility requirements and admission criteria. All students applying to the upper division Generic Nursing Pathway must have a college GPA of 3.0 or above by the end of the fall semester preceding spring application. Students who do not meet this GPA requirement are not eligible to take the National League for Nursing Pre-admission-RN Examination (administered in February of the spring application semester - current fee $70) and are not eligible to apply for admission to the nursing major.

Students must complete 60 credits prior to beginning upper division nursing courses. All applicants must complete all prerequisite courses (ENGL 12000, CHEM 10000 and CHEM 10100 (lab), CHEM 12000 and CHEM 12100 (lab), BIOL 12000 and (lab), BIOL 23000 including lab, PSYCH 10000 and PSYCH 15000, and STAT 11300 ) with a grade of “C” or better by the end of the fall semester preceding the spring application deadline. Students applying may take the last two prerequisite courses during the spring semester of the admission process. Prerequisite courses cannot be taken on a credit/no credit (CR/NC) basis. Proof of successful completion of courses taken in the spring must be received by the School of Nursing by June 1; otherwise the student will be ineligible to register as a nursing major at Hunter College. Since decisions are made before the spring term is completed, applicants with grades pending will be conditionally accepted until receipt of final grades.
Acceptance of the student into the major is based on the following admission criteria: composite admission score (GPA plus score on NLN Pre-Admission RN Examination) and completion of all admission requirements. The composite score of all students applying for admission at the same time will be rank ordered from the highest to the lowest. Students will be accepted for admission based on this ranked composite score and the completion of all other admission requirements. Additional admission requirements may be added, and students should check the latest version of admission requirements on the School of Nursing’s website www.hunter.cuny.edu/nursing or the fact sheets. Failure to meet all admission criteria will require reapplication for the following year, with no guarantee of acceptance. Students should download a current Generic Pathway Fact Sheet, which details the admission process, from the School of Nursing website. The schedule of the NLN exam dates, times and locations as well as the current Generic Pathway Fact Sheet may be obtained from the pre-health adviser at (212) 481-4773, Hunter College Student Services or the Hunter-Bellevue School of Nursing Web site, http://www.hunter.cuny.edu/nursing.

All generic students admitted to the program are required to submit evidence of liability insurance, health insurance, medical records with specified immunizations, and CPR certification prior to entering the first semester of the nursing major. In addition to tuition and fees, other academic year expenses for independent students include medical examination, health insurance, malpractice insurance ($100); uniforms, equipment and other miscellaneous expenses ($500); textbooks/supplies, transportation, housing, food and other personal expenses; NLN-Pre-Admission Exam-RN (current fee $70); and National Student Nurses Association annual dues ($20/year x 2yrs = $40).

Lower Division (General Education Requirements)

Students entering Hunter with an AA, AS/BA, BS degree are required to complete GER Core, Pluralism and Diversity, and one writing intensive course. Transfer students will have their transcripts evaluated upon admission by the admissions office. Courses for which equivalency is granted need not be repeated. Some courses already taken may be used to satisfy GER Core requirements.

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.

STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs 3 cr.

HIST 15100 - The United States from the Colonial Era to the Civil War (W)

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War.
Courses at the 300-level and above not offered to freshmen.

**ENGL 12000**
3 hrs 3 cr.

or

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

**ENGL 22000 - Introduction to Literature**

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students’ understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.

**PSYCH 10000 - Introduction to Psychology**

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

**PSYCH 15000 - Human Development**

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.

- Humanities 3 cr. (e.g., PHILO 10100, CLA 10100, or other Humanities course)
- Arts 3 cr. (e.g., ARTH 11100)
GER 2/E: Natural Sciences Courses:

**CHEM 10000 - Essentials of General Chemistry Lecture**

GER 2/E  
Essential facts, laws, and theories of general chemistry.  
*Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*  
4 hrs (3 lec, 1 rec) 3 cr.

**CHEM 10100 - Essentials of General Chemistry Laboratory**

GER 2/E  
Experiments designed to illustrate fundamental laws and techniques of general chemistry.  
*Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.*  
prereq or coreq: CHEM 10000  
4 hrs (3 lab, 1 rec) 1.5 cr.

**CHEM 12000 - Essentials of Organic Chemistry Lecture**

GER 2/E  
Course presents essential facts, laws and theories of organic chemistry.  
*Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.*  
prereq: CHEM 10000  
4 hrs (3 lec, 1 rec) 3 cr.

**CHEM 12100 - Essentials of Organic Chemistry Laboratory**

GER 2/E  
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.  
*Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.*  
prereq: CHEM 10100prereq or coreq: CHEM 12000  
4 hrs (3 lab, 1 rec) 1.5 cr.

**Allied Health Courses:**

**BIOL 12000 - Anatomy and Physiology I**

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.  
*Not accepted for credit toward the biology major.*  
prereq: CHEM 10000, 10100coreq: CHEM 12000, 12100  
6 hrs (3 lec, 3 lab) 4.5 cr.

**BIOL 12200 - Anatomy and Physiology II**
Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.

*Not accepted for credit toward the biology major.*

**prereq:** BIOL 12000 or equiv.

6 (3 hrs lec, 3 hrs lab) 4.5 cr.

*spring only*

- GER 3/A: Humanities, Visual or Performing Arts 3 cr.

**BIOL 23000 - Fundamentals of Microbiology**

**GER 3/B**

Topics include scope, historical aspects, taxonomy, survey of the microbial world, viruses, infectious diseases, control of microorganisms and immunology. Required for admission to the nursing program.

*Not accepted for credit toward the biology Major.*

**prereq:** CHEM 10000, 10100, 12000, 12100 or equiv; BIOL 12000

**coreq:** BIOL 12200

5 hrs (2 lec, 3 lab) 3 cr.

*spring only*

- Pluralism and Diversity 12.0 cr.
- Open Electives 6 cr.

Total lower division credits: 66

**Upper Division Curriculum**

**NURS 20000 - Introduction to Nursing**

Introduction to essential theories, concepts, and values of the nursing profession. Emphasis on understanding the practice and principles of nursing. The principles of service-learning are introduced.

**prereq:** completion of lower-division sequence

3 hrs 3 cr.

*offered fall*

**NURS 31000 - Nursing I**

Provides essential knowledge base for implementing the nursing process in the care of clients across the lifespan, with specific emphasis on the childbearing family. Principles of service-learning are applied.

**prereq:** completion of lower-division sequence

**coreq:** NURS 20000

18 hrs (4 lec, 14 lab) 8 cr.

*offered fall*

**NURS 33100 - Essentials of Pharmacology**

Presents essential pharmacological information for nursing care of clients of all ages.

**prereq:** completion of lower-division sequence

3 hrs 3 cr.

**NURS 31200 - Nursing II**
Provides knowledge base for effective nursing care of clients from childhood through young adulthood. Community engagement learning experiences supporting the principles of service-learning are included.

**prereq:** NURS 20000, 31000, 33100

18 hrs (4 lec, 14 lab)8 cr.

**offered spring**

**NURS 33200 - Normal and Therapeutic Nutrition in the Nursing Process**

Presents principles of normal and therapeutic nutrition throughout the developmental life cycle.

**prereq:** lower division sequence, NURS 20000, 31000

3 hrs3 cr.

**NURS 38000 - Nursing Research and Theory**

Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000

**prereq:** for RN Pathway: NURS 37900, STAT 11300

3 hrs3 cr.

**NURS 41000 - Nursing III**

Provides a knowledge base for effective nursing care of middle-aged clients. Concepts and principles of service-learning are discussed and integrated into a professional practice paradigm.

**prereq:** NURS 20000, 31000, 31200, 33100, 33200

18 hrs (4 lec, 14 lab)8

**offered fall**

**NURS 41200 - Nursing IV**

Provides knowledge base for effective nursing care of elderly clients. Principles of service-learning are integrated into selected community experiences to promote civic engagement.

**prereq:** NURS 41000

18 hrs (4 lec, 14 lab)8

**offered spring**

**NURS 41900 - Nursing Management and Leadership in the Health Care System**

Study of principles of nursing management, leadership, and research processes in health care system.

**prereq:** NURS 20000, 31000, 31200, 33100, 33200

2 hrs2

**offered spring**

**NURS 42100 - Nursing and Society**

Analysis of issues and trends in nursing and health care from societal perspective, including opportunities for collaborative practice through service-learning.

**prereq:** NURS 20000, 31000, 31200, 33100, 33200, 41000, 41900

2 hrs2

**offered spring**

Hunter nursing electives (6 cr.)
Six credits from the following courses:

**NURS 34000 - Women's Health**

PD/C
Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.
3 hrs3 cr.

**NURS 34200 - Ethical Issues in Nursing Practice**

Open to RN Pathway and senior Generic Pathway students only. Examines ethical issues which arise from the practice of nursing in an interpersonal, professional, institutional and social context of diverse and competing values.
3 hrs3 cr.

**NURS 34300 - Patterns of Biological Disruptions**

Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span. Strongly recommended for Generic Pathway seniors.
3 hrs3 cr.

**NURS 34500 - HIV/AIDS: An Interdisciplinary Perspective for Health Care Providers**

Examines the impact of the HIV epidemic on the biological, psychological and social dimensions of persons affected by HIV/AIDS.
3 hrs3 cr.

**NURS 34600 - Death and Dying**

P/D B
Provides an overview of current theories, concepts, and practices associated with death, dying and end-of-life care.
3 hrs3 cr.

**NURS 35000 - Independent Study in Nursing**

An opportunity to explore a topic relevant to nursing which is of individual interest.
1-3 hrs1-3 cr.

**NURS 35100 - Gender, Science and Technology**

PD/C
Explores the complex relationship between women and the sciences.
cross-listed WGS 35100
3 hrs3 cr.

**NURS 37900 - Nursing and Societal Forces in the Health Care Delivery System**
Open to RN Pathway students only. This is the first course in the RN Pathway curriculum and must be taken prior to or in conjunction with other required nursing courses depending on the pre/co requisites of the courses. Exploration of health care dilemmas through the integration of knowledge from nursing, social sciences and public health. Principles of service-learning are introduced.
3 hrs3 cr.

**NURS 39998 - Urban Disaster Response and the Health Care Team**

Provides the student with an understanding of the causes, prevention, and mitigation of disasters and insight into the disaster management system nationally and locally. The course will include content relevant to all disciplines in the disaster care continuum and focus on each individual health care member's role and responsibilities within these systems.
3 hrs3 cr.

**NURS 44000 - Stress Management for Nurses**

An overview of stress and its effect upon behavior within the framework of the holistic man-wellness model.
3 hrs3 cr.

**NURS 44100 - Selected Studies in Nursing Research**

Honors course. Utilization of basic knowledge in nursing research to critique and interpret studies and discuss their relevance and application in nursing.
prereq: NURS 31000, 31200, 33100, 33200, 38000, 38100
3 hrs3 cr.

**NURS 44200 - Nursing Care of Acute and Critically Ill Clients**

Examination of nursing knowledge and roles in caring for acute and critically ill clients and their families.
3 hrs3 cr.

**NURS 44500 - Teaching-Learning Across the Developmental and Health Continua**

Pedagogical/androgogical principles of learning and instruction to enhance client teaching in the promotion, maintenance and/or restoration of health.
3 hrs3 cr.

**NURS 45000 - Computer Concepts and Application in Nursing**

Study of computing concepts, principles, practices, and applications in nursing and health care.
3 hrs3 cr.

**NURS 48300 - Politics of Health**

An analysis of the relationships between politics and health status, health services and health care providers.
3 hrs3 cr.

Total upper division credits 54
Total for degree 120

Repeating a Course

*Note: Students who fail a core prerequisite course in a nursing sequence may not proceed to the next course in the sequence without repeating the failed course. In order to continue in the Nursing major, students must receive minimum grades of “C” in all required nursing courses. Students who receive a grade of “D” or lower, or who fail any segment of a clinical nursing course or lab will be allowed to repeat the course or segment only once. Students who fail a second required nursing course or clinical lab/segment will be dismissed from the nursing program. This policy applies even if a grade appeal is in progress. Students who fail the clinical portion of a course will receive an “F” for the entire course, regardless of the corresponding theory grade.*

Leave of Absence Policy and Reserved Placement in a Clinical Course

*A reserved placement in a clinical/field course will be held for the student for only one year from the date of the leave of absence. The School of Nursing cannot guarantee the placement for any longer period of time. It is the responsibility of the student to submit to the undergraduate program director a letter of intent, one semester prior to returning to the program and enrolling in the course (April 1 for a fall course). Students who fail to follow this procedure release the School of Nursing from reserving a clinical/field placement in a course for the student.*

Nursing RN Pathway

Return to Hunter-Bellevue School of Nursing

Admission Criteria: RN Pathway Program

The program is designed to meet the special needs of the experienced RN student who has already completed a two- or three-year nursing program. All RN Pathway students admitted to the program are required to submit evidence of NYS RN licensure and current registration, liability insurance, health insurance, medical records with specified immunizations and CPR certification prior to entering the first semester of the nursing major.

Students awaiting their State Board licensing examination scores who have not yet been awarded the Registered Professional Nurse License are admitted conditionally. Proof of receipt of the RN license must be submitted to the Hunter-Bellevue School of Nursing by December 1 for students admitted in the fall. Students unable to document receiving the license will not be permitted to continue in the nursing major. Applicants to the RN Pathway Program must have completed 36 credits of liberal arts and sciences (including credits in progress) at an accredited college, plus the equivalent of 24 credits in nursing.

A maximum of 24 credits may be transferred for credit in the nursing curriculum upper division. CUNY, SUNY and other accredited colleges' transfer RN students will be granted 24 nursing credits for advanced placement.

Students should download a current RN Pathway Fact Sheet, which details the admission process, from the Hunter-Bellevue School of Nursing website at http://www.hunter.cuny.edu/nursing.

Lower Division (General Education Requirements)
Students entering Hunter with an AAS degree are required to complete Core, Pluralism and Diversity, and one writing course. Transfer students will have their transcripts evaluated upon admission by the admissions office. Courses for which equivalency is granted need not be repeated. Some courses already taken may be used to satisfy Core requirements.

**ENGL 12000 - Expository Writing**

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

*prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.*

**STAT 11300 - Elementary Probability and Statistics**

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

*prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs 3 cr.*

or

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present.

*Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.*

or

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

*prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.*

**ENGL 22000 - Introduction to Literature**

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students' understanding and
appreciation of literature. Prerequisite to all English literature courses numbered above 220.

*prereq: ENGL 12000
3 hrs + conf 3 cr.

or other Stage 2: Group A course

**PSYCH 10000 - Introduction to Psychology**

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

3 hrs 3 cr.

and

**PSYCH 15000 - Human Development**

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.

*prereq: PSYC 10000
3 hrs 3 cr.

\- GER 2/C: Humanities 3 cr. (e.g., PHILO 10100, CLA 10100, or other Humanities course)
\- GER 2/D: Arts 3 cr. (e.g., ARTH 11100)
\- 2/E: Natural Sciences*

**CHEM 10000 - Essentials of General Chemistry Lecture**

GER 2/E
Essential facts, laws, and theories of general chemistry.

*Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.

4 hrs (3 lec, 1 rec) 3 cr.

**CHEM 10100 - Essentials of General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.

*Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.

*prereq or coreq: CHEM 10000

4 hrs (3 lab, 1 rec) 1.5 cr.

*Plus an additional 12.5 cr. in other science or math courses

\- GER 3/A: Humanities, Visual or Performing Arts 3 cr.
\- GER 3/B: Social Science or Natural Science/Mathematics course 3 cr.
\- Pluralism and Diversity 12 cr. (P/D Groups A-D)
\- Additional courses will be required to meet the 120 credits needed for graduation. See your advisor. 22.5 cr.

Total lower division credits: 66

Upper Division (Major Requirements)
Students partially fulfill the major requirements with 24 credits of nursing, awarded through Regents College Exams or by having a CUNY or other regionally accredited associate degree in nursing. The remaining major courses and nine credits of electives are completed at Hunter:

**NURS 37900 - Nursing and Societal Forces in the Health Care Delivery System**

Open to RN Pathway students only. This is the first course in the RN Pathway curriculum and must be taken prior to or in conjunction with other required nursing courses depending on the pre/co requisites of the courses. Exploration of health care dilemmas through the integration of knowledge from nursing, social sciences and public health. Principles of service-learning are introduced.
3 hrs3 cr.

**NURS 38400 - Nursing Culturally Diverse Families**

PD/B
Open to RN Pathway students only. Explores the interrelationships between sociocultural factors and health care practices of families from diverse cultures as a basis for nursing practice. Principles of service-learning are reflected in the culturally competent interventions.
3 hrs3 cr.

**Meets Pluralism and Diversity Requirement/Group B. Only open to nursing majors.**

**NURS 38100 - Health Assessment Throughout the Lifespan**

Open to RN Pathway students only. Analysis of normal patterns of wellness for individual clients with emphasis on development of assessment skills.
prereq: CHEM 100-101prereq or coreq: NURS 379
6 hrs (3 lec, 3 lab)4.5 cr.

**NURS 38000 - Nursing Research and Theory**

Introduction to theory development and research in nursing. for Generic Pathway: NURS 20000, 31000
prereq: for RN Pathway: NURS 37900, STAT 11300
3 hrs3 cr.

**NURS 48000 - Promotion of Wellness in the Community**

Open to RN Pathway students only. Examination of family and community patterns as they relate to individual clients of all ages. Principles of service-learning are used in community-based clinical experiences to promote civic engagement.
prereq: NURS 37900, 38100, 38400
7.5 hrs (3 lec, 4.5 practicum)4.5 cr.

**NURS 48200 - Advancement of Roles and Relationships in Professional Nursing**

Open to RN Pathway students only. Explores the roles and relationships in nursing with a focus on leadership as the key to the professionalism of nursing. Principles of service-learning are reflected in the ongoing development of the professional role. This is the last course in the RN Pathway Program.
prereq: NURS 37900prereq or coreq: NURS 38000, 38100, 38400, 48000
3 hrs3 cr.
Hunter nursing electives (9 cr.)

Nine credits from the following courses:

**NURS 34000 - Women's Health**

PD/C
Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.
3 hrs 3 cr.

**NURS 34200 - Ethical Issues in Nursing Practice**

Open to RN Pathway and senior Generic Pathway students only. Examines ethical issues which arise from the practice of nursing in an interpersonal, professional, institutional and social context of diverse and competing values.
3 hrs 3 cr.

**NURS 34300 - Patterns of Biological Disruptions**

Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span. Strongly recommended for Generic Pathway seniors.
3 hrs 3 cr.

**NURS 34500 - HIV/AIDS: An Interdisciplinary Perspective for Health Care Providers**

Examines the impact of the HIV epidemic on the biological, psychological and social dimensions of persons affected by HIV/AIDS.
3 hrs 3 cr.

**NURS 34600 - Death and Dying**

P/D B
Provides an overview of current theories, concepts, and practices associated with death, dying and end-of-life care.
3 hrs 3 cr.

**NURS 35000 - Independent Study in Nursing**

An opportunity to explore a topic relevant to nursing which is of individual interest.
1-3 hrs 1-3 cr.

**NURS 35100 - Gender, Science and Technology**

PD/C
Explores the complex relationship between women and the sciences.
cross-listed WGS 35100
3 hrs 3 cr.

**NURS 37900 - Nursing and Societal Forces in the Health Care Delivery System**
Open to RN Pathway students only. This is the first course in the RN Pathway curriculum and must be taken prior to or in conjunction with other required nursing courses depending on the pre/co requisites of the courses. Exploration of health care dilemmas through the integration of knowledge from nursing, social sciences and public health. Principles of service-learning are introduced. 3 hrs 3 cr.

**NURS 39998 - Urban Disaster Response and the Health Care Team**

Provides the student with an understanding of the causes, prevention, and mitigation of disasters and insight into the disaster management system nationally and locally. The course will include content relevant to all disciplines in the disaster care continuum and focus on each individual health care member's role and responsibilities within these systems. 3 hrs 3 cr.

**NURS 44000 - Stress Management for Nurses**

An overview of stress and its effect upon behavior within the framework of the holistic man-wellness model. 3 hrs 3 cr.

**NURS 44100 - Selected Studies in Nursing Research**

Honors course. Utilization of basic knowledge in nursing research to critique and interpret studies and discuss their relevance and application in nursing.  
*prereq: NURS 31000, 31200, 33100, 33200, 38000, 38100*  
3 hrs 3 cr.

**NURS 44200 - Nursing Care of Acute and Critically Ill Clients**

Examination of nursing knowledge and roles in caring for acute and critically ill clients and their families. 3 hrs 3 cr.

**NURS 44500 - Teaching-Learning Across the Developmental and Health Continua**

Pedagogical/androgogical principles of learning and instruction to enhance client teaching in the promotion, maintenance and/or restoration of health. 3 hrs 3 cr.

**NURS 45000 - Computer Concepts and Application in Nursing**

Study of computing concepts, principles, practices, and applications in nursing and health care. 3 hrs 3 cr.

**NURS 48300 - Politics of Health**

An analysis of the relationships between politics and health status, health services and health care providers. 3 hrs 3 cr.

The following nursing courses meet pluralism and diversity:
All courses used to satisfy Pluralism and Diversity requirements may simultaneously meet a student’s core requirements or the courses necessary for a major or minor area of study.

Group B

**NURS 38400 - Nursing Culturally Diverse Families**

PD/B  
Open to RN Pathway students only. Explores the interrelationships between sociocultural factors and health care practices of families from diverse cultures as a basis for nursing practice. Principles of service-learning are reflected in the culturally competent interventions.

3 hrs 3 cr.

Group C

**NURS 34000 - Women's Health**

PD/C  
Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.

3 hrs 3 cr.

**NURS 35100 - Gender, Science and Technology**

PD/C  
Explores the complex relationship between women and the sciences.

*cross-listed WGS 35100*

3 hrs 3 cr.

**WGS 35100 - Gender, Science, and Technology**

PD/C  
Explores the complex relationship among gender, science, and technology.

*cross-listed (Cross-listed with NURS 35100.)*

*prereq: ENGL 12000, at least one science course at the 100 level*

3 hrs 3 cr.

Total upper division credits: 54

Total minimum credits required for degree: 120

Repeating a Course

*Note: Students who fail a core prerequisite course in a nursing sequence may not proceed to the next course in the sequence without repeating the failed course. In order to continue in the Nursing major, students must receive minimum grades of “C” in all required nursing courses. Students who receive a grade of “D” or lower, or who fail any segment of a clinical nursing course or lab will be allowed to repeat the course or segment only once. Students who fail a second required nursing course or clinical lab/segment will be dismissed from the nursing program. This*
policy applies even if a grade appeal is in progress. Students who fail the clinical portion of a course will receive an "F" for the entire course, regardless of the corresponding theory grade.

Leave of Absence Policy and Reserved Placement in a Clinical Course

A reserved placement in a clinical/field course will be held for the student for only one year from the date of the leave of absence. The School of Nursing cannot guarantee the placement for any longer period of time. It is the responsibility of the student to submit to the undergraduate program director a letter of intent, one semester prior to returning to the program and enrolling in the course (April 1 for a fall course). Students who fail to follow this procedure release the School of Nursing from reserving a clinical/field placement in a course for the student.

Requirements

Nursing General Education Requirements

I. Generic and Accelerated Pathway General Education Requirements and Nursing Major Sequence

Lower Division General Education Requirements (66 credits):

Stage 1: Academic Foundations (9 credits)

Group A 3 cr.

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.

Group B 3 cr.

STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.
prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs 3 cr.

(prereq. MATH 10100 or appropriate score on COMPASS)

Group C 3 cr.

**HIST 15100 - The United States from the Colonial Era to the Civil War (W)**

GER 1/C or 2/B
American political, social and cultural history from the time of the European settlements to the Civil War. Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

-or-

**HIST 15200 - The United States from the Civil War Era to the Present (W)**

GER 1/C or 2/B
American political, social and cultural history from the Civil War to the present. Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

-or-

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.
prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

Stage 2: Broad Exposure (24 credits)

Group A Survey of Literature Written in English 6 cr.

**ENGL 22000 - Introduction to Literature**

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students’ understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.
prereq: ENGL 12000
3 hrs + conf 3 cr.

Group B Social Science: People and their Societies 6 cr.
Students accepted into the Nursing Program who are required to take PSYCH 10000 and PSYCH 15000 may use these courses to satisfy Stage 2/B of the General Education Requirement.

**PSYCH 10000 - Introduction to Psychology**

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs 3 cr.

**PSYCH 15000 - Human Development**

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.
Prereq: PSYC 10000
3 hrs 3 cr.

Group C Humanities: Culture and Ideas: Literature, Philosophy, Classics 3 cr.

Group D Visual and Performing Arts: Media, Art, Dance, Film, Music, Theatre 3 cr.

Group E Natural Science 9 cr.

**CHEM 10000 - Essentials of General Chemistry Lecture**

GER 2/E
Essential facts, laws, and theories of general chemistry.
Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
4 hrs (3 lec, 1 rec) 3 cr.

**CHEM 10100 - Essentials of General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
Prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec) 1.5 cr.

**CHEM 12000 - Essentials of Organic Chemistry Lecture**

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
CHEM 12100 - Essentials of Organic Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry. Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students. 
prereq: CHEM 10100prereq or coreq: CHEM 12000
4 hrs (3 lab, 1 rec)1.5 cr.

Stage 3: Focused Exposure

Group A Humanities or Visual and Performing Arts 3 cr.

Group B Social Science or Natural Science/Mathematics

BIOL 23000 - Fundamentals of Microbiology

GER 3/B
Topics include scope, historical aspects, taxonomy, survey of the microbial world, viruses, infectious diseases, control of microorganisms and immunology. Required for admission to the nursing program. Not accepted for credit toward the biology Major I.
prereq: CHEM 10000, 10100, 12000, 12100 or equiv; BIOL 12000coreq: BIOL 12200
5 hrs (2 lec, 3 lab)3 cr.

Foreign Language Requirement

Exempt

Pluralism and Diversity Requirement 12 cr.

Group A 3 cr.

Non-European societies

Group B

Cultures in the USA

Group C

Women and/or issues of gender or sexual orientation

Group D
Europe

Writing Requirement

Up to 3 courses in significant writing (“W” designated courses)

Additional Required Courses: 9 cr.

BIOL 12000 - Anatomy and Physiology I

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.

*Not accepted for credit toward the biology major.*

prereq: CHEM 10000, 10100 coreq: CHEM 12000, 12100

6 hrs (3 lec, 3 lab) 4.5 cr.

fall only

BIOL 12200 - Anatomy and Physiology II

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.

*Not accepted for credit toward the biology major.*

prereq: BIOL 12000 or equiv.

6 (3 hrs lec, 3 hrs lab) 4.5 cr.

spring only

Open electives: 6 cr.

Total GER, other required courses and open electives 66 cr.

II RN Pathway

Lower- and Upper-Division Course Requirements

Transfer students from other colleges will have their transcripts evaluated upon admission by the Office of Admissions. Courses for which equivalency is granted need not be repeated.

Lower Division

Since most of this coursework will have been taken as part of the associate degree/RN program, the admissions office will evaluate the transcript and determine what still remains to be taken at the lower division.

Students entering Hunter with an RN/AAS degree are required to complete the core, pluralism and diversity and one writing course. Core courses required are:

ENGL 12000 - Expository Writing
GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.

*prereq: successful completion of developmental courses, if required
3 hrs + conf3 cr.

**STAT 11300 - Elementary Probability and Statistics**

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

*prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs3 cr.

- US History

**ENGL 22000 - Introduction to Literature**

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students' understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.

*prereq: ENGL 12000
3 hrs + conf3 cr.

**PSYCH 10000 - Introduction to Psychology**

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

3 hrs3 cr.

**PSYCH 15000 - Human Development**

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.

*prereq: PSYC 10000
3 hrs3 cr.

**CHEM 10000 - Essentials of General Chemistry Lecture**

GER 2/E
Essential facts, laws, and theories of general chemistry.

*Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and
food science and community health education students.
4 hrs (3 lec, 1 rec) 3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec) 1.5 cr.

The following courses meet pluralism and diversity:

NURS 38400 - Nursing Culturally Diverse Families

PD/B
Open to RN Pathway students only. Explores the interrelationships between sociocultural factors and health care practices of families from diverse cultures as a basis for nursing practice. Principles of service-learning are reflected in the culturally competent interventions.
3 hrs 3 cr.

NURS 34000 - Women's Health

PD/C
Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.
3 hrs 3 cr.

NURS 35100 - Gender, Science and Technology

PD/C
Explores the complex relationship between women and the sciences.
cross-listed WGS 35100
3 hrs 3 cr.

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Programs and Courses in Latin American & Caribbean Studies

Latin American and Caribbean Studies

About the Program
Latin American and Caribbean Studies is an interdisciplinary program that offers students the opportunity to learn about the history, culture, politics, society, and political economy of the region and its relations with the United States. The LACS program has been able to develop an innovative outreach program with Afro-Latino and Caribbean non-governmental organizations (NGOs) in New York City and throughout the Latin American and Caribbean region. In collaboration with the Hunter College Study Abroad Office, the program offers a January semester abroad program with Universidade Salvador-UNIFACS in Bahia, Brazil. The course is taught in English and is titled “Reconstructing a Racial Identity.”

**Programs and Courses**

Programs and Courses in Latin American & Caribbean Studies

**Administration and Faculty**

Program Office:

1716 West  
(212) 772-5680  
Web site: http://www.hunter.cuny.edu/lacsp

Acting Director:

Roblin Meeks  
816 East  
(212)-650-3045  
roblin.meeks@hunter.cuny.edu

**Faculty**

Latin American and Carribean Studies Faculty

HEGIS Code: 0308

**Undergraduate Major**

**Latin American and Caribbean Studies - BA**

The specialization in Latin American and Caribbean Studies as a major leading to a BA degree consists of 24 credits. The core courses for the major are drawn from the social sciences, humanities, and arts. Students select courses for the major in consultation with the program’s director or with a member of the Latin American and Caribbean Studies Faculty Advisory Committee.

The interdisciplinary specialization of the major will serve graduates well, whether they choose to seek employment in public or private organizations, pursue professional degrees, or go on to a graduate degree in the social sciences or humanities.
**Language Requirement**

Latin American and Caribbean Studies majors are required to demonstrate a reading knowledge of Spanish, Portuguese, or French, fulfilled at least one semester before graduation from the college.

**Course Requirements for the Major**

LACS students are required to take either LACS 33000 (a field course for students to study or intern in the region or intern in an institution in the New York area) or LACS 43400 (a course that comprises preparation of a major original research paper to be developed in close association with a mentor from the Latin American and Caribbean Studies Faculty Advisory Committee). ENGL 12000 is a prerequisite for program courses.

**LACS 33000 - Latin America and the Caribbean Field Course/Internship**

A field course for students to study in the region or who are interning in an institution either in the New York area or in the region. Major research paper based on field or internship experience.

*3 cr.*

**LACS 43400 - Seminar in Latin American and Caribbean Studies**

Open to sophomores, juniors, and seniors who have completed at least 18 credits in LACS or have instructor permission. Interdisciplinary reading, research, and discussion of selected topics involving cultural, economic, political, and social problems. Research paper required. May be repeated for a maximum of 6 edits.

*3 cr.*

**Departmental Honors**

LACS majors with a GPA above 3.5 are eligible to receive the Lily Mage Award.

**CR/NC Policy**

No CR/NC grades will be accepted in courses to meet LACS major requirements.

**Teaching**

In addition to its distinguished regular Hunter faculty, LACS offers students courses by excellent adjunct faculty such as Dr. Marta Moreno Vega, Director of the Caribbean Cultural Center, producer of the documentary film When the Spirits Dance Mambo, as well as invited specialists on Latin American and Caribbean theatre, Haitian and Dominican literature and the political economy of the Caribbean and Latin America.

**Mentoring**

Faculty mentoring is very important to the LACS Program. Majors should maintain regular contact with their mentors/advisers.

**Study Abroad**
Study abroad is encouraged for LACS majors. Apart from the new Bahia, Brazil course, LACS students have studied in Hunter’s programs in Arequipa and Cuzco, Peru and Mar del Plata, Argentina.

Course Offerings for LACS

Course Offerings in LACS from Other Departments

Africana and Puerto Rican/Latino Courses

Courses from Africana and Puerto Rican Studies Department

AFPRL 10200 - Latino Communities in the United States

GER 2/B PD/B
Migration, ethnicity, community life and public policy issues of Latino groups compared to the Puerto Rican experience.
3 hrs 3 cr.

AFPRL 10300 - Conquest and Resistance: Puerto Rican Experiences in Comparative Perspective

GER 2/B PD/B
Introductory study of the Puerto Rican experience compared with experiences of Native and African Americans, Chicanos and Pacific Island peoples in the territorial expansion of the United States.
3 hrs 3 cr.

AFPRL 21000 - Introduction to Caribbean History: 1900 - Present

GER 2/B PD/A
Introduction to the major themes in Caribbean history after 1900.
prereq: ENGL 12000
3 hrs 3 cr.

AFPRL 23700 - African Caribbean Literature (W)

GER 2/A PD/A or B
Introduction to the historical development and major artistic preoccupations of Caribbean literature. The course is conducted in English; all course requirements are in English.
prereq: ENGL 12000
3 hrs 3 cr.

AFPRL 24100 - Puerto Rican History to 1897

GER 2/B PD/A
An examination of Taino society, Spanish colonialism, slave economy and the development of nationhood in the 19th century.
3 hrs 3 cr.

AFPRL 24200 - Puerto Rican History Since 1898
GER 2/B PD/A
Sociohistorical, political and economic analysis of Puerto Rico dating from the U.S. invasion to the present.
3 hrs3 cr.

**AFPRL 24300 - Puerto Rican Culture**

GER 2/C PD/A or B
General study of Puerto Rican culture and ethnic mixtures that went into making of that culture.
3 hrs3 cr.

**AFPRL 24400 - Puerto Ricans in the United States**

GER 2/B PD/B
Survey of the origins, contemporary and future development of Puerto Ricans in the United States.
3 hrs3 cr.

**AFPRL 25500 - Puerto Rican/Latino Children in North American Schools**

PD/B
Survey of educational system viewed as an acculturating institution.
3 hrs3 cr.

**AFPRL 29000 - Selected Topics in Africana and Puerto Rican/Latino Studies**

PD/A or B
Topics change according to instructor.
3 hrs3 cr.

**AFPRL 30800 - Contemporary International Relations of the African-Caribbean (W)**

GER 3/B
Examination of the use of foreign policy for economic development in the Caribbean and as an instrument of transformation.
prereq: AFPRL 20700 or 21000 or perm instr.
3 hrs3 cr.

**AFPRL 31900 - Women in the African Diaspora (W)**

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance and in sustaining African culture and values.
cross-listed WGS 32900 (W)
prereq: AFPRL 20400 or 20900 or 21000 or perm instr.
3 hrs3 cr.

**AFPRL 32000 - African-Caribbean Culture (W)**

GER 3/A PD/A or B
AFPRL 33700 - Caribbean Women Writers (W)

GER 3/A
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, creolization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.

cross-listed WGS 33700 (W)
prereq: AFPRL 23600 or 23700 or ENGL 22000 or WGS 10000
3 hrs3 cr.

AFPRL 35600 - Latino Literature in English (W)

GER 3/A PD/B
Latino writing in English in the U.S.; analysis of cultural, linguistic and ideological factors as found in the work of such authors as Sandra Cisneros (Chicana), Pedro Pietri (Puerto Rican) and Oscar Hijuelos (Cuban-American).
3 hrs3 cr.

AFPRL 38700 - Puerto Rican/Latino Politics in the United States (W)

GER 3/B PD/B
An analysis of the political participation and leadership of Puerto Ricans and other Latinos in the United States.
prereq: either AFPRL 10200, 24200 or 24400 or perm. Instr.
3 hrs3 cr.

AFPRL 39000 - Research Topics in Africana and Puerto Rican/Latino Studies (W)

GER 3/A or B
Topics change according to instructor.
Open to Jr/Sr only.
3 hrs3 cr.

AFPRL 42800 - Selected Topics in Africana and Puerto Rican/Latino Studies: Social Science

GER 3/B PD/B
Topics change according to instructor.
Pluralism and diversity requirements are dependent on the topic course.
prereq: perm dept.
3 hrs3 cr.

AFPRL 44500 - Caribbean Short Story in Spanish: Readings and Theories

GER 3/A
A critical study of the short story genre in the Hispanic Caribbean viewed in conjunction with contemporary literary theory.
prereq or coreq: SPAN 20800
3 hrs3 cr.
Anthropology

ANTHC 40100 - Seminars in Selected Topics

Topics TBA.

Economics

ECO 33000 - Economic Development

GER 3/B PD/A
Critical variables explaining the diversity of growth and economic and development outcomes across developing countries. Theories, case studies, measurement and policies.
prereq: ECO 20100
3 hrs3 cr.

Geography

GEOG 27000 - Regional Geography of Mexico, Central America and the Caribbean

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of Mexico, Central America and West Indies.
3 hrs3 cr.

GEOG 27100 - Regional Geography of South America

GER 3/B PD/A
Analysis of relationship of natural environment to economic, social and political life of South America.
3 hrs3 cr.

History

HIST 27100 - Early History of Latin America

History and cultures of Amerindian groups in Central and South America and the Caribbean; encounter and multiple interactions of European and African cultures with indigenous societies; development of Iberian colonial systems and cultures within the Americas.
Courses at the 300-level and above not offered to freshmen.
3 hrs3 cr.

HIST 34122 - Latin American Political Economy

GER 3/B
courses at the 300-level and above not open to freshmen
3 hrs3 cr.

HIST 34139 - African Influences in the Americas
GER 3/B
Courses at the 300-level and above not open to freshmen
3 hrs3 cr.

Music

MUSHL 24000 - Music of the Caribbean and Latin America (W)

GER 3/A PD/A
Origin and development of Caribbean and Latin American musical styles and their impact on the United States and other parts of the world.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 101, or perm instr.
3 hrs3 cr.

MUSHL 22100 - Black Music in the Americas (W)

GER 3/A PD/B
The origins, history, and evolutionary progression of Black music in the Americas; shared musical practices and resources in the multicultural matrix of the United States in particular and the hemisphere in general.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.

Political Science

POLSC 25200 - Government and Politics in the Caribbean (W)

GER 3/B PD/A
Colonial heritage and American presence. Political institutions, cultural diversity and economic dependency.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 25300 - Government and Politics in Latin America (W)

GER 3/B PD/A
Ideology, revolution, authoritarianism, democracy, institutions, class structure, distribution of wealth and power, political and economic development.
cross-listed LACS 43405
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 26200 - Government and Politics in Central America (W)

GER 3/B PD/A
Political institutions, ideology, class and ethnic structure, economic development, distribution of wealth and power, foreign influences and revolutionary and evolutionary roads to modernization.
cross-listed LACS 43429
prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.
POLSC 27100 - International Politics in the Americas (W)

GER 3/B PD/A
Dynamics of US relations with Latin American countries from the colonial era through the Cold War to the present, and of relations of Latin American countries with each other and with extra-hemispheric nations.
cross-listed LACS 43432
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 28100 - Drugs, Politics and Public Policy (W)

GER 3/B
Examination of public policies addressing drug use and abuse in the United States and other countries with emphasis on political and cultural determinants, economic and market factors, constitutional implications and United States foreign policy.
prereq: ENGL 12000
3 hrs3 cr.

Romance Languages - Spanish

SPAN 26400 - Contemporary Spanish Literature in Translation

Cela, Lorca, Unamuno, Ortega y Gasset.
Taught in English. This course is designed for students who want to become acquainted with Spanish culture. Cannot be credited toward the major and are not recommended for the minor.
prereq: ENGL 12000
3 hrs3 cr.

SPAN 27600 - Readings in Modern Spanish-American Literature

Representative writers: Borges, Neruda, Cortazar, Garcia Mirquez.
prereq: SPAN 20200, 20300, 20800 21100 or four yrs high school Spanish or dept. perm.
3 hrs3 cr.

SPAN 33600 - Latin American Civilization

GER 3/A
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in Spanish.
prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

SPAN 34100 - Introduction to Hispanic Literature I

GER 3/A PD/D
Prerequisite or corequisite to most courses in major sequence. Basic interpretive and research skills for Spanish majors and other qualified students through study of key works of Spanish and Spanish-American authors.
prereq or coreq: SPAN 31100 or dept. perm
3 hrs3 cr.
SPAN 34200 - Introduction to Hispanic Literature II

GER 3/A PD/D
prereq: SPAN 34100 coreq: SPAN 31200
3 hrs 3 cr.

SPAN 36400 - Spanish-American Modernism and Post-modernism

GER 3/A
Modernist and post-modernist authors.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 49100 - Honors Course in Spanish: Special Studies in Contemporary Latin American Literature

Open to Jr/Sr only. Group meetings, conferences, oral and written reports.
prereq: major GPA of 3.2, cum GPA of 2.8; perm adviser
3 hrs 3 cr.

Sociology

SOC 30700 - Migration

GER 3/B PD/B
Economic, demographic, political and cultural factors influencing migration and the consequences of migration.
prereq: SOC 10100
3 hrs 3 cr.

SOC 31800 - Sociology of Human Rights in Latin America

GER 3/B
Types of societies in which human rights are respected or violated with special emphasis on Latin American regimes in the last two decades. Human rights and diversity the rights of women and minorities. Movements to protect human rights. The emphasis is on actual social conditions which foster or impede the observance and protection of human rights.
prereq: SOC 10100
3 hrs 3 cr.

SOC 32502 - Sociology of Human Rights: Violation and Protection

GER 3/B
prereq: SOC 10100, perm instr.
3 hrs 3 cr.

SOC 32506 - Latin American Societies
**GER 3/B**
*prereq: SOC 10100, perm instr.*
3 hrs 3 cr.

**SOC 32519 - Economic Development and Social Inequality in Latin America**

**GER 3/B**
*prereq: SOC 10100, perm instr.*
3 hrs 3 cr.

**SOC 36100 - Development and Modernization (W)**

**GER 3/B PD/A**
Examinations of models of social change with a special focus on developing countries.
*prereq: SOC 10100*
3 hrs 3 cr.

**Women and Gender Studies**

**WGS 33700 - Caribbean Women Writers (W)**

**GER 3/A**
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, eolization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.
*cross-listed AFPRL 33700*
*prereq: AFPRL 23600 or 23700 or ENGL 22000 or WGS 10000*
3 hrs 3 cr.

**WGS 20005 - Dominican and Haitian Literature and Culture**
3 hrs 3 cr.

**Programs and Courses in Mathematics & Statistics**

**Mathematics and Statistics**

**About the Department**
The Department of Mathematics and Statistics offers majors in mathematics and statistics that prepare students for careers in business, government, research, and teaching. Students considering such majors should consult an adviser during their first or second semester to plan the proper sequence of courses and should continue to consult the adviser at least once each semester. Minors in mathematics and statistics are also offered.

**Credit and Course Exemption** The department offers credit or course exemption based on standard examinations such as AP. Inquiries should be made at the department office.
Mathematics Proficiency and Placement

All students entering Hunter College must demonstrate proficiency in the basic skills through their scores on the first two parts of the COMPASS mathematics exam. Exemptions from these two parts are given for SATs, ACT, NY Regents, and for certain other entrance categories. The remaining parts of the COMPASS exam further assess a student’s preparedness for certain courses in mathematics, statistics, and other disciplines at the college. Students may enroll in these courses only if their scores on this entire placement exam are at appropriate levels or they have taken college courses in the required mathematics. Students who need to place into courses by examination and have not taken the remaining parts of the COMPASS mathematics exam are advised to schedule the test with the Testing Center, Room 150 Hunter North, 772-4868, http://admissions.hunter.cuny.edu/Testing.htm well in advance of registration. Subsequent placement into all mathematics and statistics courses is determined by the student’s score on the remaining parts of this exam. New students entering the college take this test in its entirety when they take the other placement exams in reading and writing. Students should notice the mathematics and statistics prerequisites that are indicated in the descriptions of courses and majors so they can effectively plan their studies.

Programs and Courses

In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the departmental office and on the departmental web site http://math.hunter.cuny.edu.

Prerequisites: Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better.

Programs and Courses in Mathematics & Statistics

Administration and Faculty

Department Office:

919 East
(212) 772-5300
fax (212) 772-4858
Web site: http://math.hunter.cuny.edu

Chair:

Robert Thompson
919A East
(212) 772-5300

Dolciani Mathematics Learning Center:

300 North
(212) 772-5371

Faculty

Mathematics and Statistics Faculty
HEGIS Codes: 1701 (BA; BA/MA in Mathematics, Adolescent Education/ Mathematics); 1701/1703 (BA/MA in Mathematics/ Statistics and Applied Mathematics); 1702 (BA in Statistics); 1702/1703 (BA/MA in Statistics/Statistics and Applied Mathematics)

Undergraduate Major

Mathematics - BA

Major

The mathematics major introduces students to the fundamental areas of mathematics and provides some degree of specialization in one or more areas. It trains students in the analytic thinking characteristic of pure and applied mathematics and provides familiarity with rigorous methods of mathematical proof. In addition to the traditional major in mathematics, described below, the department also offers a number of specialized undergraduate tracks for students interested in pursuing careers in bioinformatics or in preparing for teaching: the concentration in Quantitative Biology, the concentration in Preparation for Adolescent Education (grades 7-12), and the concentration in Preparation for Childhood Education (grades 1-6.)

To enter the traditional mathematics major, the student should have completed one year of calculus (MATH 15000 and MATH 15500, or the equivalent). The major consists of at least 33 credits of coursework: 24 credits of core curriculum courses taken by all mathematics majors except those enrolled in the Concentration in Preparation for Childhood Education (grades 1-6) and at least 9 credits of advanced elective courses, chosen by students according to their career plans.

Students interested in pursuing mathematics at the advanced graduate level are urged to participate in the BA/MA program in Mathematics. The BA/MA program in Preparation for Adolescent Education leads to professional certification in adolescent education (grades 7-12) in mathematics. Certification may also be received by completing the BA degree with a mathematics major and then completing the graduate Teacher Education Program (TEP) in Mathematics or the graduate Urban Teacher Residency in Mathematics.

- Mathematics Concentration in Preparation for Adolescent Education (Grades 7-12)
- Mathematics Major with a Concentration in Quantitative Biology
- Mathematics Concentration in Preparation for Childhood Education (Grades 1-6)

Major Core Curriculum (24 cr)

MATH 15600 - Introduction to Mathematical Proof Workshop

Techniques of proof will be introduced, among them the direct and indirect methods of proof, epsilon-delta arguments and induction. These will be applied to theorems in number theory, set theory and in differential and integral calculus. In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.

prereq: MATH 15000. Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better, prereq or coreq: MATH 15500

2 hrs 1 cr.
MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs3 cr.

MATH 25500 - Vector Analysis

GER 3/B
Line and surface integrals, Green's Theorem, divergence theorem, Stokes' Theorem, generalized coordinates.
prereq: MATH 25000
3 hrs3 cr.

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
prereq: MATH 15600prereq or coreq: MATH 25000
4 hrs4 cr.

MATH 31100 - Abstract Algebra I

GER 3/B
Introduction to the theory of groups and rings.
prereq: MATH 26000
3 hrs3 cr.

MATH 35100 - Mathematical Analysis I

GER 3/B
Rigorous treatment of foundations of calculus, including topology of real line and higher dimensional spaces. Basic results on continuous functions.
prereq: MATH 25000, 26000
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one-and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.
prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

- or -

STAT 31100 - Probability Theory

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.
prereq: MATH 25000.
3 hrs 3 cr.

Elective Courses

The student must complete three 3-credit approved elective courses. The elective courses must be chosen from the 300- or 400-level courses in mathematics or statistics listed by the department. Factors affecting the choice of courses will include the student's career goals (preparation for graduate study; education; careers in business, government service or industry), the student’s other major, where applicable, and the availability of courses due to the course rotation schedule. A 300-level course may be replaced by a graduate level course approved by a departmental adviser.

Symbolic Computation Proficiency Requirement

As a requirement for graduation with a BA in Mathematics, students must demonstrate entry level proficiency in symbolic computation. The requirement can be met in any of the following ways:

a) passing any of

MATH 12600 - Precalculus Technology Laboratory

Students are introduced to MATHEMATICA as a tool for exploring qualitative features of functions and solving pre-calculus problems: simplifying algebraic expressions, solving equations, plotting functions and curves, finding and approximating zeros and solving systems of equations. MATH 12600 cannot be taken for credit after a student has passed MATH 15000. Students who have passed MATH 15000 should register for MATH 15400 to satisfy the symbolic proficiency requirement.
prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
orreq or coreq: MATH 12500
2 hrs 1 cr.

MATH 15100 - Calculus I with Symbolic Computation

Combines MATH 15000 (Calculus I) with MATH 15400. Some previous experience with computers is desirable but not required
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam
6 hrs 5 cr.

MATH 15400 - An Introduction to Symbolic Computation

Laboratory introduction to machine-aided computation with an emphasis on examples related to calculus. Students use a symbolic computation package to investigate and solve problems numerically, analytically and graphically. The same package is used to create reports of their results. Some previous experience with computers is desirable but not
required.

prereq: MATH 15000
2 hrs 1 hr.

**MATH 38500 - Numerical Methods I**

GER 3/B
Accuracy and precision, convergence, iterative and direct methods. Topics selected from: solution of polynomial equations and linear systems of equations, curve fitting and function approximation, interpolation, differentiation and integration, differential equations.

prereq: MATH 25000 and MATH 26000 or permission of the instructor
3 hrs 3 cr.

b) passing a departmental exam in a computer algebra system (currently we use MATHEMATICA or the equivalent)

**Honors**

A student majoring in mathematics or statistics may become a candidate for departmental honors by successfully completing MATH 490, by presenting a major GPA of at least 3.6 and by achieving a satisfactory rating on a comprehensive examination.

**MATH 49000 - Honors Seminar**

GER 3/B

prereq: MATH 31100, 35100, perm dept.
3 hrs 3 cr.

**Minor in Mathematics**

A minor in mathematics consists of a minimum of 12 credits selected from the following courses offered by the department: MATH courses numbered 15000 or above (with the exception of MATH 26100), STAT 31100, STAT 31200. Mathematics minors are required to take all necessary prerequisites. Students should consult the catalog to determine prerequisites necessary for them to enroll in courses that count toward the minor. It is recommended that prospective mathematics minors consult with an undergraduate mathematics adviser concerning course selection.

**STAT 31100 - Probability Theory**

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.

prereq: MATH 25000.
3 hrs 3 cr.

**STAT 31200 - Stochastic Processes**

GER 3/B
Discrete and continuous stochastic processes including Markov chains, birth processes, queues and Brownian motion.

prereq: STAT 31100
3 hrs 3 cr.
Mathematics Concentration in Preparation for Adolescent Education (Grades 7-12)

Return to Programs and Courses in Mathematics & Statistics Mathematics - BA

Provisional certification for teaching mathematics in grades 7-12 may be obtained by:

- Completing the BA with a traditional mathematics major, and
- Completing the adolescent education sequence as prescribed by the School of Education.

Students following this concentration in the mathematics major should consult a departmental adviser as to which advanced elective courses are recommended to complete 33 or more credits in the major.

Mathematics Concentration in Preparation for Childhood Education (Grades 1-6)

Return to Programs and Courses in Mathematics & Statistics

This concentration constitutes a mathematics major for QUEST students. QUEST students majoring in mathematics are not exempt from the MATH 10400/MATH 10500 requirement. To enter this major, the student should have completed one semester of calculus (MATH 15000 or the equivalent). The specified collateral major is childhood education. This mathematics major consists of at least 32 credits of coursework: 20 credits of major core curriculum courses and at least 12 additional credits, as described below.

Major Core Curriculum (20 credits)

**MATH 15400 - An Introduction to Symbolic Computation**

Laboratory introduction to machine-aided computation with an emphasis on examples related to calculus. Students use a symbolic computation package to investigate and solve problems numerically, analytically and graphically. The same package is used to create reports of their results. Some previous experience with computers is desirable but not required.

*prereq: MATH 15000
2 hrs1 hr.*

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

*prereq: grade of C or better in MATH 15000
4 hrs4 cr.*

**MATH 15600 - Introduction to Mathematical Proof Workshop**

Techniques of proof will be introduced, among them the direct and indirect methods of proof, epsilon-delta arguments and induction. These will be applied to theorems in number theory, set theory and in differential and integral calculus.

*In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course...*
offerings is available in the department office and on the departmental web site.

prereq: MATH 15000. Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better.

prereq or coreq: MATH 15500
2 hrs 1 cr.

MATH 16000 - Matrix Algebra

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.

prereq: MATH 12500 or appropriate score on placement exam
3 hrs 3 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

prereq: MATH 15500
4 hrs 4 cr.

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.

prereq: MATH 15600
prereq or coreq: MATH 25000
4 hrs 4 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

Additional Required Courses (at least 12 credits)

STAT 21200 - Discrete Probability

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs 3 cr.
STAT 22000 - Statistical Analysis in Forensics

GER 3/B
A second course in probability and statistics and the evaluation of evidence in the forensic sciences. 
prereq: STAT 21200 and either STAT 21300 or 11300 by permission of instructor. One of the above, i.e., STAT 21200 or STAT 21300 or STAT 11300 by permission of instructor may be taken as a coreq.
3 hrs3 cr.
- Two additional courses approved by a departmental adviser

Mathematics Major with a Concentration in Quantitative Biology

Return to Programs and Courses in Mathematics & Statistics

This program is for students intending to pursue research careers in biomedical sciences. It provides students with a working knowledge of computing and biological sciences for bioengineering careers in bioinformatics, the pharmaceutical industry, and the biotechnology industry.

Students interested in this concentration in the mathematics major should consult the adviser. Information can be found at: http://www.hunter.cuny.edu/qubi/mathematics-majors

For this concentration, the student must complete the entry requirement for the mathematics major (MATH 15000 and MATH 15500), and the symbolic computation proficiency requirement. This major consists of the following core curriculum and additional required courses:

Major Core Curriculum (27 credits)

MATH 15600 - Introduction to Mathematical Proof Workshop
Techniques of proof will be introduced, among them the direct and indirect methods of proof, epsilon-delta arguments and induction. These will be applied to theorems in number theory, set theory and in differential and integral calculus. 
In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.
prereq: MATH 15000. Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better.prereq or coreq: MATH 15500
2 hrs1 cr.

MATH 25000 - Calculus with Analytic Geometry III
GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration. 
prereq: MATH 15500
4 hrs4 cr.

MATH 25400 - Ordinary Differential Equations
GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs3 cr.

MATH 25500 - Vector Analysis

GER 3/B
Line and surface integrals, Green's Theorem, divergence theorem, Stokes' Theorem, generalized coordinates.
prereq: MATH 25000
3 hrs cr.

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
prereq: MATH 15600
prereq or coreq: MATH 25000
4 hrs4 cr.

MATH 31100 - Abstract Algebra I

GER 3/B
Introduction to the theory of groups and rings.
prereq: MATH 26000
3 hrs3 cr.

MATH 35100 - Mathematical Analysis I

GER 3/B
Rigorous treatment of foundations of calculus, including topology of real line and higher dimensional spaces. Basic results on continuous functions.
prereq: MATH 25000, 26000
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

STAT 31100 - Probability Theory

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.
prereq: MATH 25000.
3 hrs3 cr.
Additional Required Courses (33 credits)

**CSCI 13200 - Practical UNIX and Programming, with Lab**

GER 2/E  
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition.  
*This course cannot be counted towards the CSCI major.*  
prereq: none  
3 hrs 3 cr.

**CSCI 23200 - Relational Databases and SQL Programming, with Lab**

GER 3/B  
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.  
*Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.*  
prereq: CSCI 13200  
3 hrs 3 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E  
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.  
*Primarily for pre-med, medical laboratory sciences and science majors.*  
prereq or coreq: MATH 12500, 12600 or equiv.  
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E  
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.  
*Primarily for premed, medical laboratory sciences and science majors.*  
prereq: CHEM 10200 or CHEM 10000 with perm chair  
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E  
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.  
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*  
prereq: CHEM 10200  
coreq: CHEM 10400  
8 hrs (6 lab, 2 rec) 3 cr.
**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

**BIOL 30000 - Biological Chemistry**

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.

$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300
coreq: CHEM 22400
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

**BIOL 30200 - Molecular Genetics**

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.

$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

spring only

**BIOL 42500 - Computational Molecular Biology**

GER 3/B
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of *in silico* biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and predication of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting.

Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.
Statistics - BA

The study of statistics provides the student with analytical tools that may find application in various fields within the sciences and social sciences. Bioinformatics is a rapidly developing area open to students in statistics with a working knowledge of computing and biological sciences. Actuarial science is one area open to students in statistics who also have backgrounds in such subjects as computer science, mathematics and economics. The BA/MA in Statistics and Applied Mathematics offered by the department provides enrichment for undergraduate statistics majors.

To enter the major the student must have completed MATH 15000 and MATH 15500. Normally, the statistics major consists of 32 credits as follows: 29 credits of core curriculum courses and any additional 3-credit statistics, mathematics, or computer science course approved by the statistics adviser. Modifications are permitted with the consent of the statistics adviser. For example, a student may elect to replace STAT 21200 with a more advanced course. With permission of the adviser, a student may take graduate courses in statistics and applied mathematics. Students interested in bioinformatics take the additional courses listed in the concentration in quantitative biology.

Major

Major Core Curriculum (29 cr)

**MATH 25000 - Calculus with Analytic Geometry III**

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs4 cr.

**MATH 25400 - Ordinary Differential Equations**

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs3 cr.
or

**MATH 35400 - Dynamical Systems and Chaos**

GER 3/B
Linear flows, qualitative theory of low-dimensional nonlinear systems, introduction to chaos in discrete one-dimensional dynamical systems.
prereq: MATH 25000, 26000
3 hrs3 cr.

**MATH 26000 - Linear Algebra**

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
prereq: MATH 15600 or coreq: MATH 25000
4 hrs4 cr.
STAT 21200 - Discrete Probability

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

STAT 21400 - Data Analysis Using Statistical Software

GER 3/B
Familiarity with the Windows computing environment encouraged. Analysis of variance, simple and multiple regression, nonparametric statistics, statistical model building

prereq: STAT 21300 or MATH 12500 and STAT 11300 with grade of C or better in each course.
3 hrs3 cr.

STAT 31100 - Probability Theory

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.

prereq: MATH 25000.
3 hrs3 cr.

STAT 31200 - Stochastic Processes

GER 3/B
Discrete and continuous stochastic processes including Markov chains, birth processes, queues and Brownian motion.

prereq: STAT 31100
3 hrs3 cr.

STAT 31300 - Introduction to Mathematical Statistics

GER 3/B
Estimation, hypothesis testing, confidence limits for normal, binomial, Poisson and exponential random variables.

prereq: STAT 31100
3 hrs3 cr.
Statistics Minor

A minor in statistics consists of at least 12 credits selected from STAT courses offered by the department. Statistics minors are required to take all necessary prerequisites. Students should consult the catalog to determine prerequisites necessary for them to enroll in courses that count toward the minor. It is recommended that prospective statistics minors consult with an undergraduate adviser concerning course selection.

Actuarial Sequence

A student interested in actuarial work should take the following courses. Students are also encouraged to take courses in accounting, economics and computer science. For information concerning examinations and prizes given to undergraduates by the Society of Actuaries, consult the departmental adviser.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15000
4 hrs4 cr.

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
prereq: MATH 15600 or coreq: MATH 25000
4 hrs4 cr.

STAT 31100 - Probability Theory

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.
prereq: MATH 25000.
3 hrs3 cr.
STAT 31300 - Introduction to Mathematical Statistics

GER 3/B
Estimation, hypothesis testing, confidence limits for normal, binomial, Poisson and exponential random variables.

prereq: STAT 31100
3 hrs3 cr.

Concentration

• Statistics Major with a Concentration in Quantitative Biology

Honors

A student majoring in mathematics or statistics may become a candidate for departmental honors by successfully completing MATH 49000, by presenting a major GPA of at least 3.6 and by achieving a satisfactory rating on a comprehensive examination.

Statistics Major with a Concentration in Quantitative Biology

For students intending to pursue research careers in biomedical sciences. It provides students with a working knowledge of computing and biological sciences for bioengineering careers in bioinformatics, the pharmaceutical industry, and the biotechnology industry.

Students interested in this concentration in the statistics major should consult the adviser. Information at http://www.hunter.cuny.edu/qubi/statistics-majors

For this concentration, the student must complete the entry requirement for the statistics major (MATH 15000 and MATH 15500). This major consists of the following core curriculum and additional required courses:

Major Core Curriculum (29 credits)

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

prereq: MATH 15500
4 hrs4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.

prereq: MATH 25000
3 hrs3 cr.

or

MATH 35400 - Dynamical Systems and Chaos
GER 3/B
Linear flows, qualitative theory of low-dimensional nonlinear systems, introduction to chaos in discrete one-dimensional dynamical systems.
prereq: MATH 25000, 26000
3 hrs3 cr.

MATH 26000 - Linear Algebra

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.
prereq: MATH 15600prereq or coreq: MATH 25000
4 hrs4 cr.

STAT 21200 - Discrete Probability

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

prereq: MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs3 cr.

STAT 21300 - Introduction to Applied Statistics

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

prereq: MATH 12500 or appropriate score on placement exam.
3 hrs3 cr.

STAT 21400 - Data Analysis Using Statistical Software

GER 3/B
Familiarity with the Windows computing environment encouraged. Analysis of variance, simple and multiple regression, nonparametric statistics, statistical model building
prereq: STAT 21300 or MATH 12500 and STAT 11300 with grade of C or better in each course.
3 hrs3 cr.

STAT 31100 - Probability Theory

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.
prereq: MATH 25000.
3 hrs3 cr.

STAT 31200 - Stochastic Processes
GER 3/B
Discrete and continuous stochastic processes including Markov chains, birth processes, queues and Brownian motion.
*prereq: STAT 31100*
3 hrs 3 cr.

**STAT 31300 - Introduction to Mathematical Statistics**

GER 3/B
Estimation, hypothesis testing, confidence limits for normal, binomial, Poisson and exponential random variables.
*prereq: STAT 31100*
3 hrs 3 cr.

Additional Required Courses (30 credits)

**CSCI 13200 - Practical UNIX and Programming, with Lab**

GER 2/E
An introduction to computer programming and the UNIX operating system using Perl. Conceptual overview of the UNIX operating system and programming environment, a practical introduction to shell programming, and the use of UNIX filters and utilities. A pragmatic course with an emphasis on skills acquisition.
*This course cannot be counted towards the CSCI major.*
*prereq: none*
3 hrs 3 cr.

**CSCI 23200 - Relational Databases and SQL Programming, with Lab**

GER 3/B
An introduction to elementary database concepts and SQL, the standard language for communicating with most database systems. A pragmatic course with an emphasis on skills acquisition; students will learn how to get things done quickly and easily in a database environment.
*Required for computer science minors; open to computer science majors, but may not be used toward the computer science major.*
*prereq: CSCI 13200*
3 hrs 3 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E
An introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
An introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec) 4 cr.
**CHEM 10600 - General Chemistry Laboratory**

GER 2/E  
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.  
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*  
*prereq: CHEM 10200  
coreq: CHEM 10400  
8 hrs (6 lab, 2 rec) 3 cr.*  
(or equivalent)

**CHEM 22200 - Organic Chemistry Lecture I**

GER 3/B  
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.  
*prereq: prereq for CHEM 22200: CHEM 10400  
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.*

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D  
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.  
*$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.  
prereq: MATH 10100 or equivalent  
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.*  
fall only

**BIOL 30000 - Biological Chemistry**

GER 3/B  
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.  
*$10 materials fee required.  
prereq: BIOL 20200, CHEM 22200, 22300 coreq: CHEM 22400  
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.*  
fall only

**BIOL 30200 - Molecular Genetics**

GER 3/B  
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.  
*$10 materials fee required.*
**BIOL 42500 - Computational Molecular Biology**

GER 3/B  
An introduction to the interdisciplinary field of computational molecular biology. Students are taught the scope and methods of in silico biology, i.e., the application of computational and statistical methods to solving problems in molecular biology. Topics will include homology searching, sequence alignment, molecular phylogenetics, comparative genomics, analysis of gene expression, and prediction of macromolecular structures. The course will be taught using a mixed format of lectures and hands-on workshops in a UNIX computer laboratory setting.  
Knowledge and skills in molecular biology, UNIX programming, and statistics are essential for success in this core course required for bioinformatics-concentration students from all majors.

prereq: BIOL 30000 or BIOL 30200 or CHEM 37600; STAT 21300; CSCI 13200 or CSCI 23500 or UNIX proficiency permitted by instructor.

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**Undergraduate Major/Graduate Major**

**Mathematics or Statistics and Applied Mathematics - BA/MA**

The BA/MA program offers promising students the opportunity to complete both the bachelor's and master's requirements with a minimum of 120 credits. Requirements are the same as those for a major in the department, plus 30 credits at the graduate level. Interested students should contact the graduate adviser for further information regarding eligibility and curriculum requirements.

**Track 1: BA/MA Program in Mathematics**

Students complete the BA with a traditional mathematics major, with 30 additional credits at the graduate level in pure mathematics approved by the departmental graduate adviser.

**Track 2: BA/MA Program in Statistics and Applied Mathematics**

Students complete the BA with a traditional major in statistics or mathematics, with 30 additional credits at the graduate level in applied mathematics, statistics, and computer science, approved by the departmental graduate adviser.

**Mathematics Preparation for Adolescent Education (Grades 7-12) - BA/MA**

Students interested in secondary school teaching may pursue a combined BA/MA program in teaching. This program requires a minimum of 141 credits.

**Admission Requirements for the BA/MA in Teaching**

- Completion of at least 45 credits with a GPA of 2.8.
• Completion of at least 10 credits in mathematics, including a year of calculus (MATH 15000 and MATH 15500, or the equivalent), with an average of 2.7 in these major courses.

• Admission to the School of Education.

Degree Requirements for the BA/MA in Teaching

The BA/MA program in the teaching of mathematics includes 47–48 credits in mathematics (in addition to the year of calculus described above) and 23 credits in teacher education courses, some of them taken at the undergraduate level and some at the graduate level. The required courses are:

• The 33 credits required for the BA in Mathematics OR the 32 credits required for the BA in Statistics.

• The following 15 graduate credits: MATH 62000, 63000, 63300, 63500, and STAT 61200 or 61400.

*Although students are required to take either STAT 61200 or STAT 61400, they are encouraged to take both courses.

Also required is passing a comprehensive examination in mathematics consisting of three parts covering the material in MATH 620, 630, and 633. Students may sit for the comprehensive examination only after having taken all three courses. Students who fail any part of the examination need only retake that part of the examination. A student can take any part of the comprehensive exam in mathematics twice; after that, a committee formed by the Mathematics/Statistics Chairperson and consisting of members from the Department of Mathematics and Statistics and the Department of Curriculum and Teaching will decide if the student can take the examination a third and final time.

The student should consult the School of Education section of the graduate catalog for the sequence of teacher education courses.

Mathematics and Statistics: Mathematics

In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.

Prerequisites: Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better.

MATH 10000 - Basic Structures of Mathematics

GER 1/B
Not open to students who have received credit for any math or stat course that satisfies the GER 1/B requirement. Not recommended for students majoring in mathematics, statistics, computer science, or natural sciences. Symbolic logic, sets, number systems, relations and operations and topics in probability and statistics. This course is a terminal course and does not serve as a prerequisite to any other course in the department

prereq: CUNY Math Proficiency
3 hrs3 cr.

MATH 10100 - Algebra for College Students

Topics in algebra, graphing and functions Includes: algebraic and graphical solutions to systems of equations and inequalities; absolute value, polynomial, rational and radical expressions and equations; complex numbers; the function concept; introduction to polynomial, rational and exponential functions and their graphs.

In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.
prereq: appropriate score on placement exam or exit from appropriate departmental workshop
4 hrs (2 lec, 2 lab)3 cr.

**MATH 10200 - Mathematics and Everyday Life**

GER 1/B
Students will learn how to model real world problems with mathematics, and learn techniques for solving them. Topics include personal finance, statistical reasoning, probability, exponential growth, and voting theory.

*prereq: CUNY Math Proficiency*
3 hours3 credits

**MATH 10400 - Mathematics for Elementary Education I**

GER 1/B
Fundamental and relevant mathematics as recommended by the NCTM for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers and number theory. Required of students planning to teach in elementary schools. Not open to other students.

*prereq: grade of C or better in MATH 10100 or appropriate score on the placement exam*
3 hrs3 cr.

**MATH 10500 - Mathematics for Elementary Education II**

GER 1/B
Continuation of MATH 10400. Continuation of the content of the mathematics recommended by the NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence and similarity.

*prereq: grade of C or better in MATH 10400*
3 hrs3 cr.

**MATH 11000 - Topics in the Mathematical Sciences**

GER 1/B
Not open to students who have completed MATH 10500, 16000 or 26000. Intended for liberal arts or social science students. Applications of topics selected from algebra, analysis, computer science, geometry, probability and statistics.

*prereq: college-level mathematics or statistics course.*
3 hrs3 cr.

**MATH 11100 - Matrices, Vectors and Linear Programming**

GER 1/B
Not open to students who have completed MATH 16000 or 26000. Recommended for accounting students; not recommended for students majoring in mathematics or statistics. Introduction to matrices and vectors, systems of linear equations and linear programming with applications.

*prereq: MATH 10100 or appropriate score on placement exam*
3 hrs3 cr.

**MATH 12500 - Precalculus**
GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.

prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
4 hrs4 cr.

MATH 12600 - Precalculus Technology Laboratory

Students are introduced to MATHEMATICA as a tool for exploring qualitative features of functions and solving precalculus problems: simplifying algebraic expressions, solving equations, plotting functions and curves, finding and approximating zeros and solving systems of equations. MATH 12600 cannot be taken for credit after a student has passed MATH 15000. Students who have passed MATH 15000 should register for MATH 15400 to satisfy the symbolic proficiency requirement.

prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
prereq or coreq: MATH 12500
2 hrs1 cr.

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

MATH 15100 - Calculus I with Symbolic Computation

Combines MATH 15000 (Calculus I) with MATH 15400. Some previous experience with computers is desirable but not required.

prereq: grade of C or better in MATH 12500 or appropriate score on placement exam
6 hrs5 cr.

MATH 15400 - An Introduction to Symbolic Computation

Laboratory introduction to machine-aided computation with an emphasis on examples related to calculus. Students use a symbolic computation package to investigate and solve problems numerically, analytically and graphically. The same package is used to create reports of their results. Some previous experience with computers is desirable but not required.

prereq: MATH 15000
2 hrs1 hr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000
4 hrs4 cr.

MATH 15600 - Introduction to Mathematical Proof Workshop
Techniques of proof will be introduced, among them the direct and indirect methods of proof, epsilon-delta arguments and induction. These will be applied to theorems in number theory, set theory and in differential and integral calculus. In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.

prereq: MATH 15000. Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better.

prereq or coreq: MATH 15500
2 hrs 1 cr.

**MATH 16000 - Matrix Algebra**

GER 1/B
Systems of linear equations, matrices, determinants, introduction to vector spaces and linear transformations, applications.

prereq: MATH 12500 or appropriate score on placement exam
3 hrs 3 cr.

**MATH 25000 - Calculus with Analytic Geometry III**

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

prereq: MATH 15500
4 hrs 4 cr.

**MATH 25400 - Ordinary Differential Equations**

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.

prereq: MATH 25000
3 hrs 3 cr.

**MATH 25500 - Vector Analysis**

GER 3/B
Line and surface integrals, Green's Theorem, divergence theorem, Stokes' Theorem, generalized coordinates.

prereq: MATH 25000
3 hrs 3 cr.

**MATH 26000 - Linear Algebra**

GER 3/B
Vector spaces, linear transformations, canonical forms, inner product spaces, bilinear forms, applications.

prereq: MATH 15600
prereq or coreq: MATH 25000
4 hrs 4 cr.

**MATH 26100 - Mathematics in Human History (W)**

GER 2/B
A historical treatment of themes in mathematics, probability and statistics, with applications in the arts and sciences.
Roots of mathematics in non-Western cultures and contributions of women and minorities are included.

**Prereq:** ENGL 12000, college-level mathematics course beyond MATH 10100
3 hrs 3 cr.

**MATH 27500 - Intermediate Symbolic Logic**

GER 3/B
Symbolization of statements in sentential and predicate notation, sentential derivations, interpretations, predicate derivations through logic of identity and definite descriptions. Cross-listed as PHIL 27500.

**Prereq:** MATH 15600
3 hrs 3 cr.

**MATH 29500 - Intermediate Topics in Mathematics**

GER 3/B
May be repeated as topics vary, but not more than twice. Topics to be studied in any given term will be announced prior to registration.

**Prereq:** MATH 15000; additional depend on specific course offered
3 hrs 3 cr.

**MATH 30100 - Mathematical Methods for the Physical Sciences**

GER 3/B
The solution of linear partial differential equations and boundary value problems. Solution techniques such as separation of variables, Fourier series, Green's functions and Laplace transforms are covered. These are applied to several equations which occur in physical applications such as the heat equation, the Laplace equation and the wave equation. Crosslisted as PHYS 30100.

**Prereq:** MATH 25400
3 hrs 3 cr.

**MATH 31100 - Abstract Algebra I**

GER 3/B
Introduction to the theory of groups and rings.

**Prereq:** MATH 26000
3 hrs 3 cr.

**MATH 31200 - Abstract Algebra II**

GER 3/B
Elements of Galois theory, construction with ruler and compass, advanced topics in ring theory and linear algebra.

**Prereq:** MATH 31100
3 hrs 3 cr.

**MATH 31300 - Theory of Numbers**

GER 3/B
Congruences, quadratic residues, elementary Diophantine analysis, continued fractions, sums of squares.

**Prereq:** MATH 26000
3 hrs 3 cr.
MATH 33100 - Geometries

GER 3/B
Topics in affine and projective geometry and/or topics in differential geometry.
\textit{prereq: MATH 26000}
3 hrs 3 cr.

MATH 34000 - Topology

GER 3/B
Metric and topological spaces, continuity, homeomorphisms, compactness, connectedness, homotopy, fundamental group.
\textit{prereq: MATH 35100}
3 hrs 3 cr.

MATH 35100 - Mathematical Analysis I

GER 3/B
Rigorous treatment of foundations of calculus, including topology of real line and higher dimensional spaces. Basic results on continuous functions.
\textit{prereq: MATH 25000, 26000}
3 hrs 3 cr.

MATH 35200 - Mathematical Analysis II

GER 3/B
Integration, sequences and series, uniform convergence, differentiation of functions of several variables, inverse and implicit function theorems, formula for change of variables.
\textit{prereq: MATH 35100}
3 hrs 3 cr.

MATH 35300 - Introduction To Complex Variables

GER 3/B
Complex numbers, analytic functions, elementary functions, contour integrals, Cauchy integral theory, series.
\textit{prereq: MATH 15600, 25500}
3 hrs 3 cr.

MATH 35400 - Dynamical Systems and Chaos

GER 3/B
Linear flows, qualitative theory of low-dimensional nonlinear systems, introduction to chaos in discrete one-dimensional dynamical systems.
\textit{prereq: MATH 25000, 26000}
3 hrs 3 cr.

MATH 37000 - Mathematical Logic

GER 3/B
A survey of the central results and techniques of metalogic, principally mathematical induction, the soundness and
completeness of theorems for first-order logic, the Skolem Theorem and Church’s Theorem on undecidability. Cross-listed as PHIL 37500.

prereq: MATH 26000 or perm instr.
3 hrs3 cr.

MATH 37100 - Fundamental Concepts of Modern Mathematics

GER 3/B
Axiomatic approach to set theory: axiom of choice, Zorn's Lemma, transfinite arithmetic.
prereq: two of the following: MATH 26000, 31100, 35100, 35200
3 hrs3 cr.

MATH 37600W - Philosophy of Mathematics

GER 3/B
Study of such issues as the nature of demonstration or proof and the nature of mathematical knowledge and mathematical objects such as numbers and sets. Cross-listed as PHIL 37600.
cross-listed PHIL 37600
prereq: ENGL 12000; PHIL 10100, MATH 27500
3 hrs3 cr.

MATH 38500 - Numerical Methods I

GER 3/B
Accuracy and precision, convergence, iterative and direct methods. Topics selected from: solution of polynomial equations and linear systems of equations, curve fitting and function approximation, interpolation, differentiation and integration, differential equations.
prereq: MATH 25000 and MATH 26000 or permission of the instructor
3 hrs3 cr.

MATH 39100 - Independent Study in Mathematics

GER 3/B
Open to Jr/Sr only. Independent study and reading under direction of faculty member.
prereq: perm dept.
1-3 hrs1-3 cr.

MATH 39200 - Independent Study in Mathematics

GER 3/B
Open to Jr/Sr only. Independent study and reading under direction of faculty member.
prereq: perm dept.
1-3 hrs1-3 cr.

MATH 39300 - Independent Study in Mathematics

GER 3/B
Open to Jr/Sr only. Independent study and reading under direction of faculty member.
prereq: perm dept.
1-3 hrs1-3 cr.
MATH 39500 - Advanced Topics in Mathematics

GER 3/B
Topics to be studied in any given term will be announced prior to registration. May be repeated as topics vary, but not more than twice.

prereq: MATH 25000, 26000; additional depend on specific course offered
3 hrs 3 cr.

MATH 45400 - Calculus on Manifolds

GER 3/B
Functions on Euclidean space, implicit function theorem, Fubini's Theorem, integration on chains and manifolds.

prereq: MATH 35200
3 hrs 3 cr.

MATH 48500 - Numerical Methods II

GER 3/B
Advanced topics in numerical solutions to partial differential equations, finite element method, von Neumann stability analysis, finite difference method. Examples from computational fluid dynamics and structural mechanics.

cross-listed CSCI 48500 and PHYS 48500

prereq: MATH 38500 or permission of instructor
3 hrs 3 cr.

MATH 49000 - Honors Seminar

GER 3/B

prereq: MATH 31100, 35100, perm dept.
3 hrs 3 cr.

Mathematics and Statistics: Statistics

In planning their schedules, prospective majors should note that some advanced required courses are offered only once each year and several advanced elective courses are offered only once every other year. A rotation schedule for course offerings is available in the department office and on the departmental web site.

Prerequisites: Because of the nature of mathematics, the department recommends that students refrain from enrolling in any course that carries prerequisites unless these prerequisites have been completed with a grade of C or better.

STAT 11000 - Selected Topics in Elementary Probability and Statistics as Applied to Popular Science and Current Events

GER 1/B
Topics to be studied in any given term will be announced prior to registration. This course does not serve as a prerequisite for any other mathematics or statistics course. This course is a topics course that serves as an introduction to selected topics in probability and statistics with applications to the real world.

prereq: CUNY Math Proficiency
3 hrs 3 cr

STAT 11300 - Elementary Probability and Statistics
GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

*prereq:* MATH 10100 or appropriate score on placement exam
*prereq or coreq:* ENGL 12000
3 hrs 3 cr.

**STAT 21200 - Discrete Probability**

GER 1/B
Combinations, permutations, discrete probability. Characteristics of probability distributions. Model building. Additional topics like sampling, random walks or game theory will be introduced from time to time.

*prereq:* MATH 12500, STAT 11300 or appropriate score on placement exam.
3 hrs 3 cr.

**STAT 21300 - Introduction to Applied Statistics**

GER 1/B
Familiarity with the Windows computing environment encouraged. Sampling, estimation, tests of hypotheses, including one- and two-sample tests, two- and three-way tables for nominal and ordinal data, linear regression, analysis of variance through two-way with interaction, appropriate statistical software.

*prereq:* MATH 12500 or appropriate score on placement exam.
3 hrs 3 cr.

**STAT 21400 - Data Analysis Using Statistical Software**

GER 3/B
Familiarity with the Windows computing environment encouraged. Analysis of variance, simple and multiple regression, nonparametric statistics, statistical model building

*prereq:* STAT 21300 or MATH 12500 and STAT 11300 with grade of C or better in each course.
3 hrs 3 cr.

**STAT 22000 - Statistical Analysis in Forensics**

GER 3/B
A second course in probability and statistics and the evaluation of evidence in the forensic sciences.

*prereq:* STAT 21200 and either STAT 21300 or 11300 by permission of instructor. One of the above, i.e., STAT 21200 or STAT 21300 or STAT 11300 by permission of instructor may be taken as a coreq.
3 hrs 3 cr.

**STAT 29500 - Intermediate Topics in Statistics**
Topics to be studied in any given term will be announced prior to registration. May be repeated as topics vary, but not more than twice.

prereq: STAT 21300 or STAT 11300 and MATH 12500; additional prereqs. depend on specific course offered.
3 hrs3 cr.

**STAT 31100 - Probability Theory**

GER 3/B
Combinatorics, distribution theory for discrete and continuous random variables, central limit theorems.

prereq: MATH 25000.
3 hrs3 cr.

**STAT 31200 - Stochastic Processes**

GER 3/B
Discrete and continuous stochastic processes including Markov chains, birth processes, queues and Brownian motion.

prereq: STAT 31100
3 hrs3 cr.

**STAT 31300 - Introduction to Mathematical Statistics**

GER 3/B
Estimation, hypothesis testing, confidence limits for normal, binomial, Poisson and exponential random variables.

prereq: STAT 31100
3 hrs3 cr.

**STAT 31900 - Bayesian Statistical Inference in the Sciences**

GER 3/B

prereq: MATH 15500; at least one of STAT 21200, STAT 21300 or STAT 21400 (or permission of instructor).
Prerequisites waived for students who have passed STAT 311.
Familiarity with matrix algebra (at the level of MATH 160) and with the Windows computing environment are encouraged.

3 hrs3 cr

**STAT 35100 - Advanced Biometrics**

GER 3/B
A second course in statistics covering quantitative methods applicable in the life sciences. Topics include experimental design, life table analysis, ethical issues, survival analysis, logistic regression and Cox regression. Linear algebra recommended but not required.

prereq: math at level of MATH 12500, STAT 11300, 21300 or equiv. intro. statistics course
3 hrs3 cr.

**STAT 39100 - Independent Study**
GER 3/B
Open to Jr/Sr majors only. Independent study in which a topic of interest is selected by the student. The study is carried out under the direction of a faculty member.

prereq: perm. dept.
1 hr. 1 cr.

STAT 39200 - Independent Study

GER 3/B
Open to Jr/Sr majors only. Independent study in which a topic of interest is selected by the student. The study is carried out under the direction of a faculty member.

prereq: perm. dept.
2 hrs. 2 cr.

STAT 39300 - Independent Study

GER 3/B
Open to Jr/Sr Majors only. Independent study in which a topic of interest is selected by the student. The study is carried out under the direction of a faculty member.

prereq: perm. dept.
3 hrs. 3 cr.

STAT 39500 - Advanced Topics in Statistics

GER 3/B
Topics to be studied in any given term will be announced prior to registration. May be repeated as topics vary, but not more than twice.

prereq: STAT 31100; STAT 31200 or 31300; additional prereqs. depend on specific course offered
3 hrs 3 cr.

STAT 48600 - Elements of Visualization

GER 3/B
The structure and purpose of visualization systems; includes fully developed examples from statistics and applied mathematics. Final project required.

prereq: MATH 38500 (or CSCI 38500, PHYS 38500) or all of MATH 16000, MATH 25000 and STAT 21300.

3 hrs 3 cr.

Programs and Courses in Music

Music

About the Department
The Department of Music offers a wide variety of courses and degree programs tailored to the needs of students with different personal and professional objectives. Course offerings include a large selection of topics for both majors and non-majors covering many areas of music performance, theory, history, and literature. The BA degree can be completed evenings or days. In addition, the department sponsors numerous extracurricular events, including concerts, lectures, and master classes.

Private lessons in instruments and voice are provided to all performance majors and many other music majors by a distinguished roster of performance teachers. Financial aid is available to qualified performance majors and other majors who need to study with private teachers not on the staff.

Graduates of the department are active in classical and popular performance fields as singers, instrumentalists, and conductors. Concentration in music theory and composition can lead to career opportunities in orchestrating, choral or commercial arranging, film scoring, and music composing in contemporary and popular idioms. Concentration in music history paves the way for career opportunities in college teaching and musical scholarship, including such work as music journalism and criticism; lecturing; writing program and music-liner notes; editing, translating, and cataloging musical materials; and serving as a consultant to concert societies, opera houses, and publishers. Graduates of the BA/MA Degree in Education program are qualified to teach in the public elementary and high schools of New York State.

**Graduate Study**

Seniors of high academic standing who are recommended by the department may be permitted to take graduate courses for undergraduate credit. Seniors within 9 credits of graduation may apply to the Admissions Office for permission to take graduate courses creditable toward the MA degree.

**Programs and Courses**

Programs and Courses in Music

**Administration and Faculty**

Department Office:

416 North  
(212)772-5020  
fax: (212)772-5022  
Web site: http://www.hunter.cuny.edu/music  
E-mail: music@hunter.cuny.edu

Chair:

Ruth DeFord  
417 North  
212 772-5026  
rdeford@hunter.cuny.edu

Faculty

Music Faculty

HEGIS Code: 1004
Undergraduate Major

Music - BMus

60-Credit Major

This degree is designed for students planning to pursue careers as professional performers of music or as teachers of
music performance. It provides intensive instruction in the student’s instrument or voice; solid training in music history
and theory; and a broad, liberal arts education. Admission to this program is conditional on passing an audition
(preferably before the student enters college) demonstrating a high level of skill in performance. Requirements are:

Music history:

**MUSHL 20100 - Introduction to Music Research**

Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals,
scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing
issues specific to music.

*coreq: MUSHL 20500, prereq or coreq: ENGL 12000*

1 hr 1 cr.

offered fall

**MUSHL 20500 - Music History I**

PD/D

For music majors. Survey of the history of music in the European tradition to 1600.

*prereq: elementary knowledge of music history and literature, demonstrated by dept. exam, coreq: MUSHL 20100, prereq or coreq: MUSTH 22000, 23000, ENGL 12000, perm dept.*

3 hrs 3 cr.

offered fall

**MUSHL 20600 - Music History II (W)**

PD/D

For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600
to 1800.

*prereq: MUSHL 20100, 20500, ENGL 12000, prereq or coreq: MUSTH 22100, 23100*

3 hrs 3 cr.

offered spring

**MUSHL 30500 - Music History III (W)**
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.

**MUSHL 20600, MUSTH 22100, 23100**
3 hrs 3 cr.
offered fall

and any other 3-credit MUSHL course at the 300-level

**Music theory:**

**MUSTH 20100 - Introduction to Music Technology**

An introduction to basic music technology skills: music notation software, MIDI sequencing, and digital audio editing.

prereq or coreq: prereqs: MUSTH 22000 and 23000, or perm dept.
1 hr 1 cr.
offered spring

**MUSTH 22000 - Music Theory I**

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

prereq: ability to read music as demonstrated by dept. exam, perm dept.coreq: MUSTH 23000
3 hrs 3 cr.
offered fall

**MUSTH 22100 - Music Theory II**

Continuation of MUSTH 22000.

prereq: MUSTH 22000 coreq: MUSTH 23100
3 hrs 3 cr.
offered spring

**MUSTH 23000 - Musicianship I**

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.

coreq: MUSTH 22000
3 hrs 2 cr.
offered fall

**MUSTH 23100 - Musicianship II**

Continuation of MUSTH 23000.

prereq: MUSTH 23000 coreq: MUSTH 22100
3 hrs 2 cr.
offered spring

**MUSTH 32000 - Music Theory III**

Intermediate-level study of melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

prereq: MUSTH 20100, MUSTH 22100 coreq: MUSTH 33000
MUSTH 33000 - Musicianship III

Sight singing, ear training, and keyboard drill on materials studied in corequisite course. Individual work in the Computer Assisted Instruction facility.

prereq: MUSTH 23100
coreq: MUSTH 32000

3 hrs 2 cr.
offered fall

and any other 3-credit MUSTH course at the 300-level

Private lessons:

MUSPF 43100 - Individual Instruction in Instrument or Voice

Limited to students in the 60-credit BMus program and the BA/MA music program. Intensive study in instrumental or vocal techniques. Jury examination required.

May be taken 8 times.

prereq: perm dept.

1 hr 3 cr.

Performance ensembles:

For instrumentalists - 6 credits in instrumental ensembles

Choose 6 credits from the following:

MUSPF 23100 - Hunter Symphony

Rehearsal and performance of orchestral works. May be taken 8 times.

prereq: audition, perm instr.

3 hrs 1 cr.

MUSPF 24900 - Jazz Ensemble

Open to all instrumentalists by audition. Study and performance of popular forms of music, including dance, jazz, and musical comedy. May be taken 6 times.

2 hrs 1 cr.

MUSPF 35500 - Chamber Music Workshop

Rehearsal and public performance of instrumental chamber works. May be taken 6 times.

prereq: audition, perm instr.

2 hrs 1 cr.

MUSPF 25000 - Popular Music Combo
Study and performance within a small ensemble context of the popular music genres, such as Pop, Rock, Hip-Hop, R & B, Country/Bluegrass, and Jazz. May be taken 6 times.

prereq or coreq: prereqs: audition, perm dept.
2 hrs1 cr.

**MUSPF 36500 - Topics in Piano Performance**

Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance. 

*May be taken 4 times.*

coreq: MUSPF 40100 or 43100

2 hrs1 cr.

For singers

6 credits in vocal ensembles

**MUSPF 22100 - College Choir**

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.

3 hrs1 cr.

**MUSPF 25100 - Jazz Vocal Workshop Ensemble**

Jazz performance and improvisation. May be taken 6 times.

prereq: MUSPF 11100 or 21100 or 40100 in Voice, and audition

2 hrs1 cr.

**MUSPF 35300 - Chamber Singers**

Study and public performance of solo and chamber chorus works from all musical eras. May be taken 6 times.

prereq: audition, perm instr.

2 hrs1 cr.

**MUSPF 36900 - Topics in Vocal Performance**

Seminar in performance for advanced voice students, focusing on a different topic each semester. The seminar will involve study and performance of representative works of vocal repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

*May be taken 4 times.*

prereq: ENGL 12000 coreq: MUSPF 40100 or 43100

2 hrs1 cr.

for singers, a minimum of 2 credits must be in MUSPF 36900

For pianists

A minimum of 2 credits must be in
MUSPF 36500 - Topics in Piano Performance

Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.  
May be taken 4 times.  
coreq: MUSPF 40100 or 43100  
2 hrs1 cr.

Electives:

- 4 credits in music courses above the 100-level.

Recital:

- A senior recital, for which no credit is given, is also required.

Piano Proficiency Requirement

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

Music 25-Credit Major (BA)

This degree is designed for students who want to study music in the context of a general liberal arts education, but who do not plan to pursue careers in music. It may also be convenient for students who enter Hunter with a large number of transfer credits in music. Requirements are:

Music history:

MUSHL 20100 - Introduction to Music Research

Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals, scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing issues specific to music.  
coreq: MUSHL 20500prereq or coreq: ENGL 12000  
1 hr1 cr.  
offered fall

MUSHL 20500 - Music History I

PD/D  
For music majors. Survey of the history of music in the European tradition to 1600.  
prereq: elementary knowledge of music history and literature, demonstrated by dept. examcoreq: MUSHL 20100prereq or coreq: MUSTH 22000, 23000, ENGL 12000, perm dept.
MUSHL 20600 - Music History II (W)

PD/D
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600 to 1800.

prereq: MUSHL 20100, 20500, ENGL 12000
prereq or coreq: MUSTH 22100, 23100

3 hrs 3 cr.
offered fall

MUSHL 30500 - Music History III (W)

PD/D
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.

prereq: MUSHL 20600, MUSTH 22100, 23100

3 hrs 3 cr.
offered spring

Any other 3-credit MUSHL at the 300-level

Music theory:

MUSTH 22000 - Music Theory I

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

prereq: ability to read music as demonstrated by dept. exam, perm dept.coreq: MUSTH 23000

3 hrs 3 cr.
offered fall

MUSTH 22100 - Music Theory II

Continuation of MUSTH 22000.

prereq: MUSTH 22000coreq: MUSTH 23100

3 hrs 3 cr.
offered spring

MUSTH 23000 - Musicianship I

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.

coreq: MUSTH 22000

3 hrs 2 cr.
offered fall

MUSTH 23100 - Musicianship II
Continuation of MUSTH 23000.

**prereq:** MUSTH 23000

**coreq:** MUSTH 22100

3 hrs 2 cr.

**offered spring**

**Performance:**

**MUSPF 22100 - College Choir**

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.

3 hrs 1 cr.

**MUSPF 23100 - Hunter Symphony**

Rehearsal and performance of orchestral works. May be taken 8 times.

**prereq:** audition, perm instr.

3 hrs 1 cr.

**Piano Proficiency Requirement**

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

**Music 42-Credit Major (BA)**

This degree is designed for students planning to pursue professional careers in music. It provides basic training in all areas of music and serves as a foundation for graduate study of any aspect of the field. Requirements are:

**Music history:**

**MUSHL 20100 - Introduction to Music Research**

Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals, scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing issues specific to music.

**coreq:** MUSHL 20500

**prereq or coreq:** ENGL 12000

1 hr 1 cr.

**offered fall**

**MUSHL 20500 - Music History I**

PD/D

For music majors. Survey of the history of music in the European tradition to 1600.

**prereq:** elementary knowledge of music history and literature, demonstrated by dept. exam

**coreq:** MUSHL 20100

**prereq or coreq:** MUSTH 22000, 23000, ENGL 12000, perm dept.
MUSHL 20600 - Music History II (W)

PD/D
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600 to 1800.
prereq: MUSHL 20100, 20500, ENGL 12000
prereq or coreq: MUSTH 22100, 23100

3 hrs 3 cr.
offered fall

MUSHL 30500 - Music History III (W)

PD/D
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.
prereq: MUSHL 20600, MUSTH 22100, 23100

3 hrs 3 cr.
offered fall

And any other 3-credit MUSHL course at the 300-level

Music theory:

MUSTH 20100 - Introduction to Music Technology

An introduction to basic music technology skills: music notation software, MIDI sequencing, and digital audio editing.
prereq or coreq: prereqs: MUSTH 22000 and 23000, or perm dept.
1 hr 1 cr.
offered spring

MUSTH 22000 - Music Theory I

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.
prereq: ability to read music as demonstrated by dept. exam, perm dept.
coreq: MUSTH 23000
3 hrs 3 cr.
offered fall

MUSTH 22100 - Music Theory II

Continuation of MUSTH 22000.
prereq: MUSTH 22000
coreq: MUSTH 23100
3 hrs 3 cr.
offered spring

MUSTH 23000 - Musicianship I

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.
MUSTH 22000 - Musicianship II

Continuation of MUSTH 23000.

prereq: MUSTH 23000

MUSTH 23100 - Musicianship II

Continuation of MUSTH 23100.

prereq: MUSTH 22100

MUSTH 32000 - Music Theory III

Intermediate-level study of melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.

prereq: MUSTH 20100, MUSTH 22100
coreq: MUSTH 33000

MUSTH 33000 - Musicianship III

Sight singing, ear training, and keyboard drill on materials studied in corequisite course. Individual work in the Computer Assisted Instruction facility.

prereq: MUSTH 23100
coreq: MUSTH 32000

and any other 3-credit MUSTH course at the 300-level

Performance:

MUSPF 40100 - Individual Instruction in Instrument or Voice

Limited to the 42-credit BA music major, the 25-credit BA music major, the BA/MA music major and the music minor. Audition demonstrating performance skills equivalent to New York State School Music Association (NYSSMA) level 2 or higher. Students must make their own arrangements with department-listed teachers to receive credit for this course. Jury examination required. The jury examination following the second and subsequent semesters of private lessons must demonstrate performance skills equivalent to NYSSMA level 4 or higher.

May be taken 8 times.

prereq: perm dept.

1 hr1 cr.

2 credits in large ensembles

MUSPF 22100 - College Choir

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.

3 hrs1 cr.

MUSPF 23100 - Hunter Symphony
Rehearsal and performance of orchestral works. May be taken 8 times.

prereq: audition, perm instr.

3 hrs 1 cr.

2 credits in performance electives

**MUSPF 22100 - College Choir**

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.

3 hrs 1 cr.

**MUSPF 23100 - Hunter Symphony**

Rehearsal and performance of orchestral works. May be taken 8 times.

prereq: audition, perm instr.

3 hrs 1 cr.

**MUSPF 24900 - Jazz Ensemble**

Open to all instrumentalists by audition. Study and performance of popular forms of music, including dance, jazz, and musical comedy. May be taken 6 times.

2 hrs 1 cr.

**MUSPF 25000 - Popular Music Combo**

Study and performance within a small ensemble context of the popular music genres, such as Pop, Rock, Hip-Hop, R & B, Country/Bluegrass, and Jazz. May be taken 6 times.

prereq or coreq: prereqs: audition, perm dept.

2 hrs 1 cr.

**MUSPF 25100 - Jazz Vocal Workshop Ensemble**

Jazz performance and improvisation. May be taken 6 times.

prereq: MUSPF 11100 or 21100 or 40100 in Voice, and audition

2 hrs 1 cr.

**MUSPF 35300 - Chamber Singers**

Study and public performance of solo and chamber chorus works from all musical eras. May be taken 6 times.

prereq: audition, perm instr.

2 hrs 1 cr.

**MUSPF 35500 - Chamber Music Workshop**

Rehearsal and public performance of instrumental chamber works. May be taken 6 times.

prereq: audition, perm instr.

2 hrs 1 cr.
MUSPF 36500 - Topics in Piano Performance

Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

May be taken 4 times.

coreq: MUSPF 40100 or 43100

2 hrs1 cr.

MUSPF 36900 - Topics in Vocal Performance

Seminar in performance for advanced voice students, focusing on a different topic each semester. The seminar will involve study and performance of representative works of vocal repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

May be taken 4 times.

prereq: ENGL 12000

coreq: MUSPF 40100 or 43100

2 hrs1 cr.

MUSPF 40100 - Individual Instruction in Instrument or Voice

Limited to the 42-credit BA music major, the 25-credit BA music major, the BA/MA music major and the music minor. Audition demonstrating performance skills equivalent to New York State School Music Association (NYSSMA) level 2 or higher. Students must make their own arrangements with department-listed teachers to receive credit for this course. Jury examination required. The jury examination following the second and subsequent semesters of private lessons must demonstrate performance skills equivalent to NYSSMA level 4 or higher.

May be taken 8 times.

prereq: perm dept.

1 hr1 cr.

Electives:

- 4 credits in music courses above the 100-level

Piano Proficiency Requirement

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

Music Bachelor's Degrees

Return to: Department of Music

- Music 25-Credit Major (BA)
- Music 42-Credit Major (BA)
- Music - BMus
Major Programs

The Department of Music offers three undergraduate and two BA/MA major programs to fit individual interests and requirements. Students must take three examinations before declaring a music major:

1. **Music notation, rudimentary theory, and basic musicianship skills.** This examination is prerequisite to MUSTH 22000 (Music Theory I).

   Students who do not pass it must take MUSTH 10100 (Music Theory Fundamentals) or learn the material on their own, then repeat the examination.

2. **Elementary music history and literature.** This examination is prerequisite to MUSHL 20500 (Music History I). Students who do not pass it must take MUSHL 10100 (Introduction to Music) or learn the material on their own, then repeat the examination.

3. **Performance audition on an instrument or voice.** This examination is prerequisite to MUSPF 40100 (Private Instruction in Instrument or Voice). Students whose performance skills fall below New York State School Music Association (NYSSMA) level 2, equivalent to about one year of study, must take MUSPF 21100-MUSPF 21200 (Voice I-II), MUSPF 21300-MUSPF 21400 (Piano III), or private lessons at their own expense (without credit), then repeat the examination. Students with no experience in performance may defer the audition until the end of their first semester of study.

Prospective majors should consult the Music Department’s undergraduate adviser as soon as possible to discuss these examinations and any prerequisite courses they may need before beginning the major.

Piano Proficiency Requirement

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the third semester of study in music theory (MUSTH 32000). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.

Minor in Music

The music minor consists of 15 credits in music:

**MUSTH 10100 - Music Theory Fundamentals**

GER 2/D
For non-majors. Introduction to music theory, sight singing, and ear training.
3 hrs 3 cr.

**MUSHL 10100 - Introduction to Music**

GER 2/D PD/D
For non-majors. Selected compositions primarily from the European tradition studied with aim to develop perceptive listening.
3 hrs 3 cr.

-or-
MUSHL 10700 - The World of Music

GER 2/D PD/A
For non-majors. Introduction to music from a spectrum of world cultures, including Africa, Asia, and the Caribbean.
3 hrs 3 cr.
- one course with an MUSHL prefix at the 200-level; and 6 credits of music electives, 3 of which must be at the 200-level or higher.

Prospective minors who have already mastered the material taught in the required 100-level courses MUSTH 10100 and/or MUSHL 10100 or MUSHL 10700) may be exempted from these courses by passing the same entrance examination that is required of prospective music majors (see above). Music minors may substitute more advanced courses in any area of music study, including private lessons (subject to availability) and ensembles, for the courses from which they are exempt. PLEASE NOTE: Music minors who wish to take private lessons for credit (MUSPF 40100) must first pass both the performance audition and music theory portions of the entrance examination.

Grading Policies

Students must have grades of C or better in all prerequisite courses in order to take courses that are required for the major. The grade of CR may not be elected in major courses. In accordance with Hunter College policy, a course may not be taken more than twice without permission of the department.

Honors

To qualify for departmental honors in music, a student must have a 3.5 grade point average in major courses and complete an honors project, taken under the following course number. The project, which must be approved in advance by the Policy Committee, may be a research paper on a historical, theoretical, or other topic; an original composition; or a recital. All projects should demonstrate an advanced level, a broad scope, and a high quality, and must be done under the supervision of a faculty member of the Music Department.

MUSTH 49100 - Honors Project

Upper Jr/Sr only. Individual project of large scope in music history, theory, composition, or performance.
prereq: minimum music GPA of 3.5, perm undergrad adviser
1 sem 3 cr.

MUSTH 49200 - Honors Project

prereq: MUSTH 49100
1 sem 3 cr.

Graduate Study

Seniors of high academic standing who are recommended by the department may be permitted to take graduate courses for undergraduate credit. Seniors within 9 credits of graduation may apply to the Admissions Office for permission to take graduate courses creditable toward the MA degree.

Undergraduate Major/Graduate Major
Music - BA/MA

4-Year Dual BA/MA Degree

The department offers unusually gifted students the opportunity to obtain a master’s degree in four years with a minimum of 120 credits. Requirements are the same as those for the 42-credit BA plus those for the MA in music (30 credits at the graduate level; see graduate catalog). Students may be admitted to this program only after they have completed at least 60 credits of college work, including at least 29 credits in music (three semesters of music history, four semesters of music theory, and four semesters of musicianship). At least 12 credits (including six in music) must have been taken at Hunter College, and students must have a cumulative GPA of at least 3.5 with no grade of less than B in any music course. At that time, they must fulfill all requirements for entry into the MA program except completion of the BA degree. The graduate adviser must be consulted about the MA requirements.

Music/Music Teacher Education Pre-K-12 - BA/MA

Major Programs

The Department of Music offers three undergraduate and two BA/MA major programs to fit individual interests and requirements. Students must take three examinations before declaring a music major:

1. **Music notation, rudimentary theory, and basic aural skills.** This examination is prerequisite to MUSTH 22000 (Music Theory I).

   Students who do not pass it must take MUSTH 10100 (Basic Musicianship) or learn the material on their own, then repeat the examination.

2. **Elementary music history and literature.** This examination is prerequisite to MUSHL 20500 (Music History I). Students who do not pass it must take MUSHL 10100 (Introduction to Music) or learn the material on their own, then repeat the examination.

3. **Performance audition on an instrument or voice.** This examination is prerequisite to MUSPF 40100 (Private Instruction in Instrument or Voice). Students whose performance skills fall below New York State School Music Association (NYSSMA) level 2, equivalent to about one year of study, must take MUSPF 21100-MUSPF 21200 (Voice I-II), MUSPF 21300-MUSPF 21400 (Piano III), or private lessons at their own expense (without credit), then repeat the examination. Students with no experience in performance may defer the audition until the end of their first semester of study.

   Prospective majors should consult the Music Department’s undergraduate adviser as soon as possible to discuss these examinations and any prerequisite courses they may need before beginning the major.

Piano Proficiency Requirement

All music majors must demonstrate elementary proficiency at the piano. Students should plan to fulfill this requirement during their first year of study. A passing grade on the piano proficiency examination is a prerequisite for the second year of study in music theory (MUSTH 32000 and MUSTH 32100). Students entering Hunter with limited keyboard background may take MUSPF 21300-MUSPF 21400 (Piano I and II) for elective credit or private lessons in piano at their own expense. The Music Department office has a list of recommended piano teachers.
5- to 6-Year Dual BA/MA Degree in Teacher Education

Exceptionally qualified students may obtain a master’s degree in teacher education in 5-6 years with a minimum of 140 credits. Requirements are the same as those for the 42-credit BA plus requirements for the MA degree in music teacher education (see graduate catalog). Students may be admitted to this program only after they have completed at least 60 credits of college work, including at least 29 credits in music (three semesters of music history, four semesters of music theory, and four semesters of musicianship). At least 12 credits (including six in music) must have been taken at Hunter College, and students must have a cumulative GPA of at least 3.5 with no grade of less than B in any music course. They must have passed the Music Department’s piano proficiency examination and an audition-interview demonstrating reasonable mastery of an instrument or voice. In addition, they must either have passed the LAST (Liberal Arts and Sciences Test) or fulfilled the following requirements of the School of Education:

a. Completion of developmental courses;
b. Grade of B- or better in ENGL 12000 or a 200-level English course;
c. Application, on-site essay, and interview with the School of Education;
d. Proof of negative result on TB test;
e. Maximum of 6 credits taken with CR/NC grades, or else calculation of those grades as C/F for computation of grade-point average.

Admission requires the consent of both the Music Department and the School of Education. See the School of Education section of both the undergraduate and graduate catalogs for more information.

Minor

For 25-credit music majors, the minor consists of 12 credits in a field of study leading to a BA degree and approved by the Music Department adviser. Double-majors and students in other music major programs are exempt from the minor requirement. Minor courses can be used without limit to satisfy stages 1, 2, and 3 of the GER.

Minor for non-Majors

For students minoring in music, the requirements are determined by the student’s major department. See your major adviser. The Music Department recommends the following courses. Because 300-level courses are intended primarily for music majors and have extensive prerequisites, students whose major departments require a 300-level course in the minor may, with permission of their adviser, substitute a 200-level course in the music minor.

MUSTH 10100 - Music Theory Fundamentals

GER 2/D
For non-majors. Introduction to music theory, sight singing, and ear training.
3 hrs 3 cr.
or

MUSTH 22000 - Music Theory I

Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.
prereq: ability to read music as demonstrated by dept. exam, perm dept.coreq: MUSTH 23000
**MUSTH 23000 - Musicianship I**

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.

*coreq: MUSTH 22000*

3 hrs 2 cr.

**MUSHL 10100 - Introduction to Music**

GER 2/D PD/D

For non-majors. Selected compositions primarily from the European tradition studied with aim to develop perceptive listening.

3 hrs 3 cr.

**MUSHL 10700 - The World of Music**

GER 2/D PD/A

For non-majors. Introduction to music from a spectrum of world cultures, including Africa, Asia, and the Caribbean.

3 hrs 3 cr.

- One course with an MU-H prefix at the 200-level
- 1-3 credits of music electives

**Grading Policy**

Students must have grades of C or better in all prerequisite courses in order to take courses that are required for the major. The grade of CR may not be elected in major courses. In accordance with Hunter College policy, a course may not be taken more than twice without permission of the department.

**Honors**

To qualify for departmental honors in music, a student must have a 3.5 grade point average in major courses and complete an honors project, taken under the following course number. The project, which must be approved in advance by the Policy Committee, may be a research paper on a historical, theoretical, or other topic; an original composition; or a recital. All projects should demonstrate an advanced level, a broad scope, and a high quality, and must be done under the supervision of a faculty member of the Music Department.

**MUSTH 49100 - Honors Project**

Upper Jr/Sr only. Individual project of large scope in music history, theory, composition, or performance.

*prereq: minimum music GPA of 3.5, perm undergrad adviser*

1 sem 3 cr.

**MUSTH 49200 - Honors Project**
prereq: MUSTH 49100
1 sem 3 cr.

Music: Introductory Courses

MUSHL 10100 - Introduction to Music

GER 2/D PD/D
For non-majors. Selected compositions primarily from the European tradition studied with aim to develop perceptive listening.
3 hrs 3 cr.

MUSHL 10700 - The World of Music

GER 2/D PD/A
For non-majors. Introduction to music from a spectrum of world cultures, including Africa, Asia, and the Caribbean.
3 hrs 3 cr.

MUSTH 10100 - Music Theory Fundamentals

GER 2/D
For non-majors. Introduction to music theory, sight singing, and ear training.
3 hrs 3 cr.

Music: History and Literature of Music

MUSHL 20100 - Introduction to Music Research

Techniques of research and writing about music. Sources of information (reference books, monographs, periodicals, scores, recordings, Internet resources); types of writing (theoretical, historical, ethnomusicological, critical); writing issues specific to music.
coreq: MUSHL 20500 or coreq: ENGL 12000
1 hr 1 cr.
offered fall

MUSHL 20500 - Music History I

PD/D
For music majors. Survey of the history of music in the European tradition to 1600.
prereq: elementary knowledge of music history and literature, demonstrated by dept. exam
coreq: MUSHL 20100 or coreq: MUSTH 22000, 23000, ENGL 12000, perm dept.
3 hrs 3 cr.
offered fall

MUSHL 20600 - Music History II (W)
For music majors. Continuation of MUSHL 20500. Survey of the history of music in the European tradition from 1600 to 1800.

**MUSHL 21000 - Music for the Piano (W)**

GER 3/A PD/D

Piano literature from the 18th century to the present.

**MUSHL 21200 - Masterpieces of Opera (W)**

GER 3/A PD/D

Study of operatic styles of such composers as Mozart, Verdi, and Wagner.

**MUSHL 21700 - History of Jazz (W)**

GER 3/A PD/B

Survey of jazz from its origins to the present.

**MUSHL 22100 - Black Music in the Americas (W)**

GER 3/A PD/B

The origins, history, and evolutionary progression of Black music in the Americas; shared musical practices and resources in the multicultural matrix of the United States in particular and the hemisphere in general.

**MUSHL 22700 - Master Composers (W)**

GER 3/A

Study of works of single composer. Topics to be announced. May be taken 6 times.

**MUSHL 23100 - Folk and Traditional Music (W)**

GER 3/A

Study of ethnic music of selected cultures.
MUSHL 24000 - Music of the Caribbean and Latin America (W)

GER 3/A PD/A
Origin and development of Caribbean and Latin American musical styles and their impact on the United States and other parts of the world.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 101, or perm instr.
3 hrs3 cr.

MUSHL 24100 - Music of Asia (W)

GER 3/A PD/A
Music and its relationship to dance and drama in the major civilizations of East Asia, Southeast Asia, South Asia, Central Asia, and the Middle East.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.

MUSHL 24500 - Music of Africa (W)

GER 3/A PD/A
Introduction to traditional and popular African music and performance practices. Theoretical and methodological issues as defined by ethnomusicology.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.

MUSHL 25000 - Women and Music (W)

GER 3/A PD/C
An ethnomusicological study of women and music in cross-cultural perspective.
cross-listed WGS 25000 (W)
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, WGS 10000, or perm. Instr.
3 hrs3 cr.

MUSHL 25200 - Film Music (W)

GER 3/A
Introduction to the history, aesthetic, form and techniques of film music, for everyone interested in film or film music, from the casual viewer of television movies and videotapes to film and music majors.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.

MUSHL 26100 - Special Topics in History and Literature of Music (W)

GER 3/A PD/A or B or C
Study of works illustrating one specific genre, style, or period. Topics to be announced. May be taken 6 times. Depending on topic, may satisfy PD.
prereq: ENGL 12000; one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.
3 hrs3 cr.

MUSHL 26200 - Special Topics in Music (W)
A study of a musical topic outside the traditional classifications of music history, theory, and performance. Topics to be announced.  
*prereq:* ENGL 12000; MUSHL 10100, 10700, 20500, MUSTH 10100, or perm instr.  
3 hrs 3 cr.

**MUSHL 30500 - Music History III (W)**

*PD/D*
Continuation of MUSHL 20600. Survey of the history of music in the European tradition from 1800 to the present.  
*prereq:* MUSHL 20600, MUSTH 22100, 23100  
3 hrs 3 cr.  
offered fall

**MUSHL 30600 - Music History IV (W)**

*PD/D*
Central issues in the history of European music, such as the role of patronage in musical culture, relationships of musical style to instruments and performing ensembles, and the impact of historical consciousness on contemporary musical life.  
*prereq:* MUSHL 30500  
3 hrs 3 cr.  
offered spring

**MUSHL 35200 - Introduction to Ethnomusicology I (W)**

*PD/A*
*prereq:* MUSTH 22100, 23100 or perm instr; ENGL 12000  
3 hrs 3 cr.

**MUSHL 35300 - Introduction to Ethnomusicology II (W)**

*PD/A*
Survey of musical traditions of North Africa, the Middle East, Oceania, and South and East Asia.  
*prereq:* MUSTH 22100, 23100 or perm instr; ENGL 12000  
3 hrs 3 cr.

**MUSHL 36100 - Special Topics in History and Literature of Music (W)**

Specialized study of selected genre, locality, period, style, composer, or problem. Topics to be announced. May be taken 6 times.  
*prereq:* ENGL 12000, variable music courses  
3 hrs 3 cr.

**MUSHL 49800 - Music Internship**

Internship in various arts institutions in New York City.  
*prereq:* perm dept.  
1-6 cr.
Music Performance

**MUSPF 11100 - Elementary Voice I**
For non majors. Fundamentals of breath control, tone production, and articulation. Vocalises and simple songs.
2 hrs 1 cr.

**MUSPF 11200 - Elementary Voice II**
prereq: MUSPF 11100
2 hrs 1 cr.

**MUSPF 12100 - Elementary Guitar I**
For non majors. Class lessons in guitar: basic techniques, tuning, reading chord charts, playing and transposing songs, and learning chords, strums, and finger-pickings. Students must supply their own instruments.
prereq: MUSTH 10100 or perm dept.
2 hrs 1 cr.

**MUSPF 12200 - Elementary Guitar II**
prereq: MUSPF 12100
2 hrs 1 cr.

**MUSPF 13100 - Elementary Piano I**
For non majors. Class lessons in piano: basic techniques, playing simple pieces.
prereq: MUSTH 10100 or perm dept.
2 hrs 1 cr.

**MUSPF 13200 - Elementary Piano II**
prereq: MUSPF 13100
2 hrs 1 cr.

**MUSPF 21100 - Voice I**
prereq: declared music major or perm dept.
2 hrs 1 cr.

**MUSPF 21200 - Voice II**
Continuation of MUSPF 21100.
prereq: MUSPF 21100 or perm dept.
2 hrs 1 cr.
MUSPF 21300 - Piano I

Basic piano techniques, scales and chords, exercises, simple pieces, and sight-reading.

*prereq: declared music major or perm dept.*

2 hrs 1 cr.

MUSPF 21400 - Piano II

Continuation of MUSPF 21300.

*prereq: MUSPF 21300 or perm dept.*

2 hrs 1 cr.

MUSPF 22100 - College Choir

Open to all students. Rehearsal and public performance of major choral works. May be taken 8 times.

3 hrs 1 cr.

MUSPF 23100 - Hunter Symphony

Rehearsal and performance of orchestral works. May be taken 8 times.

*prereq: audition, perm instr.*

3 hrs 1 cr.

MUSPF 24900 - Jazz Ensemble

Open to all instrumentalists by audition. Study and performance of popular forms of music, including dance, jazz, and musical comedy. May be taken 6 times.

2 hrs 1 cr.

MUSPF 25000 - Popular Music Combo

Study and performance within a small ensemble context of the popular music genres, such as Pop, Rock, Hip-Hop, R & B, Country/Bluegrass, and Jazz. May be taken 6 times.

*prereq or coreq: prereqs: audition, perm dept.*

2 hrs 1 cr.

MUSPF 25100 - Jazz Vocal Workshop Ensemble

Jazz performance and improvisation. May be taken 6 times.

*prereq: MUSPF 11100 or 21100 or 40100 in Voice, and audition*

2 hrs 1 cr.

MUSPF 34900 - Conducting I

Principles of choral and orchestral conducting: technique of the baton, interpretation, repertoire, and score reading.

*prereq: MUSTH 33100 or perm instr.coreq: audit MUSPF 22100 or 23100*

3 hrs 2 cr.
MUSPF 35000 - Conducting II

Continuation of MUSPF 34900.

prereq: MUSPF 34900 and MUSTH 33100 or perm instr.
coreq: audit MUSPF 22100 or 23100
3 hrs 2 cr.

MUSPF 35300 - Chamber Singers

Study and public performance of solo and chamber chorus works from all musical eras. May be taken 6 times.

prereq: audition, perm instr.
2 hrs 1 cr.

MUSPF 35500 - Chamber Music Workshop

Rehearsal and public performance of instrumental chamber works. May be taken 6 times.

prereq: audition, perm instr.
2 hrs 1 cr.

MUSPF 36100 - Special Studies in Performance of Music

Number of works are studied, rehearsed, and performed. Topics to be announced.
May be taken 4 times.
prereq: perm dept.
1 cr.

MUSPF 36200 - Special Studies in Performance of Music

Number of works are studied, rehearsed, and performed. Topics to be announced.
May be taken 4 times.
prereq: perm dept.
2 cr.

MUSPF 36300 - Special Studies in Performance of Music

Number of works are studied, rehearsed, and performed. Topics to be announced.
May be taken 4 times.
prereq: perm dept.
3 cr.

MUSPF 36500 - Topics in Piano Performance

Seminar in performance for advanced piano students focusing on a different topic area each semester. The seminar will involve study and performance of representative works of piano repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.
May be taken 4 times.
coreq: MUSPF 40100 or 43100
2 hrs 1 cr.

MUSPF 36900 - Topics in Vocal Performance
Seminar in performance for advanced voice students, focusing on a different topic each semester. The seminar will involve study and performance of representative works of vocal repertoire relevant to the semester’s topic area. Each semester will also include individual attention to problems of public performance.

May be taken 4 times.

**prereq:** ENGL 12000

**coreq:** MUSPF 40100 or 43100

2 hrs 1 cr.

**MUSPF 40100 - Individual Instruction in Instrument or Voice**

Limited to the 42-credit BA music major, the 25-credit BA music major, the BA/MA music major and the music minor. Audition demonstrating performance skills equivalent to New York State School Music Association (NYSSMA) level 2 or higher. Students must make their own arrangements with department-listed teachers to receive credit for this course. Jury examination required. The jury examination following the second and subsequent semesters of private lessons must demonstrate performance skills equivalent to NYSSMA level 4 or higher.

May be taken 8 times.

**prereq:** perm dept.

1 hr 1 cr.

**MUSPF 40200 - Individual Instruction in Second Instrument or Voice**

Individual instruction in second instrument or voice. Limited to the 42-credit BA music major, 25-credit BA music major, 60-credit BMus major, BA/MA music major and the music minor. Audition demonstrating performance skills equivalent to New York State School Music Association (NYSSMA) level 2 or higher. Students must make their own arrangements with department-listed teachers to receive credit for this course. Jury examination required.

May be taken 8 times.

**prereq:** perm dept.

1 hr 1 cr.

**MUSPF 43100 - Individual Instruction in Instrument or Voice**

Limited to students in the 60-credit BMus program and the BA/MA music program. Intensive study in instrumental or vocal techniques. Jury examination required.

May be taken 8 times.

**prereq:** perm dept.

1 hr 3 cr.

**Music Theory**

**MUSTH 20100 - Introduction to Music Technology**

An introduction to basic music technology skills: music notation software, MIDI sequencing, and digital audio editing.

**prereq or coreq:** prereqs: MUSTH 22000 and 23000, or perm dept.

1 hr 1 cr.

offered spring

**MUSTH 22000 - Music Theory I**
Review of fundamentals of music theory; introduction to melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.
prereq: ability to read music as demonstrated by dept. exam, perm dept.coreq: MUSTH 23000
3 hrs3 cr.
offered fall

MUSTH 22100 - Music Theory II

Continuation of MUSTH 22000.
prereq: MUSTH 22000coreq: MUSTH 23100
3 hrs3 cr.
offered spring

MUSTH 23000 - Musicianship I

Sight singing, ear training, and keyboard drill on materials studied in the corequisite course. Individual work in the Computer Assisted Instruction facility.
coreq: MUSTH 22000
3 hrs2 cr.
offered fall

MUSTH 23100 - Musicianship II

Continuation of MUSTH 23000.
prereq: MUSTH 23000coreq: MUSTH 22100
3 hrs2 cr.
offered spring

MUSTH 32000 - Music Theory III

Intermediate-level study of melodic, rhythmic, contrapuntal, harmonic, and formal organization of music.
prereq: MUSTH 20100, MUSTH 22100coreq: MUSTH 33000
3 hrs3 cr.
offered fall

MUSTH 32100 - Music Theory IV

Continuation of MUSTH 32000.
prereq: MUSTH 32000
3 hrs3 cr.

MUSTH 33000 - Musicianship III

Sight singing, ear training, and keyboard drill on materials studied in corequisite course. Individual work in the Computer Assisted Instruction facility.
prereq: MUSTH 23100coreq: MUSTH 32000
3 hrs2 cr.
offered fall

MUSTH 33100 - Musicianship IV
Continuation of MUSTH 33000.

prereq: MUSTH 33000  
coreq: MUSTH 32100  
3 hrs 2 cr.  
offered spring

MUSTH 33300 - Composition I

Practical study of music composition; traditional pitch materials; motivic materials; formal schemes. Students will write several short compositions and perform them in class.

prereq: MUSTH 22100 and 23100 or perm dept.  
3 hrs 3 cr.

MUSTH 33400 - Composition II

Practical study of music composition. New pitch materials; composing for solo instruments; using contrast to build form. Students will write several short compositions and perform them in class.

May be taken before Composition I.

prereq: MUSTH 22100 and 23100 or perm dept.  
3 hrs 3 cr.

MUSTH 33500 - Orchestration

Capabilities and limitations of the orchestral instruments; practice in scoring for small and large groups; instrument demonstrations and reading session.

prereq: MUSTH 22100 and 23100 or perm dept.  
3 hrs 3 cr.

MUSTH 35100 - Computer Music

Making music with computers using technologies such as MIDI sequencing, hardware synthesis, and digital audio. Promises and limitations of these tools.

prereq: MUSTH 22100 and 23100 or perm dept.  
3 hrs 3 cr.

MUSTH 36100 - Special Topics in Music Theory

Study of selected issues in music theory and analysis. Topics to be announced. May be taken two times.

prereq: variable  
3 hrs 3 cr.

MUSTH 37000 - Jazz Techniques and Arranging

Study of jazz harmony and rhythm, jazz composition, and jazz arranging.

prereq: MUSTH 20100, 22100 and 23100 or perm dept.  
3 hrs 3 cr.

MUSTH 37100 - Jazz Improvisation
Study and performance of jazz improvisational techniques.  
*prereq:* MUSTH 37000 or perm dept.  
3 hrs 3 cr

**MUSTH 38500 - Private Lessons in Composition**

Intensive study of music composition for advanced students. May be taken four times.  
*prereq:* MUSTH 33300, 33400, perm dept.  
3 hrs 3 cr.

**MUSTH 49100 - Honors Project**

Upper Jr/Sr only. Individual project of large scope in music history, theory, composition, or performance.  
*prereq:* minimum music GPA of 3.5, perm undergrad adviser  
1 sem 3 cr.

**MUSTH 49200 - Honors Project**

*prereq:* MUSTH 49100  
1 sem 3 cr.

**Music: Individual Study**

**MUSIN 20101 - Individual Study Project**

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.  
1 cr.

**MUSIN 20102 - Individual Study Project**

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.  
2 cr.

**MUSIN 20103 - Individual Study Project**

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.  
3 cr.
MUSIN 30101 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.
1 cr.

MUSIN 30102 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.
2 cr.

MUSIN 30103 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.
3 cr.

MUSIN 40101 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.
1 cr.

MUSIN 40102 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student's choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.
2 cr. per sem.

MUSIN 40103 - Individual Study Project

Limited to music majors and music minors. Independent work on a project of the student’s choice under the guidance of an approved supervisor who will provide the course grade. Proposals for projects must be submitted to the policy committee of the Music Department by the twelfth week of the preceding semester. Permission to enroll in the course is conditional on approval of the proposal by the committee.
3 cr.

Programs and Courses in Philosophy
Philosophy

About the Department

Philosophy studies the most fundamental questions that human beings ask — about individual and social action, the possibility and limits of knowledge, the truth and justification of beliefs, human nature and freedom, the existence of God and the operations of nature. Philosophy approaches these questions in a systematic way and philosophers have worked out more or less comprehensive theories to answer them (or show why they cannot be answered). The courses offered by the Philosophy Department are designed to introduce students to the main problems that philosophers study and to the main ideas of such profound and influential thinkers as Socrates, Plato, Aristotle, Augustine, Aquinas, Descartes, Hume and Kant.

Philosophy is one of the most important subjects a student can study because it develops the ability to reason clearly and critically, to write thoughtfully, to use intelligence and logic to deal with problems all too often ruled by emotion and prejudice. Philosophy also helps one develop intellectual flexibility and learn to appreciate ideas and beliefs other than those of one’s own time, place, class or group. Since it develops these intellectual abilities and habits, the study of philosophy, either in individual courses or as a major or minor, is excellent preparation for any profession or occupation.

Students of philosophy pursue careers in law, business, medicine, government and the arts. Some go on to study philosophy at the graduate level with the aim either of teaching philosophy or of obtaining an advanced degree to further their career objectives.

Course Listings

The department especially encourages students majoring in or interested in philosophy, both with fewer than 6 credits toward the major in philosophy, to consult with a departmental adviser about courses and their prerequisites at this stage of their academic stay at Hunter.

Programs and Courses

Programs and Courses in Philosophy

Administration and Faculty

Department Office:

1413 West
(212) 772-4970
Web site: http://www.hunter.cuny.edu/philosophy

Chair:

Laura S. Keating
1418 West
(212) 772-4972
lkeating@hunter.cuny.edu
Faculty

Philosophy Faculty

HEGIS Code: 1509

Undergraduate Major

Philosophy - BA

Major

The Philosophy Department offers two concentrations: 1) the Standard concentration and 2) the concentration in Philosophy, Politics and Society (PPS).

Standard Concentration

Prerequisite

One of the following:

PHILO 10100 - Introduction to Philosophy

GER 2/C
Examination of basic philosophical questions through study of selected philosophical classics.
3 hrs 3 cr.
offered each semester

PHILO 10300 - Introduction to Logic and Critical Thinking

GER 2/C
Recognizing arguments; traditional logic including concepts, propositions, categorical, hypothetical and disjunctive syllogisms; argument structure, natural language argumentation, fallacies.
3 hrs 3 cr.
offered each semester

PHILO 10400 - Introduction to Ethics

GER 2/C
Examination of standards of right conduct and the good life through study of selected philosophical classics.
PHILO 10600 - Philosophy, Politics and Society

GER 2/C PD/D
Introduction to social and political philosophy.
3 hrs3 cr.
offered each semester

Macaulay Honors students may take either

PHILO 20300 - Great Philosophers: Ancient and Medieval

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the dawn of philosophy in ancient Greece to the time of the Renaissance.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

-or-

PHILO 20400 - Great Philosophers: Modern and Contemporary

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the rise of modern philosophy in the 17th century to the present.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

Note:

None of these courses counts toward the major requirements, though any one is a prerequisite for declaring a major.

The Standard Concentration

consists of 30 credits distributed as follows:

1. 3 cr. in logic:

PHILO 17100 - Introduction to Symbolic Logic

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.
3 hrs3 cr.

2. 9 cr. in history of philosophy:

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)
GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)
GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21800 - Revolutions in Modern Philosophy (W)
GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

3. 3 cr. in ethics, politics and aesthetics:

any course from

PHILO 24400 - Moral Philosophy (W)
GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 24600 - Political Philosophy (W)
GER 3/B
Study of selected philosophical problems in politics, law, economics and society.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25800 - Aesthetics (W)
GER 3/A
Study of philosophical issues that arise in our understanding and criticism of the arts. Topics include nature of expression, purpose and standards of criticism and aesthetic value.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

4. 3 cr. in metaphysics and epistemology:

any course from
PHILO 36000 - Metaphysics (W)

GER 3/A
Study of major metaphysical views, such as materialism, idealism, nominalism and realism. The major question is: What is reality and how may it be known?
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 36200 - Theory of Knowledge (W)

GER 3/A
Study of origin, structure, methods and foundations of human knowledge.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 36400 - Philosophy of Language (W)

GER 3/A
Inquiry into the philosophical significance of language, its structure, meaning, reference and use.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 36600 - Philosophy of Mind (W)

GER 3/A
Examination of the concept of mind and the person. Topics include thinking, intention, consciousness, supervenience, emotion, self-knowledge.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 37900 - Philosophy of Science (W)

GER 3/B
Study of foundations of knowledge in natural and social sciences.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

5. 3 cr. in the intensive study of a major philosopher:

any course from

PHILO 38000 - Plato (W)

GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs4 cr

PHILO 38100 - Aristotle (W)
GER 3/A
Close study of Aristotle's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38200 - Major Figure in Medieval Philosophy (W)
GER 3/A
A study of the works and legacy of one of the major philosophers of the Middle Ages such as Augustine, Averroes, Maimonides, or Aquinas. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38300 - Major Figure in Early Modern Philosophy (W)
GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38400 - Kant (W)
GER 3/A
A study of some of Kant's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38500 - Plotinus (W)
GER 3/A
A study of the background, writings and legacy of Plotinus.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38600 - Hegel (W)
GER 3/A
Study of some of Hegel's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38700 - Nietzsche (W)
GER 3/A
Study of Nietzsche's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.
PHILO 38800 - Wittgenstein (W)

GER 3/A
Development of Wittgenstein's thought through intensive study of his major works.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38900 - Heidegger (W)

GER 3/A
Detailed study of the central themes in Being and Time and their development in his later essays.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 39000 - Marx (W)

GER 3/A
Study of some of Marx's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

6. 9 additional cr.

- Chosen in consultation with an adviser. Students are required to select at least one course (3 cr.) at the 300-level. Also they are encouraged to select courses that acquaint them with philosophic traditions other than the dominant Western ones.

Concentration in Philosophy, Politics and Society

Prerequisite

Students are encouraged to take

PHILO 10600 - Philosophy, Politics and Society

GER 2/C PD/D
Introduction to social and political philosophy.
3 hrs3 cr.
offered each semester

Macaulay Honors students may take either

PHILO 20300 - Great Philosophers: Ancient and Medieval

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the dawn of philosophy in ancient Greece to the time of the Renaissance.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.
PHILO 20400 - Great Philosophers: Modern and Contemporary

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the rise of modern philosophy in the 17th century to the present.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

Note:
None of these courses counts toward the major requirements.

The concentration in Philosophy, Politics and Society

consists of 30 credits distributed as follows:

9 credits in history of philosophy

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21800 - Revolutions in Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

3 credits in political philosophy

PHILO 24600 - Political Philosophy (W)

GER 3/B
Study of selected philosophical problems in politics, law, economics and society.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

3 credits in social philosophy

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

- or -

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

3 credits in the intensive study of a major philosopher, preferably concerning their political and/or social ideas,

for example

PHILO 38000 - Plato (W)

GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs 4 cr

PHILO 38100 - Aristotle (W)

GER 3/A
Close study of Aristotle's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.
PHILO 38400 - Kant (W)

GER 3/A
A study of some of Kant's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38600 - Hegel (W)

GER 3/A
Study of some of Hegel's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38700 - Nietzsche (W)

GER 3/A
Study of Nietzsche's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 39000 - Marx (W)

GER 3/A
Study of some of Marx's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

3 credits in the study of recent issues in political and social philosophy

PHILO 34600 - Justice in Contemporary Society (W)

GER 3/B
A study of concepts of justice developed in the 20th century and their relevance to problems of contemporary society, such as social welfare, property rights and democratic government.

3 hrs 3 cr

9 credits in electives

chosen from 200- and 300-level PHIL courses (excluding PHILO 20300 and PHILO 20400 , but including PHILO 17100 ); 6 credits of this requirement may be taken from the nondepartmental courses listed below. It is also recommended that 3 credits be taken on philosophical approaches to class, race, or gender; the following philosophy courses satisfy this recommendation: PHILO 22000 - Radical Philosophy (W) , PHILO 22600 - African-American Philosophy (W) , or PHILO 23000 - Feminism: Philosophical Theory and Practice (W)

Nondepartmental courses to satisfy elective requirement

AFPRL 40100 - Pan-Africanism
**GER 3/B**
Seminar traces development of Pan-Africanism through the 20th century.
*Not open to freshmen.*
*prereq: AFPRL 20200 or 20400 or 20600*
*3 hrs3 cr.*

**AFPRL 40200 - African American Political Thought**

**GER 3/B**
Comparative theorists; methods and ideological currents.
*prereq: AFPRL 20300 or 20400 or 20500*
*3 hrs3 cr.*

**HIST 33100 - European Culture in the 16th, 17th and 18th Centuries (W)**

**GER 3/B**
The impact of the Reformation, Counter- Reformation, the Scientific Revolution and related movements.
*Courses at the 300-level and above not offered to freshmen.*
*prereq or coreq: ENGL 12000*
*3 hrs3 cr.*

**HIST 33200 - Modern Culture from the 18th to the 20th Centuries**

**GER 3/B**
From the impact of the Scientific Revolution and the Enlightenment to recent literature, art, religion and science. European political and social thought.
*Courses at the 300-level and above not offered to freshmen.*
*3 hrs*

**POLSC 20100 - Ancient to Early Modern Political Thought (W)**

**GER 3/B PD/D**
The study of selected writers from the ancient Greeks to the Renaissance (e.g., Plato to Machiavelli), focusing on the political dimensions of such ideas as rationality, virtue, community, human nature and historical change.
*prereq: ENGL 12000 or its equivalent*
*3 hrs3 cr.*

**POLSC 20200 - Modern Political Thought (1600-1900) (W)**

**GER 3/B PD/D**
The study of selected political writers (e.g., Hobbes to Nietzsche), with special emphasis given to the nature of and problems with, liberty, equality and justice in modern societies and states.
*prereq: ENGL 12000 or its equivalent*
*3 hrs3 cr.*

**POLSC 20300 - Political Thought Since 1900 (W)**

**GER 3/B PD/D**
Exploration of concepts and thinkers in political theory since 1900. Topics include such traditional issues of political theory as the nature and scope of political regimes, justice, equality and changing concepts of human nature.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 20400 - Contemporary Issues in Political Theory

GER 3/B
Topics vary each semester. They have included democracy in America, totalitarianism, liberty and authority.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 20900 - Women and Gender in Western Political Thought (W)

GER 3/B PD/C or D
Examines history of political thought from the perspective of gender relations and the treatment of women.
cross-listed WGS 20900 (W)
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 30100 - American Political Thought (W)

GER 3/B
Examination of ideas that have shaped American politics from the Revolution to the present, including Federalists and Anti-Federalists, Progressivism and responses to industrialization and recent debates over the welfare state, political inclusion and democracy.
prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs 3 cr.

POLSC 30400 - Contemporary Issues in Political Theory

GER 3/B
Selected topics in political theory.
prereq: ENGL 12000 or its equivalent; one course in political theory subfield or perm instr
3 hrs 3 cr.

POLSC 30500 - Democratic Theory (W)

GER 3/B
A critical survey of different conceptions of democracy: issues include democracy as a political order, democracy and 'non-political' forms of life (e.g., business, family, religion), toleration, political representation, democracy and justice.
prereq or coreq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs 3 cr.

POLSC 30900 - Feminist Political Theory (W)

GER 3/B PD/C
Readings in feminist ideas, both historical and contemporary, on issues of power, justice and equality. The course will emphasize different perspectives, including those of liberal, radical, postmodernist, women of color, third world and 'global' feminists.
cross-listed WGS 30900 (W)
prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs 3 cr.
POLSC 31100 - Utopian Theory (W)

GER 3/B
Political theorists often imagine ideal worlds, both to explore ideals and to criticize political realities. This course will explore utopias and dystopias as theories that explore political possibilities and challenge existing realities.

prereq: ENGL 12000 or its equivalent; one course in political theory or perm dept.
3 hrs 3 cr.

POLSC 31600 - Political Theory of Human Rights (W)

GER 3/B
A critical analysis of the intersection of academic and practical discourse of human rights with the central concerns of political theory, particularly as it engages relationships between ethics and power as well as theory and practice.

prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs 3 cr.

SOC 22100 - Classical Sociological Theory

GER 3/B PD/D
Classical theorists and their contributions.

prereq: SOC 10100
3 hrs 3 cr.

SOC 22300 - Current Sociological Theory

GER 3/B
Significance of concepts and nature of evidence applied to leading theories. Theory construction.

prereq: SOC 10100, SOC 22100, major
3 hrs 3 cr.

Elective courses recommended for students with particular interests

Elective credits should be carefully chosen to focus students’ programs on their present interests and future needs. The following courses are recommended for students with particular interests.

Graduate study in philosophy

PHILO 17100 - Introduction to Symbolic Logic

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.

3 hrs 3 cr.

PHILO 24400 - Moral Philosophy (W)

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.
Admission to law school

PHILO 17100 - Introduction to Symbolic Logic

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.
3 hrs 3 cr.

PHILO 24400 - Moral Philosophy (W)

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

Careers in public administration

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

Careers in foreign service

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

POLSC 31600 - Political Theory of Human Rights (W)

GER 3/B
A critical analysis of the intersection of academic and practical discourse of human rights with the central concerns of political theory, particularly as it engages relationships between ethics and power as well as theory and practice.
prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs 3 cr.

Careers in social welfare

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance,
racism and environmental destruction.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

**SOC 22100 - Classical Sociological Theory**

GER 3/B PD/D
Classical theorists and their contributions.
prereq: SOC 10100
3 hrs3 cr.

**SOC 22300 - Current Sociological Theory**

GER 3/B
Significance of concepts and nature of evidence applied to leading theories. Theory construction.
prereq: SOC 10100, SOC 22100, major
3 hrs3 cr.

**Note:**

*Certain new, ad hoc, or independent study courses may be taken in partial satisfaction of requirements listed above, if they are approved by the Philosophy, Politics and Society major concentration adviser.*

**Minors in Philosophy**

Students may declare an optional minor in Philosophy (the Standard concentration) or a minor in the Philosophy, Politics, Society concentration. In either case a minor in philosophy is comprised of 12 credits at the 200-level or above, including no fewer than 3 credits at the 300-level. Exceptions: PHILO 17100 may count toward the minor at the 200-level; and PHILO 20300 and PHILO 20400 shall not count. PHILO 20300 and 20400 are excluded from counting toward the minor, because they are, albeit advanced, introductory courses. A student must pass a minor in philosophy with a minimum GPA of 3.00.

When constructing a philosophy minor in either the standard or the PPS concentration, a student should always consult with a philosophy department advisor beforehand.

**The Standard Minor**

Students should follow their interests in choosing the courses taken to satisfy the minor. Usually this will involve choosing courses related to the student’s major. Ideally the minor will allow the student to study the philosophical issues associated with a field or period of history in increasing depth. Some suggested tracks are listed below:

**Logic and Mathematics**

four of

**PHILO 17100 - Introduction to Symbolic Logic**
Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.

3 hrs 3 cr.

**PHILO 27500 - Intermediate Symbolic Logic**

GER 3/B
Sentential derivations, interpretations, symbolizations involving operator symbols, identity, definite descriptions, predicate derivations through logic of identity and definite descriptions.

*cross-listed* MATH 27500

*prereq: PHIL 17100*

3 hrs 3 cr.

**PHILO 27900 - Inductive Logic**

GER 3/B
Deductive vs. inductive logic, basic forms of inductive inference, Mill's methods and controlled experiments, the probability calculus, interpretations of probability, the problem of induction, confirmation and disconfirmation of hypotheses.

*prereq: ENGL 12000 and one previous course in philosophy.*

3 hrs 3 cr.

**PHILO 36400 - Philosophy of Language (W)**

GER 3/A
Inquiry into the philosophical significance of language, its structure, meaning, reference and use.

*prereq: Two courses in philosophy, at least one of which is at the 200 level.*

3 hrs 3 cr.

**PHILO 37500 - Advanced Symbolic Logic**

GER 3/B
A survey of the central results and techniques of meta-logic, principally mathematical induction, the soundness and completeness of theorems for first-order logic, the Skolem theorem and Church's theorem on undecidability.

*prereq: PHIL 27500 or equiv.*

3 hrs 3 cr.

**PHILO 37600 - Philosophy of Mathematics (W)**

GER 3/B
Study of such issues as the nature of demonstration or proof and the nature of mathematical knowledge and mathematical objects such as numbers and sets. *cross-listed* with MATH 376.

*prereq: ENGL 12000; one PHIL course and one PHIL or MATH course (precalculus or beyond)*

3 hrs 3 cr.

Natural and Social Sciences

four of

**PHILO 17100 - Introduction to Symbolic Logic**
Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.
3 hrs3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 26800 - Philosophical Psychology (W)

GER 3/B
Views of human nature underlying some major contemporary schools of psychology, such as Freudian psychoanalysis, behaviorism, existential psychoanalysis, Piaget's developmental psychology.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 27000W - Philosophy, Science and Culture

GER 3/B
Issues relating to the impact of modern science on philosophy, religion and culture.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 27500 - Intermediate Symbolic Logic

GER 3/B
Sentential derivations, interpretations, symbolizations involving operator symbols, identity, definite descriptions, predicate derivations through logic of identity and definite descriptions.

cross-listed MATH 27500

prereq: PHIL 17100
3 hrs3 cr.

PHILO 27900 - Inductive Logic

GER 3/B
Deductive vs. inductive logic, basic forms of inductive inference, Mill's methods and controlled experiments, the probability calculus, interpretations of probability, the problem of induction, confirmation and disconfirmation of hypotheses.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 37500 - Advanced Symbolic Logic

GER 3/B
A survey of the central results and techniques of meta-logic, principally mathematical induction, the soundness and completeness of theorems for first-order logic, the Skolem theorem and Church's theorem on undecidability.
prereq: PHIL 27500 or equiv.
3 hrs 3 cr.

PHILO 37900 - Philosophy of Science (W)

GER 3/B
Study of foundations of knowledge in natural and social sciences.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

Psychology and Mind

four of

PHILO 20100 - Knowledge and Reality (W)

GER 3/A PD/D
Study of main problems of theory of knowledge and metaphysics such as personal identity, grounds of justified belief, existence of God, nature of free will and causality.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 26800 - Philosophical Psychology (W)

GER 3/B
Views of human nature underlying some major contemporary schools of psychology, such as Freudian psychoanalysis, behaviorism, existential psychoanalysis, Piaget's developmental psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 36600 - Philosophy of Mind (W)

GER 3/A
Examination of the concept of mind and the person. Topics include thinking, intention, consciousness, supervenience, emotion, self-knowledge.
Cognitive Psychology

four of

PHILO 20100 - Knowledge and Reality (W)

GER 3/A PD/D
Study of main problems of theory of knowledge and metaphysics such as personal identity, grounds of justified belief, existence of God, nature of free will and causality.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 26800 - Philosophical Psychology (W)

GER 3/B
Views of human nature underlying some major contemporary schools of psychology, such as Freudian psychoanalysis, behaviorism, existential psychoanalysis, Piaget's developmental psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 36200 - Theory of Knowledge (W)

GER 3/A
Study of origin, structure, methods and foundations of human knowledge.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 37900 - Philosophy of Science (W)

GER 3/B
Study of foundations of knowledge in natural and social sciences.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are
PHILO 38400 - Kant (W)

GER 3/A
A study of some of Kant's major writings.

prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

English and the Arts

four of

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 21800 - Revolutions in Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 22800 - Existentialism (W)

GER 3/A PD/D
Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 24400 - Moral Philosophy (W)

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25600 - Philosophical Ideas in Literature (W)

GER 3/A
Analysis of major philosophical themes in some classics of world literature.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 25800 - Aesthetics (W)

GER 3/A
Study of philosophical issues that arise in our understanding and criticism of the arts. Topics include nature of
expression, purpose and standards of criticism and aesthetic value.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 38000 - Plato (W)

GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs 4 cr

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes,
Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are
offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38600 - Hegel (W)

GER 3/A
Study of some of Hegel's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38700 - Nietzsche (W)

GER 3/A
Study of Nietzsche's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

History of the modern world

four of

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley
and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21800 - Revolutions in Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22000 - Radical Philosophy (W)

GER 3/A PD/D
Study of 20th-century philosophers who were critical of industrial capitalist society, such as Lukc's and Marcuse, along with their historical precursors, including Rousseau and Marx.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22500 - American Philosophy (W)

GER 3/A PD/D
Historical survey of major American philosophers such as Edwards, Emerson, Thoreau, Peirce, James, Royce, Santayana and Dewey.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22600 - African-American Philosophy (W)

GER 3/A PD/B
Development of the African-American intellectual tradition. Study of the work of such figures as Equiano, Douglass, Cooper, Blyden, Du Bois and Hurston.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22800 - Existentialism (W)

GER 3/A PD/D
Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 24600 - Political Philosophy (W)

GER 3/B
Study of selected philosophical problems in politics, law, economics and society.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.
PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.

prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38400 - Kant (W)

GER 3/A
A study of some of Kant's major writings.

prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38600 - Hegel (W)

GER 3/A
Study of some of Hegel's major writings.

prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38700 - Nietzsche (W)

GER 3/A
Study of Nietzsche's major writings.

prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38800 - Wittgenstein (W)

GER 3/A
Development of Wittgenstein's thought through intensive study of his major works.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

**PHILO 38900 - Heidegger (W)**

GER 3/A
Detailed study of the central themes in Being and Time and their development in his later essays.

prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

**PHILO 39000 - Marx (W)**

GER 3/A
Study of some of Marx's major writings.

prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

History of the classical and medieval world

**PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)**

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

**PHILO 21400 - Medieval Philosophy (W)**

GER 3/A PD/D
Study of major writings by medieval Arabic, Christian and Jewish philosophers such as Averroes, Aquinas and Maimonides.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

**PHILO 22300 - Neoplatonism (W)**

GER 3/A PD/D
A study of the main thinkers and ideas in ancient and medieval Neoplatonism, emphasizing Plotinus and Augustine.

prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

**PHILO 38000 - Plato (W)**

GER 3/A
Close study of major Platonic dialogues.

prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs4 cr
PHILO 38100 - Aristotle (W)

GER 3/A
Close study of Aristotle's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38200 - Major Figure in Medieval Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the Middle Ages such as Augustine, Averroes, Maimonides, or Aquinas. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38500 - Plotinus (W)

GER 3/A
A study of the background, writings and legacy of Plotinus.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

American history or culture

four of

PHILO 22500 - American Philosophy (W)

GER 3/A PD/D
Historical survey of major American philosophers such as Edwards, Emerson, Thoreau, Peirce, James, Royce, Santayana and Dewey.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 22600 - African-American Philosophy (W)

GER 3/A PD/B
Development of the African-American intellectual tradition. Study of the work of such figures as Equiano, Douglass, Cooper, Blyden, Du Bois and Hurston.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 23000 - Feminism: Philosophical Theory and Practice (W)

GER 3/A PD/C
Analyses of feminist theories and their practical implications.
cross-listed WGS 23000 (W)
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.
PHILO 32000 - Twentieth-Century Philosophy (W)

GER 3/A
Survey of such movements as pragmatism, process philosophy, analytic philosophy, existentialism, phenomenology, feminism and post modernism through consideration of such representative figures as Dewey, Moore, Whitehead, Russell, Husserl, Heidegger, Wittgenstein, Ayer, Sartre, De Beauvoir, Quine, Rorty and Rawls.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

Law

PHILO 24600 - Political Philosophy (W)

GER 3/B
Study of selected philosophical problems in politics, law, economics and society.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25200 - Problems of Law and Morality

GER 3/B
Philosophy of law and the relation of legal to ethical issues.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 34600 - Justice in Contemporary Society (W)

GER 3/B
A study of concepts of justice developed in the 20th century and their relevance to problems of contemporary society, such as social welfare, property rights and democratic government.
3 hrs3 cr

Ethics

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.
PHILO 24400 - Moral Philosophy (W)

GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
\textit{prereq: ENGL 12000 and one previous course in philosophy.}
3 hrs 3 cr.

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
\textit{prereq: ENGL 12000 and one previous course in philosophy.}
3 hrs 3 cr.

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
\textit{prereq: ENGL 12000 and one previous course in philosophy.}
3 hrs 3 cr.

PHILO 25200 - Problems of Law and Morality

GER 3/B
Philosophy of law and the relation of legal to ethical issues.
\textit{prereq: ENGL 12000 and one previous course in philosophy.}
3 hrs 3 cr.

PHILO 25400 - Ethical Issues in Biology and Medical Care (W)

GER 3/B
Treats issues such as abortion, euthanasia, extraordinary means, confidentiality, human experimentation, genetic control and allocation of limited life-saving therapy.
\textit{prereq: ENGL 12000 and one previous course in philosophy.}
3 hrs 3 cr.

PHILO 34400 - Ethics in Contemporary Life (W)

GER 3/A
A study of concepts of ethics developed in the 20th century and their relevance to problems of contemporary life, such as personal development, social responsibility, and cultural difference.
3 hrs 3 cr

Religion

four of
PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21400 - Medieval Philosophy (W)

GER 3/A PD/D
Study of major writings by medieval Arabic, Christian and Jewish philosophers such as Averroes, Aquinas and Maimonides.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22300 - Neoplatonism (W)

GER 3/A PD/D
A study of the main thinkers and ideas in ancient and medieval Neoplatonism, emphasizing Plotinus and Augustine.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22800 - Existentialism (W)

GER 3/A PD/D
Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 26200 - Philosophy of Religion (W)

GER 3/A
Philosophical examination of some religious questions and beliefs.
prereq: one course in philosophy or religion (see statement under Program Prerequisites)
3 hrs 3 cr.

PHILO 36000 - Metaphysics (W)

GER 3/A
Study of major metaphysical views, such as materialism, idealism, nominalism and realism. The major question is:
What is reality and how may it be known?
prereq: Two courses in philosophy, at least one of which is at the 200 level.

3 hrs 3 cr.

PHILO 38000 - Plato (W)

GER 3/A
Close study of major Platonic dialogues.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
4 hrs 4 cr

PHILO 38200 - Major Figure in Medieval Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the Middle Ages such as Augustine, Averroes, Maimonides, or Aquinas. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38500 - Plotinus (W)

GER 3/A
A study of the background, writings and legacy of Plotinus.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 38700 - Nietzsche (W)

GER 3/A
Study of Nietzsche's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

Minor in Philosophy, Politics and Society (PPS)

A student must take, as a prerequisite to the minor, PHILO 10600. This course does not count toward the PPS minor.

The PPS minor consists in taking 4 courses or 12 credits from the philosophy courses listed in the PPS major. Non-philosophy courses counting toward the PPS major concentration may not count toward the minor in philosophy.

Major Adviser

The Philosophy Department offers extensive advising services to majors, including: guidance for course selection and sequencing and devising a course of study; tracking progress and compliance with college, CUNY, and state regulations; career advice; planning for graduate and professional school applications; and information about special opportunities for philosophy students. Minors may also make use of these services.

Mentoring
Philosophy majors are encouraged to establish a relationship with a faculty mentor of their choice. This relationship can be distinct from the departmental advising relationship.

**Honors**

To be eligible for graduation with departmental honors in philosophy, a major must have at least a 3.50 GPA in philosophy, at least a 3.0 overall GPA. The student must register for the 3- or 6-credit PHILO 49400, which is taken in addition to and is not part of the 30 credits for the major. The student must write a substantial paper under the direction of a full-time faculty member. To receive departmental honors the completed paper must be submitted to a three-member committee who will judge whether it merits departmental honors. This committee will consist of the director of Honors Tutorial and two other full-time philosophy faculty members appointed by the director.

**PHILO 49400 - Honors Tutorial in Philosophy**

Open to Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision. Successful completion is one requirement for departmental honors at graduation.  
**prereq:** 3.0 cum GPA and 3.50 major GPA; philosophy majors only, minor with perm instr; two 300-level PHIL courses, one of which may be taken concurrently; perm dept.  
3 or 6 cr.

**Independent Study**

Students may engage in independent study under the supervision of a member of the Philosophy department by receiving permission to take the following.

**PHILO 49200 - Independent Study in Philosophy**

Independent study of philosophical works under faculty supervision.  
**prereq:** one PHILO course at 300-level, perm instr. (see Program Prerequisites)  
1-6 cr.

**Humanities and The Arts**

**HUM 11000 - Map of Knowledge (W)**

GER 2/C  
Introduction to range of knowledge available in the curriculum. Discusses subject matter and methodology of various disciplines as well as their relations within and across the curriculum to aid students in making intelligent choices in their course of study.  
3 hrs3 cr.

**Philosophy: Introductory Courses**

**PHILO 10100 - Introduction to Philosophy**
GER 2/C
Examination of basic philosophical questions through study of selected philosophical classics.
3 hrs 3 cr.
offered each semester

PHILO 10300 - Introduction to Logic and Critical Thinking

GER 2/C
Recognizing arguments; traditional logic including concepts, propositions, categorical, hypothetical and disjunctive syllogisms; argument structure, natural language argumentation, fallacies.
3 hrs 3 cr.
offered each semester

PHILO 10400 - Introduction to Ethics

GER 2/C
Examination of standards of right conduct and the good life through study of selected philosophical classics.
3 hrs 3 cr.
offered each semester

PHILO 10600 - Philosophy, Politics and Society

GER 2/C PD/D
Introduction to social and political philosophy.
3 hrs 3 cr.
offered each semester

PHILO 20300 - Great Philosophers: Ancient and Medieval

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the dawn of philosophy in ancient Greece to the time of the Renaissance.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 20400 - Great Philosophers: Modern and Contemporary

GER 2/C PD/D
A comprehensive study of major philosophical thinkers, ideas and movements from the rise of modern philosophy in the 17th century to the present.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

Philosophy Courses: Ethics, Politics and Aesthetics

PHILO 24400 - Moral Philosophy (W)
GER 3/A
Study of selected problems in philosophical ethics and moral psychology.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 24600 - Political Philosophy (W)

GER 3/B
Study of selected philosophical problems in politics, law, economics and society.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 24800 - International Ethics (W)

GER 3/B
Study of the ethical dimensions of problems in contemporary international relations, such as war and peace, imperialism, national identity and development.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25000 - Problems of Ethics and Society (W)

GER 3/B
Study of the ethical dimensions of contemporary social problems, such as poverty, consumption, sexual deviance, racism and environmental destruction.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25200 - Problems of Law and Morality

GER 3/B
Philosophy of law and the relation of legal to ethical issues.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25400 - Ethical Issues in Biology and Medical Care (W)

GER 3/B
Treats issues such as abortion, euthanasia, extraordinary means, confidentiality, human experimentation, genetic control and allocation of limited life-saving therapy.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.

PHILO 25600 - Philosophical Ideas in Literature (W)

GER 3/A
Analysis of major philosophical themes in some classics of world literature.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs3 cr.
PHILO 25800 - Aesthetics (W)

GER 3/A  
Study of philosophical issues that arise in our understanding and criticism of the arts. Topics include nature of expression, purpose and standards of criticism and aesthetic value.  
prereq: ENGL 12000 and one previous course in philosophy.  
3 hrs3 cr.

PHILO 34400 - Ethics in Contemporary Life (W)

GER 3/A  
A study of concepts of ethics developed in the 20th century and their relevance to problems of contemporary life, such as personal development, social responsibility, and cultural difference.  
3 hrs3 cr

PHILO 34600 - Justice in Contemporary Society (W)

GER 3/B  
A study of concepts of justice developed in the 20th century and their relevance to problems of contemporary society, such as social welfare, property rights and democratic government.  
3 hrs3 cr

Philosophy Courses: History of Philosophy

PHILO 21200 - Classical Greek Philosophy: Plato and Aristotle (W)

GER 3/A PD/D  
Study of major works of Plato and Aristotle in the context of the philosophical thought of the ancient world.  
prereq: ENGL 12000 and one previous course in philosophy.  
3 hrs3 cr.

PHILO 21400 - Medieval Philosophy (W)

GER 3/A PD/D  
Study of major writings by medieval Arabic, Christian and Jewish philosophers such as Averroes, Aquinas and Maimonides.  
prereq: ENGL 12000 and one previous course in philosophy.  
3 hrs3 cr.

PHILO 21500 - Foundations of Modern Philosophy (W)

GER 3/A PD/D  
Study of major philosophers of the 17th and early 18th centuries such as Descartes, Spinoza, Leibniz, Locke, Berkeley and Hume.  
prereq: ENGL 12000 and one previous course in philosophy.  
3 hrs3 cr.
PHILO 21600 - Women Philosophers of the Past

GER 3/A PD/C
Study of the writings and ideas of selected women philosophers who lived before the contemporary feminist movement.
cross-listed WGS 21600
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21800 - Revolutions in Modern Philosophy (W)

GER 3/A PD/D
Study of major philosophers of the late 18th and 19th centuries such as Kant, Hegel, Schopenhauer, Feuerbach, Kierkegaard, Marx and Nietzsche.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 21900 - Asian Philosophies

GER 3/A PD/A
Readings from classics of Indian, Chinese and Japanese philosophy drawn from traditions of Buddhism, Hinduism, Taoism and Confucianism.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22000 - Radical Philosophy (W)

GER 3/A PD/D
Study of 20th-century philosophers who were critical of industrial capitalist society, such as Lukc's and Marcuse, along with their historical precursors, including Rousseau and Marx.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22300 - Neoplatonism (W)

GER 3/A PD/D
A study of the main thinkers and ideas in ancient and medieval Neoplatonism, emphasizing Plotinus and Augustine.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22500 - American Philosophy (W)

GER 3/A PD/D
Historical survey of major American philosophers such as Edwards, Emerson, Thoreau, Peirce, James, Royce, Santayana and Dewey.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22600 - African-American Philosophy (W)
GER 3/A PD/B
Development of the African-American intellectual tradition. Study of the work of such figures as Equiano, Douglass, Cooper, Blyden, Du Bois and Hurston.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 22800 - Existentialism (W)

GER 3/A PD/D
Philosophical writings of major existentialists. Topics include nature of subjectivity, moral value, freedom, authenticity.
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 23000 - Feminism: Philosophical Theory and Practice (W)

GER 3/A PD/C
Analyzes of feminist theories and their practical implications.
cross-listed WGS 23000 (W)
prereq: ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

PHILO 32000 - Twentieth-Century Philosophy (W)

GER 3/A
Survey of such movements as pragmatism, process philosophy, analytic philosophy, existentialism, phenomenology, feminism and post modernism through consideration of such representative figures as Dewey, Moore, Whitehead, Russell, Husserl, Heidegger, Wittgenstein, Ayer, Sartre, De Beauvoir, Quine, Rorty and Rawls.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

PHILO 32200 - Modern Philosophical Idealism

GER 3/A
Study of major works of Fichte, Schelling, Hegel, Bradley, Royce and their critics.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

Philosophy Courses: Logic

PHILO 17100 - Introduction to Symbolic Logic

Sentential logic, including the truth-functional connectives, truth tables, symbolizations, consistency trees. Predicate logic, including quantificational symbolizations and consistency trees for quantifiers.
3 hrs 3 cr.

PHILO 27500 - Intermediate Symbolic Logic
GER 3/B
Sentential derivations, interpretations, symbolizations involving operator symbols, identity, definite descriptions, predicate derivations through logic of identity and definite descriptions.

*cross-listed* MATH 27500

*prereq:* PHIL 17100

3 hrs3 cr.

**PHILO 27900 - Inductive Logic**

GER 3/B
Deductive vs. inductive logic, basic forms of inductive inference, Mill's methods and controlled experiments, the probability calculus, interpretations of probability, the problem of induction, confirmation and disconfirmation of hypotheses.

*prereq:* ENGL 12000 and one previous course in philosophy.

3 hrs3 cr.

**PHILO 37500 - Advanced Symbolic Logic**

GER 3/B
A survey of the central results and techniques of meta-logic, principally mathematical induction, the soundness and completeness of theorems for first-order logic, the Skolem theorem and Church's theorem on undecidability.

*prereq:* PHIL 27500 or equiv.

3 hrs3 cr.

**Philosophy Courses: Major Philosophers**

**PHILO 38000 - Plato (W)**

GER 3/A
Close study of major Platonic dialogues.

*prereq:* Two courses in philosophy, at least one of which is at the 200 level.

4 hrs4 cr

**PHILO 38100 - Aristotle (W)**

GER 3/A
Close study of Aristotle's major writings.

*prereq:* Two courses in philosophy, at least one of which is at the 200 level.

3 hrs3 cr.

**PHILO 38200 - Major Figure in Medieval Philosophy (W)**

GER 3/A
A study of the works and legacy of one of the major philosophers of the Middle Ages such as Augustine, Averroes, Maimonides, or Aquinas. The course may be repeated as different figures are offered.

*prereq:* Two courses in philosophy, at least one of which is at the 200 level.

3 hrs3 cr.
PHILO 38250 - Major Figure in Medieval Philosophy: Augustine (W)

GER 3/A
A study of the works and legacy of Augustine.
prereq: two courses in philosophy, at least one of which is at the 200-level
3 hrs 3 cr

PHILO 38254 - Major Figure in Medieval Philosophy: Averroes (W)

GER 3/A
A study of the works and legacy of Averroes.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38254 - Major Figure in Medieval Philosophy: Maimonides (W)

GER 3/A
A study of the works and legacy of Maimonides.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38256 - Major Figure in Medieval Philosophy: Aquinas (W)

GER 3/A
A study of the works and legacy of Aquinas.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38300 - Major Figure in Early Modern Philosophy (W)

GER 3/A
A study of the works and legacy of one of the major philosophers of the 17th and 18th centuries such as Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, Hume and Rousseau. The course may be repeated as different figures are offered.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs cr.

PHILO 38350 - Major Figure in Early Modern Philosophy: Descartes (W)

GER 3/A
A study of the works and legacy of Descartes.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr

PHILO 38351 - Major Figure in Early Modern Philosophy: Spinoza (W)

GER 3/A
A study of the works and legacy of Spinoza.
prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs 3 cr
PHILO 38352 - Major Figure in Early Modern Philosophy: Leibniz (W)

GER 3/A
A study of the works and legacy of Leibniz.

prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs3 cr

PHILO 38353 - Major Figure in Early Modern Philosophy: Hobbes (W)

GER 3/A
A study of the works and legacy of Hobbes.

prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs3 cr

PHILO 38354 - Major Figure in Early Modern Philosophy: Locke (W)

GER 3/A
A study of the works and legacy of Locke.

prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs3 cr

PHILO 38355 - Major Figure in Early Modern Philosophy: Berkeley (W)

GER 3/A
A study of the works and legacy of Berkeley.

prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs3 cr

PHILO 38356 - Major Figure in Early Modern Philosophy: Hume (W)

GER 3/A
A study of the works and legacy of Hume.

prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs3 cr

PHILO 38357 - Major Figure in Early Modern Philosophy: Rousseau (W)

GER 3/A
A study of the works and legacy of Rousseau.

prereq: Two courses in philosophy, at least one of which is at the 200 level
3 hrs3 cr

PHILO 38400 - Kant (W)

GER 3/A
A study of some of Kant's major writings.

prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.
PHILO 38500 - Plotinus (W)

GER 3/A
A study of the background, writings and legacy of Plotinus.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38600 - Hegel (W)

GER 3/A
Study of some of Hegel's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38700 - Nietzsche (W)

GER 3/A
Study of Nietzsche's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38800 - Wittgenstein (W)

GER 3/A
Development of Wittgenstein's thought through intensive study of his major works.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 38900 - Heidegger (W)

GER 3/A
Detailed study of the central themes in Being and Time and their development in his later essays.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 39000 - Marx (W)

GER 3/A
Study of some of Marx's major writings.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

Philosophy Courses: Metaphysics and Epistemology

PHILO 20100 - Knowledge and Reality (W)
GER 3/A PD/D
Study of main problems of theory of knowledge and metaphysics such as personal identity, grounds of justified belief, existence of God, nature of free will and causality.
*prereq:* ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

**PHILO 26200 - Philosophy of Religion (W)**

GER 3/A
Philosophical examination of some religious questions and beliefs.
*prereq:* one course in philosophy or religion (see statement under Program Prerequisites)
3 hrs 3 cr.

**PHILO 26800 - Philosophical Psychology (W)**

GER 3/B
Views of human nature underlying some major contemporary schools of psychology, such as Freudian psychoanalysis, behaviorism, existential psychoanalysis, Piaget's developmental psychology.
*prereq:* ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

**PHILO 27000W - Philosophy, Science and Culture**

GER 3/B
Issues relating to the impact of modern science on philosophy, religion and culture.
*prereq:* ENGL 12000 and one previous course in philosophy.
3 hrs 3 cr.

**PHILO 36000 - Metaphysics (W)**

GER 3/A
Study of major metaphysical views, such as materialism, idealism, nominalism and realism. The major question is: What is reality and how may it be known?
*prereq:* Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

**PHILO 36200 - Theory of Knowledge (W)**

GER 3/A
Study of origin, structure, methods and foundations of human knowledge.
*prereq:* Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.

**PHILO 36400 - Philosophy of Language (W)**

GER 3/A
Inquiry into the philosophical significance of language, its structure, meaning, reference and use.
*prereq:* Two courses in philosophy, at least one of which is at the 200 level.
3 hrs 3 cr.
PHILO 36600 - Philosophy of Mind (W)

GER 3/A
Examination of the concept of mind and the person. Topics include thinking, intention, consciousness, supervenience, emotion, self-knowledge.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

PHILO 37600 - Philosophy of Mathematics (W)

GER 3/B
Study of such issues as the nature of demonstration or proof and the nature of mathematical knowledge and mathematical objects such as numbers and sets. cross-listed with MATH 376.
prereq: ENGL 12000; one PHIL course and one PHIL or MATH course (precalculus or beyond)
3 hrs3 cr.

PHILO 37900 - Philosophy of Science (W)

GER 3/B
Study of foundations of knowledge in natural and social sciences.
prereq: Two courses in philosophy, at least one of which is at the 200 level.
3 hrs3 cr.

Philosophy: Special Courses

PHILO 20000 - Topics in Philosophy

GER 3/A
Topics discussed vary from semester to semester.
prereq: variable (see Program Prerequisites)
3 hrs3 cr.

PHILO 39300 - Philosophical Systems

GER 3/A
Study of writings of one or two major philosophers.
prereq: variable (see Program Prerequisites)
3 hrs3 cr.

PHILO 39400 - Philosophical Problems

GER 3/A
Study of one or more major philosophical problems.
prereq: variable (see Program Prerequisites)
3 hrs3 cr.

PHILO 49200 - Independent Study in Philosophy
Independent study of philosophical works under faculty supervision.

*prereq: one PHILO course at 300-level, perm instr. (see Program Prerequisites)*

1-6 cr.

**PHILO 49400 - Honors Tutorial in Philosophy**

Open to Jr/Sr only. Students must present a proposal for an individual project to be completed under faculty supervision. Successful completion is one requirement for departmental honors at graduation.

*prereq: 3.0 cum GPA and 3.50 major GPA; philosophy majors only, minor with perm instr; two 300-level PHIL courses, one of which may be taken concurrently; perm dept.*

3 or 6 cr.

**PHILO 49800 - Internship**

Open to Jr/Sr only. Philosophically relevant internship.

*prereq: philosophy major, minor with perm dept adviser; 2.5 cum GPA and 3.0 major GPA (see Program Prerequisites)*

1-6 cr.

**Programs and Courses in Physics & Astronomy**

**Physics and Astronomy**

**About the Department**

Physics is the study of the basic interactions that govern the behavior of the universe as we know it. As such, a knowledge of physics is necessary for the proper understanding of any science, and, of course, it is an exciting field of study in its own right.

The department offers comprehensive training in physics that can lead to a teaching position in grades 7-12; industrial, institutional and government work; and graduate study. The major includes lecture courses, laboratory courses, and a chance for qualified students to participate in research with faculty members.

**Physics for Non-Physics Majors**

A minimum of one year of physics is recommended for all majors in sciences and health sciences.

Medical and dental schools also require one year of physics. Students requiring one year of physics may take either the PHYS 11000-PHYS 12000 sequence (9 cr) or the PHYS 11100-PHYS 12100 sequence (11 cr). Although both sequences cover the same topics, PHYS 11100-PHYS 12100 utilizes elementary calculus and meets for one additional lecture hour each week. It is recommended for science students and those premed students who satisfy the mathematics pre- or corequisite. PHYS 101 (4 cr) should be taken only by those who want a one semester terminal course in physics; it does not satisfy pre-professional requirements. Students should take no more than one first-semester course (PHYS 10100, PHYS 11000, PHYS 11100) and no more than one second-semester course (PHYS 12000, PHYS 12100) since they may receive credit for no more than one course from each group.

**Programs and Courses**
Programs and Courses in Physics & Astronomy

Administration and Faculty

Department Office:

1225 North
(212) 772-5248
Web site: http://www.hunter.cuny.edu/physics

Chair:

Yuhang Ren
1204 North
(212)772-5258
yre@hunter.cuny.edu

Faculty

Physics and Astronomy Faculty

HEGIS Code: 1902

Undergraduate Major

Chemical Engineering

Science Courses

Mathematics

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications. 
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series,
improper integrals, polar coordinates.

 prereq: grade of C or better in MATH 15000
 4 hrs4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
 prereq: MATH 15500
 4 hrs4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
 prereq: MATH 25000
 3 hrs3 cr.

Chemistry

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
 Primarily for pre-med, medical laboratory sciences and science majors.
 prereq or coreq: MATH 12500, 12600 or equiv.
 5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
 Primarily for premed, medical laboratory sciences and science majors.
 prereq: CHEM 10200 or CHEM 10000 with perm chair
 5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
 Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
 prereq: CHEM 10200
 coreq: CHEM 10400
 8 hrs (6 lab, 2 rec)3 cr.

Physics
PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 36000 - Atomic and Nuclear Physics for Engineers

PHYS 33500 - Intermediate Mechanics

Study of laws of motion and coordinate systems; introduction to powerful analytical techniques.
prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 36500 - Analytical Mechanics

Technical Drawing

Other Courses

English

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.

Humanities and Social Sciences
• 3-4 courses*** 9-12

Economics

ECO 20000 - Principles of Economics: Microeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

*prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

ECO 20100 - Principles of Economics: Macroeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.

*prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

Civil Engineering

Science Courses

Mathematics

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

*prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

*prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

*prereq: MATH 15500
4 hrs 4 cr.
MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs 3 cr.

Chemistry

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

Geology

GEOL 10100 - Fundamentals of Geology

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab) 4.5 cr.
Offered fall and spring.

Physics
PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100prereq or coreq: MATH 25000
4 hrs4 cr.

PHYS 36000 - Atomic and Nuclear Physics for Engineers

Technical Drawing

Other Courses

English

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf3 cr.

Humanities and Social Sciences

• 3-4 courses*** 9-12

Economics

ECO 20000 - Principles of Economics: Microeconomics
GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

ECO 20100 - Principles of Economics: Macroeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

Electrical Engineering

Science Courses

Mathematics

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs 4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs 4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs 3 cr.
Chemistry

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding. 
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec)4 cr.

Physics

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
*prereq or coreq: coreq (with perm dept.): MATH 15000* 
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
*prereq: PHYS 11000 or 11100* 
*prereq or coreq: (with perm dept.): MATH 15500* 
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
*prereq: PHYS 12000 or 12100* 
*prereq or coreq: MATH 25000* 
4 hrs4 cr.

PHYS 36000 - Atomic and Nuclear Physics for Engineers

PHYS 33500 - Intermediate Mechanics

Study of laws of motion and coordinate systems; introduction to powerful analytical techniques.
*prereq: PHYS 12000 or 12100* 
*prereq or coreq: MATH 25000* 
4 hrs4 cr.

PHYS 36500 - Analytical Mechanics

Other Courses

English
ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf 3 cr.

Humanities and Social Sciences

- 3-4 courses*** 9-12

Economics

ECO 20000 - Principles of Economics: Microeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

ECO 20100 - Principles of Economics: Macroeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.
prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

Mechanical Engineering

Science Courses

Mathematics

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
prereq: grade of C or better in MATH 15000
4 hrs4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
prereq: MATH 15500
4 hrs4 cr.

MATH 25400 - Ordinary Differential Equations

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs3 cr.

Chemistry

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec)4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec)3 cr.

Physics
PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.
prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs4 cr.

PHYS 36000 - Atomic and Nuclear Physics for Engineers

Technical Drawing

Other Courses

English

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf3 cr.

Humanities and Social Sciences

- 3-4 courses*** 9-12

Economics

ECO 20000 - Principles of Economics: Microeconomics
GER 2/B
May be taken prior to or concurrently with ECO 20100. Price theory and resource allocation; market structures; income distribution.

_prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

ECO 20100 - Principles of Economics: Macroeconomics

GER 2/B
May be taken prior to or concurrently with ECO 20000. Fluctuations in national output and inflation, monetary and fiscal policy.

_prereq: MATH 10100 or exemption from the course
3 hrs 3 cr.

Physics - BA

Major

One of the following 3 options (concentrations) may be taken.

- Physics Option 1
- Physics Option 2
- Physics Option 3

Graduate Study

The Department of Physics and Astronomy offers a number of advanced courses, listed in the graduate catalog, which give credit toward the degree of master of arts. Qualified undergraduate students may be admitted to these courses with the approval of the department chair.

Minor in Physics

A minor in Physics consists of a minimum of 12 credits of PHYS courses, including two courses numbered above 200 or one course numbered above 300.

Students who wish to enroll in the Physics Minor must have completed MATH 15000 and MATH 15500. The prerequisites for the 300-level courses include MATH 25000 and/or MATH 25400.

Honors Work

The opportunity for students to do individual research (experimental or theoretical) is offered in courses

PHYS 45300 - Introduction to Research
Independent theoretical or experimental research or independent study of approved topic.
prereq: PHYS 33000, 33400, 33500, and 42700 or perm chair
1-3 cr.

PHYS 45400 - Introduction to Research

Independent theoretical or experimental research or independent study of approved topic.
prereq: PHYS 45300 or perm chair
1 to 3 cr.

Articulation Agreements

Articulation Agreement for Queensborough AAS Degree in Laser Technology

An articulation agreement is in place for AAS graduates from Queensborough Community College with a degree in Laser Technology. Consult the physics department for further information.

Articulation Agreement with New York City College of Technology

An agreement is in place for students from New York City College of Technology (CUNY) who successfully complete an associate degree in science in Liberal Arts (LAS) with at least a 2.0 overall grade-point average to be accepted into the Hunter College BA program in Physics. Consult the physics and astronomy department for further information.

Physics Option 1

Return to Programs and Courses in Physics & Astronomy

For students in the BA/MA program, students intending to teach grades 7-12, and students intending to enter the medical profession. The requirements consist of 8 credits of introductory physics courses

PHYS 11100 and PHYS 12000 preferred
and a 22-credit concentration in physics courses at the 200 level and higher:

PHYS 22100
PHYS 22200
PHYS 33000
PHYS 33400
PHYS 23000
PHYS 23500
PHYS 33500

Additionally, 15-24 credits of allied courses (mathematics and chemistry) are also required. Together, the introductory physics and the Option 1 concentration (30 credit total) satisfy the major requirement for initial certification as a
teacher of physics in grades 7-12. Option 1, together with the MA (see the Accelerated BA/MA Program in Physics), is recommended for students planning to pursue a PhD in physics.

**Preparation for Teaching**

The Option 1 major in physics satisfies the requirements for NY State initial certification of at least 30 credits for teachers in adolescent education: physics (grades 7-12). Students planning to become physics teachers at the secondary level should take the 23-credit sequence in secondary education.

Students preparing to teach physics are advised to include the following courses or their equivalents in their undergraduate program:

**MATH 25400 - Ordinary Differential Equations**

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.
prereq: MATH 25000
3 hrs 3 cr.

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10600 - General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.
prereq: CHEM 10200
coreq: CHEM 10400
8 hrs (6 lab, 2 rec) 3 cr.

**ASTRO 10100 - Basic Concepts of Astronomy with Laboratory Exercises**
GER 2/E with lab
An introductory, one-semester astronomy course designed for non-science majors. Topics include: basic observational features of the night sky, and their explanations; Kepler’s laws of planetary motion; Newton's laws of motion and gravitation. Properties of light, and how it reveals the nature of its source. Origin, properties, and evolution of our solar system. The origin and evolution of stars, including giants, dwarfs, supernovae, neutron stars, and black holes. Structure of The Milky Way and other type of galaxies. Cosmology, Hubble's Law and the expanding universe, from the Big Bang to the present; future scenarios.

_The lab consists of traditional hardware experiments and virtual online experiments._

_Students taking this course will be required to submit online and hard-copy laboratory reports._

5 hrs 4 cr.

**GEOL 10100 - Fundamentals of Geology**

GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.

6 hrs (3 lec, 3 lab) 4.5 cr.

*Offered fall and spring.*

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

_prereq: MATH 10100 or equivalent_

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

*fall only*

**Physics Option 2**

Return to Programs and Courses in Physics & Astronomy

(Biophysics concentration) is recommended for students planning to pursue graduate studies and industrial R&D in biological related areas in physics, chemistry, bioengineering, and material sciences. This concentration is designed to allow the students to gain a solid foundation in physics and biology, together with a specially-designed course in biophysics which demonstrates the disciplinary interface between the two. The concentration requirements consist of courses in physics (26 cr), mathematics (12 cr), chemistry (15 cr) and biology (18 cr) and 8 credits of electives (at least 4 must be in physics).

**Courses in Physics (26 credits)**

**PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound**
GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.

prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec) 5.5 cr.

PHYS 33000 - Atomic and Nuclear Physics

Examines experimental evidence and develops modern view of structure of atom and nucleus.

prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 33400 - Intermediate Electricity and Magnetism

Electrostatics, currents, magnetism, and introduction to electromagnetic theory of light.

prereq: PHYS 12000 or 12100
prereq or coreq: MATH 25000
4 hrs 4 cr.

PHYS 33600 - Thermodynamics and Statistical Mechanics

Study of fundamental ideas of heat, reversibility, and entropy. Introduction to statistical nature of some physical laws.

prereq: PHYS 12000 or 12100; MATH 25000
4 hrs 4 cr.

PHYS 42000 - Introduction to Biophysics

A comprehensive introduction to the interface between physics and biology and the application of the techniques of physics to understanding biological systems, focusing on developing an understanding of the thermodynamics of living systems, on the physical kinematics of macromolecules and other biological structures and on the theory of physical techniques that are used in the study of biological systems.

prereq or coreq: PHYS 33000, PHYS 33600, BIOL 30000, CHEM 37600.
4 hrs 4 cr.

Mathematics (12 cr)

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.
MATH 15500 - Calculus with Analytic Geometry II

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.
*prereq: grade of C or better in MATH 15000*
4 hrs 4 cr.

MATH 25000 - Calculus with Analytic Geometry III

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.
*prereq: MATH 15500*
4 hrs 4 cr.

Chemistry (15 cr)

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
*Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq or coreq: MATH 12500, 12600 or equiv.*
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
*Primarily for premed, medical laboratory sciences and science majors.*
*prereq: CHEM 10200 or CHEM 10000 with perm chair*
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10600 - General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate the fundamental laws of chemistry. The course is equivalent one year of general chemistry laboratory.
*Credit not given for CHEM 10600 and CHEM 10300 or CHEM 10500. Primarily for pre-med, medical laboratory sciences and science majors.*
*prereq: CHEM 10200*
*coreq: CHEM 10400*
8 hrs (6 lab, 2 rec) 3 cr.

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
*prereq: prereq for CHEM 22200: CHEM 10400*
5-6 hrs (4 lec, 1-2 recitation/workshop) 4 cr.
CHEM 22400 - Organic Chemistry Lecture II

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms.
prereq: prereq for CHEM 22400: CHEM 22200
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

Biology (18 cr)

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

BIOL 20000 - Cell Biology I: Microorganisms

GER 3/B
Structure and function of procaryotic cells and viruses; cultivation, growth, evolution, metabolism and genetics of microorganisms. Laboratories include light microscopy techniques, cultivation, growth, metabolism and genetics of microorganisms and viruses.
$10 materials fee required.
prereq: BIOL 10000 and 10200 or equiv; CHEM 10200, 10300, 10400, 10500 or equiv.coreq: CHEM 22200, 22300 or perm instr. (for Major II students, chem are CHEM 10000, 10100; coreqs are 12000, 12100)
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.

BIOL 30000 - Biological Chemistry

GER 3/B
Molecular aspects of cellular function; properties of biomolecules, their biosynthesis and breakdown; structure and function of proteins and enzymes, metabolites, membranes and nucleic acids; cellular mechanisms of energy transduction; integration and control of cell metabolism. Experiments cover a variety of modern techniques in molecular biology.
$10 materials fee required.
prereq: BIOL 20200, CHEM 22200, 22300coreq: CHEM 22400
and 8 cr of electives

At least 4 credits must be in physics

**Physics Option 3**

Return to Programs and Courses in Physics & Astronomy

(Laser and fiber optics concentration) is recommended for those interested in a career in the telecommunications industry, as it includes a foundation in lasers and fiber optics.

Eight (8) credits of introductory physics are required

  **Recommended**

**PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.

  *prereq or coreq: coreq (with perm dept.): MATH 15000
  8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.*

**PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.

  *prereq: PHYS 11000 or 11100
  prereq or coreq: (with perm dept.): MATH 15500
  8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.*

  May be taken instead

**PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound**

GER 2/E
First semester of two-semester introductory physics course using algebra.

  *prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
  7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.*

**PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics**
GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.

prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

No more than 8 credits toward the major can be obtained from these courses. It is recommended that the following be taken, if the PHYS 110-120 sequence is taken instead of the PHYS 111-121 sequence.

**PHYS 19000 - Tutorial in Mathematical Physics**

Applications of differential and integral calculus to selected topics chosen from the major subfields of physics. Completion of this course and its prerequisites is equivalent to completion of the calculus-based general physics sequence, PHYS 11100 and 12100.

prereq: MATH 15500, PHYS 12000
3 hrs (2 lec, 1 rec)2 cr.

(15 cr) are required in addition to one year of high school chemistry or college chemistry

**MATH 15000 - Calculus with Analytic Geometry I**

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.

prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs4 cr.

**MATH 15500 - Calculus with Analytic Geometry II**

GER 1/B
Differentiation and integration of transcendental functions, integration techniques, infinite sequences and series, improper integrals, polar coordinates.

prereq: grade of C or better in MATH 15000
4 hrs4 cr.

**MATH 25000 - Calculus with Analytic Geometry III**

GER 3/B
Vector geometry, dot and cross products, partial derivatives, matrices, determinants, Jacobians, multiple integration.

prereq: MATH 15500
4 hrs4 cr.

**MATH 25400 - Ordinary Differential Equations**

GER 3/B
First-order equations, second-order linear equations and linear systems, power series solutions, transform and numerical methods, introduction to qualitative theory.

prereq: MATH 25000
3 hrs3 cr.
All four courses of the sequence are required

No more than 4 credits of the sequence PHYS 231-234 may be used toward the major.

**PHYS 23100 - Fundamentals of Laser and Fiber Optics**

GER 3/B  
Topics in optics related to lasers and optical fiber and devices for modulating and directing signals from such devices. Geometrical optics with emphasis on ray tracing. Matrix methods in optics. Lenses thick and thin, mirrors, prisms and other passive optical elements and systems. Propagation of light in materials. Dispersion and its effects. Special topics in geometric and wave optics. Laboratory complements classwork.  
*prereq: PHYS 12000 or 12100 or equiv; MATH 12500*  
5 hrs 4 cr.

**PHYS 23200 - Laser and Electro-Optics Technology**

GER 3/B  
Wave optics, interference, coherence, polarization, birefringence, diffraction, gratings in two and three dimensions, power and energy measurements, basics of laser safety, ultra-fast pulse technology measurements, basics of laser safety, ultra-fast pulse technologies, electro-optics and acoustooptics switches, optical materials, non-linear optics. Laboratory complements classwork.  
*prereq: PHYS 23100*  
7 hrs 5 cr.

**PHYS 23300 - Laser Electro-Optics Devices, Measurements and Applications**

GER 3/B  
Laser as a device, principle of operation, cavity modes and their control (tuning elements, Q switching, mode-locking) and detection, laser design, types of lasers, includes discussion of laser types for medical, ranging and tracking, material processing, pollution monitoring, and optical memory applications, semiconductor laser. Laboratory complements class work.  
*prereq: PHYS 23100*  
6 hrs 4 cr.

**PHYS 23400 - Fiber Optics Devices, Measurements, and Applications**

GER 3/B  
*prereq: PHYS 23100*  
6 hrs 4 cr.

**Undergraduate Major/Graduate Major**
Physics - BA/MA

This special program for a limited number of well qualified students leads to a bachelor of arts and a master of arts degree. Students are offered the opportunity to quickly reach a level where they are competitive for admission into any doctoral program in physics. The program requires 124-126 credits (including the 30 credits required for a physics major BA degree and 30 credits from the graduate curriculum). Because this program requires a large number of physics courses, many of which have other physics courses as prerequisites, students in this program should begin taking physics courses in their first or second semester. Students should consult with the department chair, undergraduate adviser or graduate adviser for details as early as possible.

Astronomy

Astronomy courses are offered by the Department of Physics and Astronomy

ASTRO 10100 - Basic Concepts of Astronomy with Laboratory Exercises

GER 2/E with lab
An introductory, one-semester astronomy course designed for non-science majors. Topics include: basic observational features of the night sky, and their explanations; Kepler’s laws of planetary motion; Newton's laws of motion and gravitation. Properties of light, and how it reveals the nature of its source. Origin, properties, and evolution of our solar system. The origin and evolution of stars, including giants, dwarfs, supernovae, neutron stars, and black holes. Structure of The Milky Way and other type of galaxies. Cosmology, Hubble's Law and the expanding universe, from the Big Bang to the present; future scenarios.

The lab consists of traditional hardware experiments and virtual online experiments.
Students taking this course will be required to submit online and hard-copy laboratory reports.

5 hrs 4 cr.

ASTRO 10700 - Laboratory Exercises in Astronomy

GER 2/E
Classroom and online experimental laboratory exercises in astronomy to observe the major features of the night sky, demonstrate the physical basis of astronomical instruments, and experiment with astronomical phenomena. Only offered to students who have previously taken ASTRO 100 which is no longer offered [ASTRO 100 + ASTRO 107 are replaced by ASTRO 10100].
prereq or coreq: ASTRO 10000
2 hrs 1 cr.

Astronomy: Courses Less Frequently Offered

ASTRO 18100 - Astronomy of the Solar System

ASTRO 18200 - Stellar Astronomy
Physics

PHYS 10100 - Study of Selected Phenomena and Basic Concepts of Physics

GER 2/E
Introductory one-semester physics course designed for non-science majors and others requiring a one-semester terminal course.
6 hrs (3 lec, 3 lab)4 cr.

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 11100 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
For physics and other science majors. First semester of a two-semester introductory physics course using calculus.
prereq or coreq: coreq (with perm dept.): MATH 15000
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec)4.5 cr.

PHYS 12100 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11100, a two-semester introductory physics course using calculus.
prereq: PHYS 11000 or 11100
prereq or coreq: (with perm dept.): MATH 15500
8 hrs (4 lec, 3 lab, 1 rec)5.5 cr.

PHYS 19000 - Tutorial in Mathematical Physics

Applications of differential and integral calculus to selected topics chosen from the major subfields of physics. Completion of this course and its prerequisites is equivalent to completion of the calculus-based general physics sequence, PHYS 11100 and 12100.
prereq: MATH 15500, PHYS 12000
3 hrs (2 lec, 1 rec)2 cr.

PHYS 20400 - Electrical Circuits and Laboratory

GER 3/B
Passive electrical circuits and computer-based data acquisition and analysis, including basic circuit laws, methods of circuit analysis, circuit theorems, operational amplifiers, capacitors and inductors, sinusoids and phasors, sinusoidal steady state analysis, frequency response, and test and measurement instruments, virtual instruments, and data acquisition software.
prereq: PHYS 12100 or coreq: MATH 25400
5 hrs (3 lec, 2 lab)4 cr.

PHYS 22100 - Electronics

GER 3/B
prereq: PHYS 12000 or PHYS 12100
4 hrs4 cr.

PHYS 22200 - Electronics Laboratory

GER 3/B
Experiments are performed with passive devices (capacitors, inductors, resistors) and active devices (diodes, transistors). A variety of transistor amplifier and oscillator circuits are studied as well as integrated circuit applications.
prereq: PHYS 22100
4 hrs2 cr.

PHYS 22400 - Analog and Digital Electronics and Laboratory

GER 3/B
Semiconductor devices and circuits, including properties of semiconductors, diodes, transistors, amplifiers, oscillators, and digital circuits.
prereq: PHYS 20400
5 hrs (3 lec, 2 lab)4 cr.

PHYS 23000 - Classical Physics Laboratory

GER 3/B
Selected experiments of mechanics, electricity/magnetism, and thermodynamics. Experiments may include driven oscillator resonance, coupled oscillators, liquid nitrogen heat of vaporization, Fourier analysis/filtering, ferromagnetic hysteresis, and the nonlinear pendulum period. Elementary error analysis techniques and computer software for data analysis/graphing.
prereq: PHYS 12000 or 12100
4 hrs2 cr.

PHYS 23100 - Fundamentals of Laser and Fiber Optics

GER 3/B
Topics in optics related to lasers and optical fiber and devices for modulating and directing signals from such devices.

**prereq:** PHYS 12000 or 12100 or equiv; MATH 12500
5 hrs4 cr.

**PHYS 23200 - Laser and Electro-Optics Technology**

GER 3/B
Wave optics, interference, coherence, polarization, birefrigence, diffraction, gratings in two and three dimensions, power and energy measurements, basics of laser safety, ultra-fast pulse technology measurements, basics of laser safety, ultra-fast pulse technologies, electro-optics and acoustooptics switches, optical materials, non-linear optics. Laboratory complements classwork.

**prereq:** PHYS 23100
7 hrs5 cr.

**PHYS 23300 - Laser Electro-Optics Devices, Measurements and Applications**

GER 3/B
Laser as a device, principle of operation, cavity modes and their control (tuning elements, Q switching, mode-locking) and detection, laser design, types of lasers, includes discussion of laser types for medical, ranging and tracking, material processing, pollution monitoring, and optical memory applications, semiconductor laser. Laboratory complements class work.

**prereq:** PHYS 23100
6 hrs4 cr.

**PHYS 23400 - Fiber Optics Devices, Measurements, and Applications**

GER 3/B

**prereq:** PHYS 23100
6 hrs4 cr.

**PHYS 23500 - Modern Physics Laboratory**

GER 3/B
Selected experiments of quantum physics and optics. Experiments may include nuclear half-life, microwave diffraction, Bragg scattering of x-rays, nuclear multichannel scintillation, Franck-Hertz quantum levels, Millikan oil drop. Error analysis techniques including Gauss and Poisson distributions and correlation of data. Programming for data analysis.

**prereq:** PHYS 12000 or 12100
4 hrs2 cr.

**PHYS 30100 - Theoretical Physics**

Analysis of mathematical techniques for solving partial differential equations occurring in physics. Cross-listed as MATH 301.
**PHYS 31100 - Introduction to Fluid Mechanics**

This course covers the basic principles of fluid mechanics, including statics, forces on plane and curve surfaces, kinematics of fluid motion, integral and differential representation of conservation of mass, linear momentum, the first Law of Thermodynamics, Bernoulli’s equation, dimensional analysis, and elementary viscous flow. Frictional losses in laminar flow and simple pipe flow analysis are covered. Understanding of the physical phenomena is stressed and vector notation is introduced and used whenever suitable.

*cross-listed* GEOG 31100

**prereq:** PHYS 12100 or PHYS 12000 and MATH 15500

3 hrs3 cr.

**PHYS 33000 - Atomic and Nuclear Physics**

Examines experimental evidence and develops modern view of structure of atom and nucleus.

**prereq:** PHYS 12000 or 12100

**prereq or coreq:** MATH 25000

4 hrs4 cr.

**PHYS 33400 - Intermediate Electricity and Magnetism**

Electrostatics, currents, magnetism, and introduction to electromagnetic theory of light.

**prereq:** PHYS 12000 or 12100

**prereq or coreq:** MATH 25000

4 hrs4 cr.

**PHYS 33500 - Intermediate Mechanics**

Study of laws of motion and coordinate systems; introduction to powerful analytical techniques.

**prereq:** PHYS 12000 or 12100

**prereq or coreq:** MATH 25000

4 hrs4 cr.

**PHYS 33600 - Thermodynamics and Statistical Mechanics**

Study of fundamental ideas of heat, reversibility, and entropy. Introduction to statistical nature of some physical laws.

**prereq:** PHYS 12000 or 12100; MATH 25000

4 hrs4 cr.

**PHYS 34200 - Optics**

Study of lenses, mirrors, interference, diffraction, and polarization, as well as lasers, holography, and Fourier optics.

**prereq:** PHYS 12000 or 12100; MATH 25000

3 hrs3 cr.

**PHYS 38500 - Numerical Methods I**

Accuracy and precision, convergence, iterative and direct methods. Topics selected from: solution of polynomial equations and linear systems of equations, curve fitting and function approximation, interpolation, differentiation and
integration, differential equations. Cross-listed as MATH 38500 and CSCI 38500 so that students in the mathematics and computer science departments can use the course toward the completion of their major requirements.

**prereq:** MATH 25400
3 hrs3 cr.

**PHYS 39900 - Senior Thesis (W)**

This course is to prepare the students for graduate research. Each student will undertake a research experience, experimental, theoretical, and/or computational, under the supervision of a department faculty member. A final oral as well as written report will be required. The goals are that the student learns research skills in physics, written and oral communication skills, while furthering their knowledge in a topical area in physics.

**prereq:** PHYS 11100, 12100
**prereq or coreq:** ENGL 12000, and at least four 200-, 300-, or 400-level physics courses
3 cr.

**PHYS 41100 - Theoretical Mechanics**

Classical mechanics of particles and rigid bodies; special relativity; Hamilton's formulation; Liouville's theorem.

**prereq:** PHYS 33500
**prereq or coreq:** MATH 25400
3 hrs3 cr.

**PHYS 41500 - Electromagnetic Theory**

Electrostatics; vector analysis, electrostatics, electric fields in matter, magnetostatics, magnetic fields in matter, electrodynamics based on Maxwell equations, and conservation laws.

**prereq:** PHYS 33400 or PHYS 12100 with permission
**prereq or coreq:** MATH 25400
3 hrs3 cr.

**PHYS 41600 - Electromagnetic Theory II**

Electromagnetic waves, guided waves, potential and fields, radiation, electrodynamics and relativity.

**prereq:** PHYS 41500
3 hrs3 cr.

**PHYS 42000 - Introduction to Biophysics**

A comprehensive introduction to the interface between physics and biology and the application of the techniques of physics to understanding biological systems, focusing on developing an understanding of the thermodynamics of living systems, on the physical kinematics of macromolecules and other biological structures and on the theory of physical techniques that are used in the study of biological systems.

**prereq or coreq:** PHYS 33000, PHYS 33600, BIOL 30000, CHEM 37600.
4 hrs4 cr.

**PHYS 42400 - Plasma Physics**

Motion of charged particles in external magnetic and electrical field; fusion using tokamaks, mirrors, and lasers.

**prereq:** PHYS 33400
3 hrs3 cr.
**PHYS 42500 - Quantum Theory**

From Bohr model and DeBroglie waves to Schrodinger wave equation; solutions for simple cases; transformations.  
*prereq: PHYS 33000, prerequisite or coreq: MATH 25400*  
3 hrs3 cr.

**PHYS 42700 - Intermediate Physics Laboratory**

Study of modern experimental techniques in variety of fields.  
*prereq: PHYS 23500*  
4 hrs2 cr.

**PHYS 42800 - Photonics and Laboratory**

Theoretical principles and practical training of selected subjects of modern optics and lasers.  
*prereq: PHYS 33000, PHYS 22200 or 22400, coreq: PHYS 41600 or PHYS 33400*  
4 hrs2 cr.

**PHYS 44500 - Solid State Physics**

Energy levels in atoms, molecules, and solids; crystal structure; properties of solids; semiconducting devices.  
*prereq: PHYS 33000*  
3 hrs3 cr.

**PHYS 45300 - Introduction to Research**

Independent theoretical or experimental research or independent study of approved topic.  
*prereq: PHYS 33000, 33400, 33500, and 42700 or perm chair*  
1-3 cr.

**PHYS 45400 - Introduction to Research**

Independent theoretical or experimental research or independent study of approved topic.  
*prereq: PHYS 45300 or perm chair*  
1 to 3 cr.

**PHYS 48500 - Numerical Methods II**

Topics in numerical methods selected from solutions of linear equations, interpolating functions, root finding methods, nonlinear equations, Fourier series and the fast Fourier transform, partial differential equations. A major term project will be assigned. Cross-listed as MATH 48500 and CSCI 48500 so that students in the mathematics and computer science departments can use the course toward the completion of their major requirements.  
*cross-listed CSCI 48500 and MATH 48500 prereq: PHYS 38500*  
3 hrs3 cr.

**Physics: Courses Less Frequently Offered**
**PHYS 24000 - Physics of Biological Systems**

GER 3/B

**PHYS 24500 - Computer Applications in Physical Sciences**

GER 3/B

**PHYS 28000 - Astrophysics**

GER 3/B

**PHYS 36000 - Atomic and Nuclear Physics for Engineers**

**PHYS 36400 - Electricity and Magnetism for Engineers**

**PHYS 36500 - Analytical Mechanics**

**PHYS 40300 - Topics in Modern Physics**

**Programs and Courses in Political Science**

**Political Science**

**About the Department**

Political science deals with the political, social, economic, and cultural arrangements through which people govern their lives. It attempts to interpret the past, explain the present, and often dares to draw images of the future. As a discipline, political science bridges several fields: the evolution of political thought and debates about contested political ideas today; comparing different types of political systems and how they meet familiar political challenges; the use of power and influence by states and other actors to achieve their goals cooperatively or competitively with important consequences for the security, prosperity and well-being of societies around the world; and the relationship, past and present, between the American people and their governing institutions.

Students will find courses on:

a) the ideas of great thinkers from Plato to the present;
b) forms of popular political participation and engagement;
c) the causes of war and peace;
d) democratic and authoritarian political systems;
e) international political economy; f) women and politics;
g) American institutions ranging from the presidency to the courts;
h) International and U.S. constitutional law; i) important areas of public policy such as immigration;
j) and the political systems of countries in Latin America, Europe, Asia, Africa, and the Middle East.

Political science explores large and vital questions about democracy, justice, peace, participation, power, leadership, security, development, human rights, and more.
A large number of political science majors choose some branch of public service upon completing their bachelor’s degrees, often building upon internship experiences they have had as Hunter students. Graduates have pursued careers in government within the United States and some go into teaching. Others enter business. Some work in journalism. Still others enter politics or go on to law school or graduate training.

Political science, therefore, prepares students for a variety of career opportunities as well as for a lifetime of active citizenship.

**Programs and Courses**

Programs and Courses in Political Science

**Administration and Faculty**

Department Office:

1724 West  
(212) 772-5500  
Web site: http://www.hunter.cuny.edu/polisci/

Chair:

Charles Tien  
1724A West  
(212) 772-5494  
Polsci@hunter.cuny.edu

**Faculty**

Political Science Faculty  
HEGIS Code 2207

**Undergraduate Major**

**Political Science - BA**

**Major**

30 cr for students declaring after September 1, 2009

Majors are required to take at least one course in each of the four following subfields of the discipline: American government, political theory, comparative politics and international relations. Students may distribute their remaining courses in the major as they see fit. However, students contemplating graduate work are encouraged to specialize
appropriately in consultation with the department’s faculty members. One political science course used to satisfy Stage 1 (Like POLSC 11000) and one political science course used to satisfy Stage 2 (like POLSC 20000) of the Core Requirement of the GER may also be used to satisfy the major requirement. Majors may not use a political science course to satisfy Stage 3, unless they have a double-major.

For students declaring after September 1, 2009, no more than two introductory (100-level) courses can be applied toward the major. Majors must complete at least three courses at the 300-level or above in any subfield.

No more than 6 credits in internship, independent study, and/or experiential courses (such as Model United Nations) may be used to satisfy the 30 credits in the major. Also, such credits may not be used to satisfy the distribution requirements in the four fields. Courses taken for Credit/No Credit may not be applied toward the major.

**Minor in Political Science**

Students minoring in political science must complete 12 credits in political science. No more than three credits can be at the 100-level. No more than three credits in independent study can be used to satisfy the minor. Internship credits may not be applied toward the minor.

**Interdepartmental Fields**

Political Science department faculty are actively involved in many interdisciplinary programs at Hunter College. Students who want to do work in political science as part of the following interdepartmental programs should refer to the appropriate programs in this catalog.

Asian American Studies Minor,

Human Rights,

Jewish Studies - BA,

Latin American and Caribbean Studies - BA,

Public Policy

Women and Gender Studies - BA

**Honors**

To complete the requirements for departmental honors in Political Science at graduation, students must have at least 30 credits in Political Science and be eligible for graduation in the semester that they formally complete department honors. At least 21 of these credits (or in exceptional cases, 18) must be taken in the Political Science Department at Hunter College. In the case of transfer students, the student’s faculty supervisor must recommend an exception to this policy; however, in no case should a student who has taken fewer than 15 credits in academic coursework (excluding internships or other experiential education courses) in political science at Hunter College be recommended for departmental honors.

In addition, students must 1) have a GPA in the major of not less than 3.5; 2) have completed at least two credits (but not more than 6) in coursework specifically designated for honors (POLSC 492xx); 3) work on the thesis with one Supervisor who must be a full-time political science faculty member.
The thesis should be a major paper of approximately 25 pages in length that reflects serious scholarship in an honors course. Students should enroll in POLSC 49202-49203 under the supervision of a faculty member with whom the student has done prior coursework and who has agreed to supervise the student’s honors project. Students seeking to graduate with departmental honors should begin to plan the sequence of honors work at least two semesters in advance of their expected graduation date.

Approval for Honors will come from the Supervisor. Once students have received the approval of the Sponsor, the thesis can be submitted for departmental honors. Successful completion of departmental honors includes a formal presentation of the thesis to the Honors Committee. Final papers must be deposited in the department office.

Pi Sigma Alpha

Students interested in joining this honor society should consult with Professor Leonard Feldman, 1702 Hunter West, (212)396-6246, lfeldman@hunter.cuny.edu.

Writing Corequisite and Prerequisites

Introductory, intermediate and advanced political science courses require significant expository writing and ENGL 12000 as a co- or prerequisite. To assure that students are ready for these courses, they should be enrolled in ENGL 12000 (or its equivalent) or have successfully completed the course. For all 100-level courses, ENGL 12000 (or its equivalent) is a prerequisite or co-requisite; for all 200-level, 300-level and 400-level courses, ENGL 12000 (or its equivalent) is a prerequisite.

Seminar/Internship Program in New York Government

This university-wide program is designed to bridge the gap between academic study and the practical world of government. Each year approximately 300 students are selected as CUNY interns. Hunter College students participate by enrolling in POLSC 22200/22300. Interns spend eight to ten hours a week in agencies, political offices or community groups working on administrative or research assignments related to urban affairs and services.

They attend a weekly classroom seminar at Hunter and monthly meetings of the entire program at the CUNY Graduate School. Prominent government officials, political leaders, community representatives and academic experts participate in both the weekly and monthly meetings. Students are advised to have taken prior coursework in American politics and to have at least a 3.0 GPA prior to being admitted to this program. For further information, consult the Department of Political Science.

Other Internships

Students may wish to consider internships in any field of political science, and receive credit through POLSC 29801-29806. The department does not offer internship credits to students in their first semester at Hunter College or to students who have never taken a political science course at Hunter. Up to 6 credits in internship work (POLSC 29801-29806) may be used to satisfy requirements for the major. As a general rule, a student who takes POLSC 29801-29806 must be supervised by a full-time faculty member with whom the student has done prior coursework and who has agreed to supervise the student’s internship. Additional internship credits may be used as electives toward graduation.

Preparation for Graduate Study

Many political science majors go on to graduate study. Students considering graduate work should consult members of the political science faculty.
Awards and Prizes

The Political Science Department confers recognition on its outstanding graduates through prizes and awards. The Katherine Duffy Prize and The Edgar Dawson Prize are presented annually to graduating political science majors.

Scholarships

The Political Science Department may award the Joan Pincus Scholarship to students majoring in political science who have achieved at least sophomore status, have an excellent academic record and have demonstrated financial need. For additional information, see the department chair or a departmental adviser.

Political Science: Introductory Courses

The introductory courses acquaint the student with a particular segment of political science: American Government and Politics; Political Theory; Comparative Politics; and International Politics. Each will fulfill three credits of the Broad Exposure/Stage 2, Group B requirement in the social sciences. (POLSC 11000 can be used to fulfill GER 1/C or 2/B), although only one of these courses may be used for that purpose. Only two introductory courses can be applied toward the major. Students who have taken POLSC 11100 may not receive credit for POLSC 11000.

POLSC 10000 - Introduction to Politics: Democracy, Anarchy and the State (W)

GER 2/B
Introduction to some of the major questions, approaches, and texts of political science. Students will explore questions of power, coercion, virtue, democracy, conflict, and cooperation and read Plato, Aristotle, Weber, Lipset, Waltz, and Jervis, among others. Does not satisfy the major’s four subfield distribution requirement.

prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 11000 - American Government: A Historical Introduction (W)

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 11200 - Introduction to Political Theory (W)

GER 2/B
Selected writings of the great political thinkers. Recurrent problems of politics from Plato to the present.

prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

Political Science: 200 Level Core Courses
These core courses are foundational courses for their respective fields and the International Relations course is a prerequisite for many 300-level courses in international relations.

**POLSC 20000 - Interpreting Politics: An Introduction to Political Ideas (W)**

GER 2/B or 3/B
An introduction to interpreting major political ideas and their significance in the contemporary world. Competing understandings of concepts such as freedom, equality, justice, citizenship, and legitimacy will be explored, in part by applying them to concrete political issues such as multiculturalism, economic distribution, and the death penalty.

*prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.*

**POLSC 25000 - Comparing Countries (W)**

GER 3/B
Examination of the core concepts, theories, and issues in the field of comparative relations. Topics include: Comparative analysis of democracies and democratization, revolution, and ethnicity and ethnic conflict.

*prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.*

**POLSC 27000 - International Relations: Conceptual Foundations and Current Issues (W)**

GER 3/B
Examines the conceptual foundations of international relations and their application to current issues. Topics include: anarchy, power, war and peace, international cooperation, the role of the state and non-state actors, international institutions, norms and human rights, and the global economy.

*Students may not take both POLSC 11500 and POLSC 27000 at Hunter College for credit. (Transfer students may receive only 100-level credit for a course equivalent for POLSC 11500 after spring 2010, when POLSC 27000 becomes the prerequisite for most advanced courses in international relations.)*

*prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.*

**Political Science: American Government and Politics**

**POLSC 11000 - American Government: A Historical Introduction (W)**

GER 1/C or 2/B
Overview of the American political system from a historical perspective, with emphasis on the Constitution and its enduring influence, development of party systems and citizen participation and evolving role of Congress, presidency and courts. Not open to students who have taken POLSC 11100.

*prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.*

**POLSC 21100 - State Government and Politics (W)**
GER 3/B
Comparative analysis of state governments. Power and role of governors, state legislatures, parties, lobbies.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 21200 - Urban Politics (W)

GER 3/B
Politics in New York City and other urban areas. Decentralization, suburbanization, race, ethnicity, reform.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 21300 - Political Parties and Elections (W)

GER 3/B
Organization, campaigns, nominations, voting behavior, issues, finances, reforms.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 21500 - Public Opinion and Political Participation (W)

GER 3/B
What American people think about politics and how they express it, from polls to elections to demonstrations.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 21700 - Contemporary Issues in American Politics

GER 3/B
Selected topics in American politics and government.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 21800 - Women and Politics (W)

GER 3/B PD/C
Constitutional and legal position of women, ERA, affirmative action, marriage, divorce, property, feminist causes.
cross-listed WGS 21800 (W)
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 21900 - Women and the Law (W)

GER 3/B PD/C
Overview of how local, state and federal laws treat people on the basis of sex.
cross-listed WGS 21900
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 22100 - U.S. Immigration Policy (W)
GER 3/B PD/B & C
The course focuses on the political development of federal immigration policy, and on historical and contemporary issues in policy design and implementation. The course also surveys recent findings and debates arising from empirical analyses of immigration policy.

prereq: ENGL 12000 or its equivalent and POLSC 11000/11100 or HIST 15100/15200

3 hrs 3 cr.

POLSC 22600 - Interest Group Politics (W)

GER 3/B
Analysis of the organization and role of interest groups in American politics. The course stresses the importance of organizational resources and the ability of interest groups to be “faithful advocates” of member interests in exercising influence in elections and policy-making.

Not open to students who completed POLSC 21400

3 hrs 3 cr.

POLSC 22700 - Political Parties (W)

GER 3/B
Theories, historical analysis, and contemporary views of the central institution that links citizens and office holders in the United States, with a focus on the role of parties as vehicles for expressing and pursuing policy goals.

Not open to students who completed POLSC 21400

prereq: ENGL 12000 or its equivalent

3 hrs 3 cr.

POLSC 23000 - The American Presidency (W)

GER 3/B
Selection, election, role, functions and powers of the president.

prereq: ENGL 12000 or its equivalent

3 hrs 3 cr.

POLSC 23500 - The American Congress (W)

GER 3/B

prereq: ENGL 12000 or its equivalent

3 hrs 3 cr.

POLSC 23800 - The American Legal System (W)

GER 3/B
Civil and criminal law, common law and equity, substantive and procedural law. Emphasis on federal and New York law.

prereq: ENGL 12000 or its equivalent

3 hrs 3 cr.

POLSC 24000 - The American Judiciary (W)
GER 3/B
The Supreme Court and other federal courts as part of policy-making process in American government.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 24400 - Energy and Environmental Politics and Public Policy (W)
GER 3/B
Examination of political processes and public policies shaping energy production and consumption in the U.S. with comparative reference to other countries. Emphasis on political, economic, social, environmental and foreign policy aspects.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 27400 - American Foreign Policy (W)
GER 3/B
Personalities and processes in making, administering and controlling our foreign policy.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 30100 - American Political Thought (W)
GER 3/B
Examination of ideas that have shaped American politics from the Revolution to the present, including Federalists and Anti-Federalists, Progressivism and responses to industrialization and recent debates over the welfare state, political inclusion and democracy.
prereq: ENGL 12000 or its equivalent; one course in political theory or perm. instr.
3 hrs 3 cr.

POLSC 31700 - Contemporary Issues in American Politics
GER 3/B
Selected topics in American politics and government.
cross-listed WGS 39800 is cross-listed with POLSC 31707 Community Leadership Seminar
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 32000 - Ethnic Politics (W)
GER 3/B PD/B
Ethnicity in local and national politics. Major groups, how they affect government, what government does for them.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 32100 - American Political Economy (W)
GER 3/B
Critical analysis of the distribution of power between the state and the private sector. Theories about the government-business relationship are tested through a series of case studies.
POLSC 33000 - American Political Development (W)

GER 3/B
Analysis of the historical development of American politics, including: the impact of the Constitution, ideas, and political culture; state building/unbuilding in different historical eras; and the evolution of citizenship and political participation.

prereq: ENGL 12000 or its equivalent, POLSC 11000 or perm. inst
4 hrs4 cr.

POLSC 34000 - Constitutional Law: Organizing the Government (W)

GER 3/B
Constitutional problems and Supreme Court decisions. Federalism, judicial review, separation of powers, foreign policy.
prereq: POLSC 11000 or 11100 or 23800
3 hrs3 cr.

POLSC 34100 - Constitutional Law: Civil Rights (W)

GER 3/B
Constitutional problems and Supreme Court decisions regarding race and sex discrimination.
prereq: POLSC 11000 or 11100 or 23800
3 hrs3 cr.

POLSC 34200 - Constitutional Law: The First Amendment (W)

GER 3/B
Constitutional problems and Supreme Court decisions regarding freedom of speech, press (media), religion and assembly.
prereq: POLSC 11000 or 11100 or 23800
3 hrs3 cr.

POLSC 34300 - Criminal Law (W)

GER 3/B
Constitutional problems and judicial decisions regarding search and seizure, right to counsel, self incrimination.
prereq: POLSC 11000 or 11100 or 23800
3 hrs3 cr.

POLSC 34800 - Public Administration and Public Policy (W)

GER 3/B
Analysis of problems in policy-making and administration, focusing on motivations, ethics, authority.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.
Political Science: Comparative Politics

POLSC 25000 - Comparing Countries (W)

GER 2/B
Examination of the core concepts, theories, and issues in the field of comparative relations. Topics include: Comparative analysis of democracies and democratization, revolution, and ethnicity and ethnic conflict.

_prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 25100 - Politics of Africa, Asia and Latin America (W)

GER 3/B
An examination of the nature of governance and politics in Africa, Asia and Latin America. Through in-depth study of several countries, students explore topics and concepts such as political culture, modernization, development, dependency, democracy, political leadership and the processes of policy making.

_prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 25200 - Government and Politics in the Caribbean (W)

GER 3/B PD/A
Colonial heritage and American presence. Political institutions, cultural diversity and economic dependency.

_prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 25300 - Government and Politics in Latin America (W)

GER 3/B PD/A
Ideology, revolution, authoritarianism, democracy, institutions, class structure, distribution of wealth and power, political and economic development.

cross-listed LACS 43405

_prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 25400 - Government and Politics in Western Europe (W)

GER 3/B PD/D
Theory, practice, institutions and problems of Western European nations particularly Britain, France and Germany.

_prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 25500 - Government and Politics of Japan and Korea (W)

GER 3/B PD/A
Political, social and economic institutions of Japan and Korea; their domestic politics and relations with the world.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 25600 - Government and Politics in South and Southeast Asia (W)

GER 3/B PD/A
Political, economic and social institutions of India, Cambodia, Vietnam, Indonesia, Thailand, etc.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 25700 - Government and Politics of China (W)

GER 3/B PD/A
Chinese politics, institutions and foreign policy.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 26000 - African Politics through African Films (W)

GER 3/B PD/A
An examination of contemporary African politics using various social science theories, films and documentaries made by African filmmakers.

cross-listed AFPRL 29019, MEDIA 29975, FILM 21462
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 26100 - Globalization and Opposition Movements (W)

GER 3/B
The environmental, social and political effects of economic globalization in less industrialized and in highly industrialized countries; reformist and radical critiques and neoliberal defenses; causes and consequences of opposition movements.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 26200 - Government and Politics in Central America (W)

GER 3/B PD/A
Political institutions, ideology, class and ethnic structure, economic development, distribution of wealth and power, foreign influences and revolutionary and evolutionary roads to modernization.

cross-listed LACS 43429
prereq or coreq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 26300 - Government and Politics in the Middle East (W)

GER 3/B PD/A
Introduction to Islamic societies and their politics with particular attention to cultures of region.
**POLSC 26400 - Government and Politics of Israel (W)**

GER 3/B
Historic evolution of the Jewish state and its political system, social issues and foreign policy.

*prereq: ENGL 12000 or its equivalent*

3 hrs 3 cr.

**POLSC 26500 - Government and Politics in Eastern Europe (W)**

GER 3/B PD/D
Political, social and economic institutions of individual Eastern Central European nations and their post-communist transitions.

*prereq: ENGL 12000 or its equivalent*

3 hrs 3 cr.

**POLSC 26700 - The Politics of Southern Africa (W)**

GER 3/B PD/A
Political, economic and social institutions in Zimbabwe, Kenya, Nigeria, Tanzania, South Africa, etc.

*cross-listed AFPRL 29015*

*prereq: ENGL 12000 or its equivalent*

3 hrs 3 cr.

**POLSC 26900 - Governments and Politics of Northern Africa (W)**

GER 3/B
Political, economic and social institutions in Algeria, Tunisia, Morocco, Libya, etc.

*prereq: ENGL 12000 or its equivalent*

3 hrs 3 cr.

**POLSC 27200 - Contemporary Issues in Comparative Politics**

GER 3/B
Selected topics in comparative politics.

*prereq: Any 100-level course on POLSC or perm instr.*

3 hrs 3 cr.

**POLSC 31000 - Comparative Legal Systems (W)**

GER 3/B
Comparative study of major legal traditions of the modern world, including common law, civil law, Soviet, Islamic, Chinese, tribal and hybrid systems.

*prereq: POLSC 11000, 23800 or 34000 or 34100 or 34300 or 37500 or any course in comparative politics subfield, or perm instr; ENGL 12000 or its equivalent*

3 hrs 3 cr.
POLSC 31500 - Social and Economic Policies in Western Europe and the United States (W)

GER 3/B PD/D
Evolution of social and economic policies from the 19th century to the present. Policies are analyzed in light of tensions between democracy and capitalism.

prereq: ENGL 12000 or its equivalent; any course in comparative politics, or perm instr.
3 hrs3 cr.

POLSC 35100 - Government and Politics of Russia and the Post-Soviet States (W)

GER 3/B
Post-Soviet politics, institutions, social forces, economic transformations and regions.

prereq: ENGL 12000 or its equivalent; any course in comparative politics, or perm. instr.
3 hrs3 cr.

POLSC 35200 - State and Society in Africa (W)

GER 3/B PD/A
An examination of the nature of the relationship between the African state and civil society in the post-independence period and how this relationship influences governance and democracy.

prereq: ENGL 12000 or its equivalent; any course in comparative politics, or perm. instr.
3 hrs3 cr.

POLSC 35300 - Social Movements, Civil Society, and the State in Latin America (W)

GER 3/B
Analysis of the role of popular and opposition movements in Latin America and their relationship to the state, from the challenges to the dictatorships of the 1970s through the contemporary neoliberal economic order and democratic polities.

prereq: ENGL 12000 or the equivalent; any course in comparative politics; minimum of 45 credits and 9 credits in political science or permission of the instructor.
4 hrs4 cr.

POLSC 37200 - Contemporary Issues in Comparative Politics

GER 3/B
Selected topics in comparative politics.

prereq: ENGL 12000 or its equivalent; any course in comparative politics, or perm instr.
3 hrs3 cr.

POLSC 37800 - Russian National Interest: Past and Present (W)

GER 3/B PD/D
In a contemporary, historical and comparative context, this course will explore the factors influencing debates on and definitions of Russia’s national interests, the strategies for promoting those interests and the implications for Russia and the international system.
**Political Science: International Politics**

**POLSC 27000 - International Relations: Conceptual Foundations and Current Issues (W)**

GER 3/B  
Examines the conceptual foundations of international relations and their application to current issues. Topics include: anarchy, power, war and peace, international cooperation, the role of the state and non-state actors, international institutions, norms and human rights, and the global economy.  

*Students may not take both POLSC 11500 and POLSC 27000 at Hunter College for credit. (Transfer students may receive only 100 level credit for a course equivalent to POLSC 11500 after Spring 2010, when POLSC 27000 becomes the prerequisite for most advanced courses in international relations.)*

*prereq: ENGL 12000 or its equivalent*  
3 hrs 3 cr.

**POLSC 27100 - International Politics in the Americas (W)**

GER 3/B PD/A  
Dynamics of US relations with Latin American countries from the colonial era through the Cold War to the present, and of relations of Latin American countries with each other and with extra-hemispheric nations.  
*cross-listed LACS 43432*  
*prereq: ENGL 12000 or its equivalent*  
3 hrs 3 cr.

**POLSC 27300 - Contemporary Issues in International Politics**

GER 3/B  
Special issues in international politics. Past topics included the international law of energy, world water resources, war.  
*prereq: ENGL 12000 or its equivalent*  
3 hrs 3 cr.

**POLSC 27400 - American Foreign Policy (W)**

GER 3/B  
Personalities and processes in making, administering and controlling our foreign policy. Crises and dilemmas.  
*prereq: ENGL 12000 or its equivalent*  
3 hrs 3 cr.

**POLSC 27500 - Politics of the Global Economy (W)**

GER 3/B  
Introduction to International Political Economy (IPE). Examines the dynamic interaction between politics and economics across national borders, including the politics of trade, development, finance, varieties of capitalism,
globalization and environmental protection. Not open to students who have taken POLSC 37600.

prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

**POLSC 27600 - International Relations of the Third World (W)**

GER 3/B PD/A
Analysis of the role played by Third World states in international arena, examining relations of developing nations with advanced industrialized states, socialist states and other developing nations.

prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

**POLSC 27800 - International Organizations (W)**

GER 3/B
Powers, functions and effectiveness of international institutions; emphasis on United Nations and regional organizations.

prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

**POLSC 28000 - Women, War and Peace (W)**

GER 3/B PD/C
The course examines the roles that women have played as subjects and objects in war and peace.

cross-listed WGS 26200 (W)

prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

**POLSC 28100 - Drugs, Politics and Public Policy (W)**

GER 3/B
Examination of public policies addressing drug use and abuse in the United States and other countries with emphasis on political and cultural determinants, economic and market factors, constitutional implications and United States foreign policy.

prereq: ENGL 12000
3 hrs 3 cr.

**POLSC 28200 - International Security (W)**

GER 3/B
An introduction to basic concepts and problems in the area of international security, this course will explore explanations for some of the central causes of security/insecurity and peace/war, as well as examine select contemporary security issues.

prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

**POLSC 28300 - Terrorism (W)**

GER 3/B
The course will explore the types, causes, and strategies of terrorism as well as the effectiveness and civil liberty implications of counterterrorism strategies. Both contemporary and historical terrorist groups will be considered.
Not open to students who have completed POLSC 27353.
prereq or coreq: ENGL 12000 or the equivalent
3 hrs 3 cr.

POLSC 37300 - Contemporary Issues in International Politics

GER 3/B
Selected topics in international politics.
prereq: ENGL 12000 or its equivalent; POLSC 27000 or 11500 (prior to 9/2010)
3 hrs 3 cr.

POLSC 37400 - International Human Rights (W)

GER 3/B
An examination of the origins, substance and processes of human rights in international relations.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 37500 - International Law (W)

GER 3/B
Case studies on nature, sources, practices and efficacy of international law, principles and rules.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

POLSC 37600 - International Political Economy (W)

GER 3/B
Examination of the intersection of politics and economics at the international level through a careful reading and analysis of dominant theoretical approaches and their application to central debates concerning the politics of trade, money and finance, development and globalization.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or 27500; minimum of 45 credits and 9 credits in political science or permission of the instructor.
4 hrs 4 cr.

POLSC 37700 - Theories of International Politics (W)

GER 3/B
An examination of the central concepts and issues in international politics that underpin the main theoretical debates in the field.
prereq: ENGL 12000 or its equivalent; POLSC 27000 or perm. instr.
3 hrs 3 cr.

POLSC 37900 - War and Strategy (W)

GER 3/B
An examination of strategy and wars between states, within states, and between states and transnational groups. Focuses on how strategy affects the avoidance, outbreak, conduct, and consequences of war and the difficulty of
devising strategies that successfully link political ends and military means.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or POLSC 28200; minimum of 45 credits and 9 credits in political science or permission of the instructor.
4 hrs4 cr.

POLSC 38000 - European Security (W)

GER 3/B PD/D
A theoretically informed examination of current and historical security problems in Europe, with a focus on the sources of war and peace, strategic calculations, alliances, institutions, democratization, norms, and ideological and identity conflicts. A principal aim is to establish a foundation for analyzing the prospects for a secure order in Europe in the first part of the 21st century.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or 28200; minimum of 45 credits and 9 credits in political science or permission of the instructor.
4 hrs4 cr.

POLSC 38100 - East Asia in World Politics (W)

GER 3/B PD/A
An examination of sources of stability and instability in East Asia, using social science theories and historical background.

prereq: ENGL 12000 or its equivalent; POLSC 27000 or perm instr.
3 hrs3 cr.

POLSC 38200 - Causes of War (W)

GER 3/B
An analysis of the causes of war and peace for both civil and interstate wars including especially the role of bargaining, but also the roles alliances, arms races, rivalries, and institutions.

prereq or coreq: ENGL 12000 or the equivalent; POLSC 27000 or POLSC 28200; minimum of 45 credits and 9 credits in political science or permission of the instructor.
4 hrs4 cr.

Political Science: Political Theory

POLSC 11200 - Introduction to Political Theory (W)

GER 2/B
Selected writings of the great political thinkers. Recurrent problems of politics from Plato to the present.
prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20000 - Interpreting Politics: An Introduction to Political Ideas (W)
GER 2/B or 3/B
An introduction to interpreting major political ideas and their significance in the contemporary world. Competing understandings of concepts such as freedom, equality, justice, citizenship, and legitimacy will be explored, in part by applying them to concrete political issues such as multiculturalism, economic distribution, and the death penalty.

prereq or coreq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20100 - Ancient to Early Modern Political Thought (W)
GER 3/B PD/D
The study of selected writers from the ancient Greeks to the Renaissance (e.g., Plato to Machiavelli), focusing on the political dimensions of such ideas as rationality, virtue, community, human nature and historical change.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20200 - Modern Political Thought (1600-1900) (W)
GER 3/B PD/D
The study of selected political writers (e.g., Hobbes to Nietzsche), with special emphasis given to the nature of and problems with, liberty, equality and justice in modern societies and states.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20300 - Political Thought Since 1900 (W)
GER 3/B PD/D
Exploration of concepts and thinkers in political theory since 1900. Topics include such traditional issues of political theory as the nature and scope of political regimes, justice, equality and changing concepts of human nature.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20400 - Contemporary Issues in Political Theory
GER 3/B
Topics vary each semester. They have included democracy in America, totalitarianism, liberty and authority.
prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20600 - Research Design in Political Science (W)
GER 3/B
Public opinion surveys, content analysis, legislative roll-call analysis, census data, election returns. Introduction to statistics. Uses Social Science Data Lab.
prereq: passing college proficiency exam in math or perm instr; ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 20700 - Data Analysis in Political Science (W)
Computer applications and statistical analysis in political science. Students write a quantitative term paper. Uses Social Science Data Lab.

prereq: POLSC 20600 or perm instr.
3 hrs3 cr.

POLSC 20900 - Women and Gender in Western Political Thought (W)

Examines history of political thought from the perspective of gender relations and the treatment of women. cross-listed WGS 20900 (W)

prereq: ENGL 12000 or its equivalent
3 hrs3 cr.

POLSC 30100 - American Political Thought (W)

Examination of ideas that have shaped American politics from the Revolution to the present, including Federalists and Anti-Federalists, Progressivism and responses to industrialization and recent debates over the welfare state, political inclusion and democracy.

prereq: ENGL 12000 or its equivalent; one course in political theory or perm. instr.
3 hrs3 cr.

POLSC 30400 - Contemporary Issues in Political Theory

Selected topics in political theory.

prereq: ENGL 12000 or its equivalent; one course in political theory subfield or perm instr
3 hrs3 cr.

POLSC 30500 - Democratic Theory (W)

A critical survey of different conceptions of democracy: issues include democracy as a political order, democracy and 'non-political' forms of life (e.g., business, family, religion), toleration, political representation, democracy and justice.

prereq or coreq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs3 cr.

POLSC 30900 - Feminist Political Theory (W)

Readings in feminist ideas, both historical and contemporary, on issues of power, justice and equality. The course will emphasize different perspectives, including those of liberal, radical, postmodernist, women of color, third world and 'global' feminists.

cross-listed WGS 30900 (W)

prereq: ENGL 12000 or its equivalent; one course in political theory or perm instr.
3 hrs3 cr.

POLSC 31100 - Utopian Theory (W)
Political theorists often imagine ideal worlds, both to explore ideals and to criticize political realities. This course will explore utopias and dystopias as theories that explore political possibilities and challenge existing realities.

**Prereq:** ENGL 12000 or its equivalent; one course in political theory or perm dept.

3 hrs 3 cr.

**POLSC 31600 - Political Theory of Human Rights (W)**

GER 3/B

A critical analysis of the intersection of academic and practical discourse of human rights with the central concerns of political theory, particularly as it engages relationships between ethics and power as well as theory and practice.

**Prereq:** ENGL 12000 or its equivalent; one course in political theory or perm instr.

3 hrs 3 cr.

**Political Science: Independent Study, Honors, Advanced Seminars**

The following courses, which include independent studies, and honors independent studies, may not be used to fulfill the four subfield requirement. **No more than 6 credits in internship, independent study, and/or experiential courses** (such as Model United Nations) may be used to satisfy the 30 credits in the major.

**POLSC 29001-29003 - Independent Study in Political Science**

GER 3/B

Students may take independent study only with full-time members of the department. As a general rule, the students should have taken a prior course with this instructor. Departmental permission will not be granted without explicit approval by the instructor.

**Prereq:** at least one course in appropriate field, perm dept.

1-3 cr

**POLSC 48000 - Seminar in Selected Problems of Political Science**

Open to Jr/Sr only. Advanced seminar on selected topics.

**Prereq:** perm dept.

3 hrs 3 cr.

**POLSC 48600 - Senior Colloquium**

Advanced seminar. Major project and/or paper required.

**Prereq:** perm. dept.

3 hrs 3 cr.

**POLSC 49202-49203 - Honors Independent Study in Political Science**

Students may take independent study honors projects only with full-time faculty members of the department. As a general rule, the students should have taken a prior course with this instructor. Departmental permission will not be granted without explicit approval by the instructor.
**Political Science: Experiential Courses**

Experiential courses may not be used to fulfill the four subfield requirements. **No more than 6 credits in internship, independent study, and/or experiential courses** (such as Model United Nations) may be used to satisfy the 30 credits in the major.

**POLSC 22200/22300 - Seminar/Internship in New York City Government**

Practical experience in city government and politics. Weekly seminars, monthly university-wide meetings.

*Students are advised to have completed at least 60 overall credits and 12 to 15 political science credits with at least one course in the field in which they are interested in taking the internship. Students should have at least a 3.0 grade point average in political science before applying.*

**prereq:** perm dept.

4 hrs 4 cr.

**POLSC 29801-29806 - Internship in Political Science**

Students may take independent study internships only under the supervision of full-time members of the department. As a general rule, the students should have taken a prior course with this instructor. Departmental permission will not be granted without explicit approval by the instructor.

**prereq:** at least one course in appropriate field, perm dept.

1-6 cr.

**Programs and Courses in Psychology**

**Psychology**

**About the Department**

Psychology is concerned with all aspects of the study of behavioral, developmental and cognitive processes and employs a broad spectrum of approaches, from the social to the biological, to understand them. The Hunter College psychology program reflects the diversity of psychology as a science and a profession. Course offerings range from clinical, social and developmental psychology to experimental psychology, ethology, biopsychology and behavioral neuroscience.

Although Psychology is a large department, students have personal contact with faculty members through an extensive advisement system, involvement in departmental activities and committees, supervised field placement and participation in research laboratories under the guidance of faculty mentors as part of our independent study, honors, COR (Career Opportunities in Research and Education), MARC (Minority Access to Research Careers), MIDARP (Minority Institutional Drug Abuse Research Development Program) & MBRS (Minority Biomedical Research Support) programs.
A broad range of applied and research opportunities are available within the department in developmental psychology, social psychology, human adjustment, animal behavior, physiological psychology and abnormal psychology. Departmental affiliations with mental health and community organizations make it possible for students to integrate their academic studies of personality, abnormal and child psychology with supervised practical experience by means of field placements and opportunities for applied research.

The faculty and facilities of the CUNY doctoral program in Biopsychology and Behavioral Neoroscience and master’s program in General Psychology or in Animal Behavior and Conservation are integral parts of the Hunter College psychology program. These programs provide course concentrations in a number of different areas within psychology and offer undergraduate students research and other opportunities to interact with graduate students. Qualified students in their last semester may be admitted to graduate courses with the approval of the instructor and the department’s graduate adviser.

The psychology major, as part of the bachelor’s degree program, prepares the student for many career possibilities in psychology, education, social and welfare services, health services and industry and fulfills the course requirements for entering most psychology graduate programs. A background in psychology combined with special training in other disciplines within the college may be especially useful in preparing for careers in human resources, medicine, law, nursing, speech pathology, social work, special education, counseling and music, art and dance therapy.

Our undergraduate and graduate advisers provide students with additional guidance and information regarding career opportunities and graduate study.

**Programs and Courses**

Programs and Courses in Psychology

**Administration and Faculty**

Department Office:

611 North  
(212) 772-5550  
Web site: http://www.hunter.cuny.edu/psychology

Chair:

Vanya Quiñones-Jenab  
611 North  
(212) 772-5550  
vanya.quinones@hunter.cuny.edu

**Faculty**

Psychology Faculty

HEGIS Code: 2001

**Undergraduate Major**
**Psychology - BA**

**Special Programs**

**Field Placement Program**

Offered for one semester (PSYCH 30600) or as a 2-semester sequence, Psychological Services I and II (PSYCH 30600 and PSYCH 30700) give enrolled students practical supervised career experience one day per week in an approved mental health or community service setting in conjunction with a class that meets once each week. Students may also gain field experience in conjunction with academic work through Independent Study (PSYCH 20100) with a faculty sponsor. Permission of the instructor is required for these courses and students should start making arrangements by the preceding term before they plan to take the course (e.g., midspring for the fall term). The undergraduate adviser can inform students of the instructor who will be teaching PSYCH 30600 and PSYCH 30700, for which field placement referrals are made by the instructor. Students wishing to take PSYCH 20100 in conjunction with a field experience should meet with the college internship coordinator (by appointment in Career Development, Room 805 Hunter East) and with prospective faculty sponsors.

**The COR Program (Career Opportunities in Research and Education)**

The departments of psychology, anthropology and sociology jointly offer a program called COR (Career Opportunities in Research and Education). This interdisciplinary research training program for academically talented minority juniors and seniors is funded by the National Institute of Mental Health. Participants receive a monthly stipend and are granted tuition and fee remission. Students take a special curriculum and get individualized research training in a variety of areas under the supervision of a faculty mentor. The program has several levels of participation and underrepresented minority students, especially sophomores, intending to pursue a research-related career in the participating disciplines are urged to apply to the program. Additional details and descriptive literature are available from the COR program director, Professor Regina Miranda regina.miranda@hunter.cuny.edu, (212) 772-4809, or Judith Diaz-Minaya, program manager (uddiaz@hunter.cuny.edu, (212) 772-4562).

**The MIDARP Program (Minority Institutional Drug Abuse Research Development Program)**

The overall goal of MIDARP is to develop the capacity of Hunter College to support drug abuse research through the following objectives: (1) provide underrepresented minority faculty with drug abuse research knowledge and skill development through the conduct of research projects and other professional development activities, (2) encourage underrepresented minority students to pursue drug abuse research careers by providing them with educational enrichment and research experiences; and (3) strengthen the underlying institutional infrastructure needed to support drug abuse research. Undergraduate students supported by MIDARP are highly qualified students from underrepresented populations. They must be interested in pursuing careers in drug abuse research and in working in the laboratory of a MIDARP investigator.

**Exemptions**

A student may be exempt from PSYCH 10000 by earning a score of 4 or 5 on the Advanced Placement Test taken in conjunction with a high school course in psychology or by passing the CLEP examination (College Level Education Program). Exemption from Child Psychology (PSYCH 21000) may be earned by a passing grade on the CLEP examination in Developmental Psychology. CLEP examinations are given at various testing centers. Interested students
can obtain information and application forms at http://www.collegeboard.com or by contacting the Office of Student Services. A passing grade on either CLEP examination provides 3 credits. Information on exemption from the mathematics course requirement and on test administration is available from the Testing Center, North 150 (http://admissions.hunter.cuny.edu/Testing.htm).

The Psychology Major

Preparation

The psychology major is designed to provide students with training in both the evaluation and the generation of research data. For this reason, the core sequence of Psychological Statistics and Experimental Psychology is central to the program and is a prerequisite for all upper-level psychology courses. Performance in the Psychological Statistics/Experimental Psychology sequence will be greatly facilitated by proper preparation in mathematics and laboratory science and the development of excellent writing skills.

**PSYCH 24800 - Statistical Methods in Psychological Research**

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

*PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

*prereq: PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or or appropriate score on math placement exam*

*coreq: Writing Intensive prereq or coreq: ENGL 12000*

4 hrs 4 cr.

**PSYCH 24900 - Experimental Psychology: Social**

GER 3/B
Introduction to the principles of research methodology and experimental techniques. Required research reports involve laboratory and field exercises concerned with a variety of social psychological phenomena. (Students may take either PSYC 249 or 250, but not both.)

*PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

*prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade; PSYC 24800 with a minimum grade of C*

*prereq or coreq: Writing Intensive*

6 hrs (2 lec, 4 lab) 4 cr.

**PSYCH 25000 - Experimental Psychology: General**

GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of
laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade; PSYCH 24800 with a minimum grade of C

prereq or coreq: Writing Intensive

6 hrs (2 lec, 4 lab) 4 cr.

Course of Study

Completion of ENGL 12000 prior to declaration of the major in psychology is strongly recommended. ENGL 12000 is a pre or co-requisite for all 200-level classes below 24900. For any classes numbered 24900 and above, ENGL 12000 is a prerequisite. Students whose career goals include professional work in psychology, social work, or counseling should take the following courses, as appropriate. Note that each may be used only once to satisfy major requirements.

PSYCH 20100 - Independent Study in Psychology

May be applied to major once. Designed to meet the needs of individual students under the direction of a particular faculty sponsor. The course may involve independent readings, tutorials, work as an advising assistant or peer counselor, field placement, an individual research project, or participation in ongoing faculty research, any of these culminating in a written report.

prereq: PSYCH 10000 and any other 3 cr PSYCH course, perm dept.

prereq or coreq: ENGL 12000

3 hrs 3 cr.

PSYCH 30600 - Seminar in Psychological Services I (A)

Open to declared majors only. An integration of personality and abnormal psychology, the helping process and the role of the helper. Seminar and one day per week placement in mental health/community service setting.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000, PSYCH 2200 or 32300, PSYCH 24900 or 25000, perm instr.

8 hrs 4 cr.

PSYCH 30700 - Seminar in Psychological Services II (A)

Integration of personality and abnormal psychology. Seminar and one day per week placement in mental health/community service setting.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000, PSYCH 30600, perm instr.

3 hrs 3 cr.
PSYCH 39500 - Independent Research in Psychology

May be applied to the major once. Designed to meet the needs and interests of individual students under the direction of a particular instructor at a more advanced level than PSYCH 20100. Such study may involve independent reading, tutorials, independent research projects, or participation in ongoing faculty research, any of these culminating in an APA-style research report or literature review. Field Placements (internships) cannot be granted credit as PSYC 39500; however, supervised field Placement taken in conjunction with PSYC 36100 - Psychological Tests (A) will be granted credit as PSYC 395.

prereq: ENGL 12000. PSYCH 24900 or 25000, perm instr.
3 hrs3 cr.

-or-

PSYCH 39600 - Honors in Psychology

Independent, sponsored, empirical research and seminar. Students are expected to attend the regularly scheduled seminar. An APA-style research report or its equivalent (to be filed in the department) is a requirement of this course. To graduate with departmental honors, the student must receive a grade of A in PSYCH 39000. Honors in Psychology is typically a one-semester course; however, when a PSYCH 39600 research project extends beyond a single semester, the student may (with permission) register for a second semester as PSYCH 39800. If taken, the student must receive a grade of A in both PSYCH 39600 and 39800 to graduate with departmental honors.

prereq: ENGL 12000. PSYCH 24900 or 25000; 3.5 major GPA; 3.00 cumulative GPA; perm instr.
3 hrs3 cr.

Declaration of Major

To declare a psychology major, the student must have completed Introduction to Psychology PSYCH 10000 and any other 100-level psychology course with a minimum grade of B, a required mathematics course with a minimum grade of C or CR and have a minimum GPA of 2.00. The mathematics requirement may be satisfied by the following, or by earning exemption from the mathematics requirement. The major must be declared in person with an undergraduate psychology adviser. (Refer to website http://hunter.cuny.edu/psychology for schedule.) The student must bring his/her Hunter transcript (and where relevant, transcripts from all other colleges attended) when meeting with the adviser to declare a psychology major.

STAT 11300 - Elementary Probability and Statistics

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs3 cr.

-or-

MATH 12500 - Precalculus
GER 1/B
Functions and their graphs: polynomial, rational, exponential, logarithmic and trigonometric functions; conic sections; topics in trigonometry; graphical and analytical solutions to systems of equations and inequalities. Not credited to students who have completed MATH 15000 or its equivalent.
prereq: grade of C or better in MATH 10100 or appropriate score on placement exam
4 hrs4 cr.

Psychology Major

The major consists of 26 credits in psychology above the 100 level, including PSYCH 24800 - Statistical Methods in Psychological Research and PSYCH 24900 - Experimental Psychology: Social or PSYCH 25000 - Experimental Psychology: General. The major also requires at least one course in each of the following content areas:

- applications of psychology;
- biopsychology;
- cognitive processes;
- and developmental/social psychology.

(If a course meets requirements for more than one content area, the student may apply the course to only one of them.)

All of the content-area courses must be at or above the 200 level and at least 2 of the content-area courses must be at or above the 300 level. Two additional (elective) courses in psychology, at the 200 level or higher, must be completed. Two semesters of laboratory science must also be completed. (See the Science Requirement for Graduation below.)

Qualified undergraduates in their last semester may register for graduate-level psychology courses with the permission of the instructor and the graduate adviser. Most psychology majors intending to attend graduate school take more than the minimum 26 credits in psychology and design their course of study in close consultation with a faculty mentor. Students should obtain a copy of “Psychology Major Requirements and Policies” from the undergraduate advising office as soon as they declare the major for up-to-date information on department resources, activities and faculty research interests.

Beginning in the spring 1998 semester, psychology courses taken on a Credit/No Credit basis may not be applied toward the major; PSYCH 24800, PSYCH 24900, PSYCH 25000 may not be taken on a Credit/No Credit basis.

Courses Taken on Permit and Courses Transferred into Hunter

Once the psychology major is declared, students may not take any psychology course that they wish to count toward the major on permit at another college. In contrast, psychology courses that were taken before the student enrolled at Hunter and that are deemed equivalent to a Hunter College course may count toward the major. The assessment of course equivalency is made by the Office of Admissions and by the undergraduate psychology advising office.

Prerequisites

Course prerequisites are strictly enforced. Students are responsible for meeting all course prerequisites, including satisfactory completion of courses in progress at the time of enrollment. Students enrolling in courses without necessary prerequisites will be dropped from the class by the registrar. The department screens for prerequisites and students may be dropped after the course begins. (See specific prerequisites for each course in Course Listings section.)

Prerequisites for PSYCH 24800 - Statistical Methods in Psychological Research. All students must have received at least a C or CR in STAT 11300 or MATH 12500 or earned mathematics exemption and must have declared psychology as their major in the Psychology Department Advising Office at Hunter.

Prerequisites for PSYCH 24900 - Experimental Psychology: Social and PSYCH 25000 - Experimental Psychology: General. All students must be declared Psychology majors and have passed ENGL 12000 with C or higher, STAT
11300 or MATH 12500 with C or higher (or earned mathematics exemption), PSYC 24800 with C or higher, and 1 semester of laboratory science (see Science Requirement for Graduation, below).

As of fall 2011, only PSYCH 25000 will be offered

Science Requirement for Graduation

In order to graduate, psychology majors must have completed two semesters in laboratory science that were approved by the department. Students must take at least one semester of laboratory science before taking PSYCH 24900 or PSYCH 25000. Students may complete the laboratory science courses at any point in their studies, and the courses need not be taken in sequence. The science requirement may be met by any of the following courses, all of which meet the General Education Requirement Stage 2/E, Laboratory Science, requirement:

ANTHP 10100 - Human Evolution

GER 2/E
The study of human origins and adaptation, through an understanding of evolutionary mechanisms, genetics, comparative primate biology, the fossil record, and modern human variation.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

ANTHP 10200 - Human Variation

GER 2/E
Description and analysis of biological variation in living human populations. Both genetic and phenotypic variation will be examined. Lab experiments and demonstrations.
6 hrs (3 hrs lec, 3 hrs lab) 4 cr.
offered every sem.

ASTRO 10100 - Basic Concepts of Astronomy with Laboratory Exercises

GER 2/E with lab
An introductory, one-semester astronomy course designed for non-science majors. Topics include: basic observational features of the night sky, and their explanations; Kepler’s laws of planetary motion; Newton's laws of motion and gravitation. Properties of light, and how it reveals the nature of its source. Origin, properties, and evolution of our solar system. The origin and evolution of stars, including giants, dwarfs, supernovae, neutron stars, and black holes. Structure of The Milky Way and other type of galaxies. Cosmology, Hubble's Law and the expanding universe, from the Big Bang to the present; future scenarios.

The lab consists of traditional hardware experiments and virtual online experiments. Students taking this course will be required to submit online and hard-copy laboratory reports.

5 hrs 4 cr.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: MATH 10100 or equivalent
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
fall only

BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.
7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.
spring only

BIOL 12000 - Anatomy and Physiology I

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.
Not accepted for credit toward the biology major.
prereq: CHEM 10000, 10100 coreq: CHEM 12000, 12100
6 hrs (3 lec, 3 lab) 4.5 cr.
fall only

BIOL 12200 - Anatomy and Physiology II

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.
Not accepted for credit toward the biology major.
prereq: BIOL 12000 or equiv.
6 (3 hrs lec, 3 hrs lab) 4.5 cr.
spring only

BIOL 12500 - Human Biology

GER 2/E
An introductory laboratory course for non-biology majors. Explores the biology that underlies current health and disease topics (including diabetes, cancer, sexually transmitted diseases, nutrition). Using a topics approach, the course provides a survey of human anatomy and physiological function, along with the biological principles of genetics and cellular interactions that comprise our current understanding of the human organism. Laboratory exercises will introduce students to a scientific approach in studying human disease and physiology. The credits from this course will not count towards the Biology Major.
6 hrs 4.5 cr.

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.
Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
4 hrs (3 lec, 1 rec) 3 cr.
CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.
Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec) 1.5 cr.

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair
5 hrs (4 lec, 1 rec) 4 cr.

CHEM 10500 - General Chemistry Laboratory II

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.
Offered for transfer students who have completed only one semester of General Chemistry Laboratory.
prereq: One semester of General Chemistry Laboratory, prereq or coreq: CHEM 10400
4 hrs (3 lab, 1 rec) 1.5 cr.

CHEM 11100 - Chemical Principles

GER 2/E
In-depth introduction to chemical principles including measurement, stoichiometric calculations, inorganic nomenclature, gas laws, equilibrium, acids, bases and buffers. Emphasis is placed on problem-solving, oral presentations, and collaborative work. Laboratory and coursework emphasize analysis and evaluation of data.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500 or equiv, MATH 12600
10 hrs (4 hrs lec, 3 hrs lab, 1 hr rec, 2 hrs workshop) 5.5
offered fall

CHEM 11200 - Thermodynamics and Solution Chemistry

GER 2/E
The study of quantum theory, atomic structure, periodic properties of the elements, kinetics, electrochemistry, and thermodynamics.
Primarily for pre-med, medical laboratory sciences and science majors.
CHEM 12000 - Essentials of Organic Chemistry Lecture
GER 2/E
Course presents essential facts, laws and theories of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10000
4 hrs (3 lec, 1 rec)3 cr.

CHEM 12100 - Essentials of Organic Chemistry Laboratory
GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10100
prereq or coreq: CHEM 12000
4 hrs (3 lab, 1 rec)1.5 cr.

GEOL 10100 - Fundamentals of Geology
GER 2/E
Describes the earth and the forces that shape it. Topics of discussion will be the formation of the earth, plate tectonics, earth materials and geologic time. The goals of the course include introducing students to geology, "systems thinking", the methods of scientific inquiry. Lab: study of minerals, rocks, maps. Field trips may be required; transportation fee.
6 hrs (3 lec, 3 lab)4.5 cr.
Offered fall and spring.

GEOL 10200 - Plate Tectonics and the Earth's Evolution
GER 2/E
The second course in geology offered to non-geology majors. It is designed to familiarize students with the main concepts used in deciphering and interpreting earth's evolution from the spatial and temporal perspective. Topics to be covered include: geologic time; geological principles; earth materials as recorders of past geologic processes; depositional environments and sedimentary rock record; igneous and metamorphic geologic environments and their rock records; evolution of the solar system; plate tectonics and life on earth; origin of the universe; life on earth and the fossil record; Precambrian, Paleozoic, Mesozoic, and Cenozoic life, history and tectonics. Field trips may be required; transportation fee.
prereq: GEOL 10100
5 hrs (3 lec, 2 lab)4 cr.
Offered fall.

PGEOG 13000 - Weather and Climate
GER 2/E
Offers a basic understanding of how weather systems form, why certain regions have particular types of weather patterns, and what is known about climatic fluctuations across the globe. This includes an understanding of the basic physical principals that determine: how hot or cold a particular location is; how seasonal cycles vary in different parts of the world; and the types and amounts of precipitation. Students learn to analyze several types of weather maps and
acquire a basic understanding of central issues related to global climate change, one of the most significant environmental issues of our time.  

5 hrs (3 lec, 2 lab) 4 cr.

Offered in the Fall and Spring

PGEOG 23100 - Physical Geography II: Principles of Geomorphology

See GEOL 23100

PHYS 11000 - General Physics: Introductory Course in Mechanics, Heat, and Sound

GER 2/E
First semester of two-semester introductory physics course using algebra.
prereq: MATH 12500; pre-calculus or equiv. By math dept. exam.
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

PHYS 12000 - General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

GER 2/E
Second semester of PHYS 11000, a two-semester introductory physics course using algebra.
prereq: PHYS 11000 or 11100
7 hrs (3 lec, 3 lab, 1 rec) 4.5 cr.

Additional Information

For transfer students, the laboratory science requirement may be met by courses taken at previous institutions only if they have been assigned the Hunter College course numbers in the above list. Transfer students should check with the psychology adviser after their courses have been formally evaluated by Hunter College to determine whether the science requirement has been met.

Note: Students who declared a psychology major before January 1, 1998 are exempt from the science requirement within the Department of Psychology.

Minor

As of the spring of 2009, Hunter no longer requires that students have a minor. Those students wishing to do a minor should go directly to the department in which they are interested in doing a minor and declare it with that department.

Minor in Psychology

Declaring a Minor in Psychology

The minor in psychology is designed to expose students to a variety of content areas in the field of psychology and to provide the student with the ability to evaluate psychological research as a consumer.

To declare a psychology minor, the student must have completed PSYCH 10000 and any other 100-level psychology course with a minimum grade of C and a required mathematics course with a minimum grade of C or CR. The
The mathematics requirement may be satisfied by STAT 11300 or MATH 12500, or by an appropriate score on the mathematics placement test.

The minor in Psychology consists of 15 credits in Psychology as follows:

**PSYCH 10000 - Introduction to Psychology**

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

3 hrs 3 cr.

100 and any other 3cr. 100 level PSYCH course

**PSYCH 21500 - Introduction to Research Methods in Psychology (W)**

GER 3/B
Evaluation of published research; research principles and the concepts which underlie them; how o evaluate and select research strategies.

prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000

3 hrs 3 cr.

and any two 200-level PSYCH courses.

The total number of credits to fulfill all minor requirements, including credits for all prerequisites is 18. Fifteen credits in PSYCH courses and 3 credits in STAT 113 or MATH 125.

Concentration

- Psychology: Concentration in Behavioral Neuroscience

**Psychology: Concentration in Behavioral Neuroscience**

**Purpose**

The Behavioral Neuroscience Concentration within Psychology provides interdisciplinary training for students preparing for academic or professional careers in neuroscience-related areas. The concentration brings together students from Psychology and Biology in a set of core courses and offers mentored research experience in faculty laboratories, opportunities for student research presentations and talks by distinguished visiting neuroscientists. The neuroscience concentration is a particularly good option for students who plan to do graduate study in neuroscience or neurosciencerelated fields or attend medical school for neurology, neurosurgery, or psychiatry specialties. Because of the large number of required courses in the concentration, it is very important that interested students meet with the concentration adviser as early in their college career as possible-no later than the start of their Sophomore year. The concentration adviser is Prof. Philip Zeigler, ((212) 772-5363; Room 626 Hunter North).

**Admission Requirements**

Admission is by application at the end of the sophomore year. Applicants will need to have completed or be currently taking the following courses with a minimum GPA overall of 3.0 and of 3.5 in the major. Selection will be based upon
a combination of grades and an interview, and the identification of a faculty sponsor in whose laboratory the student’s research will be carried out. Application forms and names of faculty contacts may be obtained from the Psychology adviser’s office.

**BIOL 10000 - Principles of Biology I**

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

*prereq: MATH 10100 or equivalent

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

fall only

**BIOL 10200 - Principles of Biology II**

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

*prereq: BIOL 10000 or perm instr; MATH 10100 or equiv.

7 hrs (3 lec, 3 lab, 1 disc) 4.5 cr.

spring only

**CHEM 10200 - General Chemistry I**

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.

*Primarily for pre-med, medical laboratory sciences and science majors.

*prereq or coreq: MATH 12500, 12600 or equiv.

5 hrs (4 lec, 1 rec) 4 cr.

**CHEM 10400 - General Chemistry II**

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.

*Primarily for premed, medical laboratory sciences and science majors.

*prereq: CHEM 10200 or CHEM 10000 with perm chair

5 hrs (4 lec, 1 rec) 4 cr.

**PSYCH 10000 - Introduction to Psychology**

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

3 hrs 3 cr.

**PSYCH 18000 - Brain and Behavior**
GER 2/B
Brain structure, function and relation to behavior. Topics include the neural basis of perception, learning and memory, consciousness, motivation, emotion.

prereq: PSYC 10000

3 hrs 3 cr.

PSYCH 24800 - Statistical Methods in Psychological Research

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYC 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: PSYC 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or or appropriate score on math placement exam

coreq: Writing Intensiveprereq or coreq: ENGL 12000

4 hrs 4 cr.

Course Requirements for the Undergraduate Concentration in Behavioral Neuroscience

In addition to completion of the psychology major and the introductory sequences in chemistry and biology, students in the concentration will take the introductory course in calculus, additional courses in biology and chemistry and an interdisciplinary Behavioral Neuroscience Seminar. A year of laboratory research is required and an undergraduate thesis based on this research will be eligible for consideration for Departmental Honors. Completion of the concentration meets the requirements for the minor in Biology. For continuation in the concentration, students must maintain the GPA required for entry.

Required Courses/Credits

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

3 hrs 3 cr.

BIOL 10000 - Principles of Biology I

GER 2/E PD/C or D
The chemical basis of life; basic structure and function of pro- and eucaryotic cells; bioenergetics; Mendelian and molecular genetics; development and mechanisms of control of gene expression at all levels; population genetics and evolution.

$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.

prereq: MATH 10100 or equivalent
BIOL 10200 - Principles of Biology II

GER 2/E PD/C or D
Taxonomy; homeostasis; internal transport and gas exchange in plants and animals; plant hormones; osmoregulation; mechanisms of action in the muscular, nervous and neuroendocrine systems; the senses, behavior; ecology.
$5 materials fee required. PD credit awarded only upon completion of BIOL 10000 and 10200.
prereq: BIOL 10000 or perm instr, MATH 10100 or equiv.

CHEM 10200 - General Chemistry I

GER 2/E
In-depth introduction to stoichiometric calculations, atomic and molecular structure and chemical bonding.
Primarily for pre-med, medical laboratory sciences and science majors.
prereq or coreq: MATH 12500, 12600 or equiv.

CHEM 10400 - General Chemistry II

GER 2/E
In-depth introduction to thermodynamics, redox reactions, electrochemistry and chemical equilibrium.
Primarily for premed, medical laboratory sciences and science majors.
prereq: CHEM 10200 or CHEM 10000 with perm chair

CHEM 10500 - General Chemistry Laboratory II

GER 2/E
Laboratory experiments illustrating and applying theory of solutions to qualitative analysis.
Offered for transfer students who have completed only one semester of General Chemistry Laboratory.
prereq: One semester of General Chemistry Laboratory, prereq or coreq: CHEM 10400

MATH 15000 - Calculus with Analytic Geometry I

GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.

PSYCH 18000 - Brain and Behavior

GER 2/B
Brain structure, function and relation to behavior. Topics include the neural basis of perception, learning and memory, consciousness, motivation, emotion.
prereq: PSYC 10000

CHEM 22200 - Organic Chemistry Lecture I

GER 3/B
Structure, bonding, and reactions of organic molecules. Synthesis, stereochemistry, spectroscopy, reaction mechanisms. 
prereq: prereq for CHEM 22200: CHEM 10400
5-6 hrs (4 lec, 1-2 recitation/workshop)4 cr.

PSYCH 24800 - Statistical Methods in Psychological Research

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or or appropriate score on math placement exam
coreq: Writing Intensive prereq or coreq: ENGL 12000
4 hrs4 cr.

PSYCH 25000 - Experimental Psychology: General

GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade;
PSYCH 24800 with a minimum grade of Cprereq or coreq: Writing Intensive
6 hrs (2 lec, 4 lab)4 cr.

BIOL 30200 - Molecular Genetics

GER 3/B
A comparison of viral, procaryotic and eukaryotic systems; review of classical Mendelian principles; bacterial DNA replication, transcription and their control; mechanisms of gene mutation, repair, recombination and transposition; applications of recombinant DNA technology; organization of nucleic acid into chromosomes; control of gene expression, the cell cycle and cell development in eucaryotes.
$10 materials fee required.
prereq: BIOL 30000
7 hrs (3 lec, 3 lab, 1 disc)4.5 cr.
spring only

PSYCH 39600 - Honors in Psychology
Independent, sponsored, empirical research and seminar. Students are expected to attend the regularly scheduled seminar. An APA-style research report or its equivalent (to be filed in the department) is a requirement of this course. To graduate with departmental honors, the student must receive a grade of A in PSYCH 39000. Honors in Psychology is typically a one-semester course; however, when a PSYCH 39600 research project extends beyond a single semester, the student may (with permission) register for a second semester as PSYCH 39800. If taken, the student must receive a grade of A in both PSYCH 39600 and 39800 to graduate with departmental honors.

prereq: ENGL 12000. PSYCH 24900 or 25000; 3.5 major GPA; 3.00 cumulative GPA; perm instr.
3 hrs3 cr.

PSYCH 39800 - Honors in Psychology

Independent sponsored research and seminar. Attendance at regularly scheduled seminar and research report required. If taken, the student must receive a grade of A in both PSYCH 39600 and 39800 to graduate with departmental honors.

prereq: PSYCH 39600, perm instr.
3 hrs3 cr.

BIOL 47100 - Special Topics in Biology

GER 3/B
Specific area of contemporary interest in biology. Topics change from term to term. An oral presentation and a written paper are required.
prereq: BIOL 300
3 hrs (lec)3 cr. per sem.

Electives

(9 credits, at least 3 of which must be Biology)

PSYCH 30000 - Physiological Psychology (B)

GER 3/B
Neural and endocrine mechanisms involved in learning, emotion, perception and other psychological processes. PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs3 cr.

PSYCH 30100 - Sensation and Perception (B; C)

GER 3/B
Open to declared majors only. Methods, theories and empirical data relating to stimulus detection, encoding and perception as a function of variables including current stimuli and past history.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)
prereq: ENGL 12000. PSYCH 24900 or 25000
PSYCH 30900 - Sex and Behavior (B; D/S)

GER 3/B PD/C
Research and attitudes about sex-related behavior in human and nonhuman animals emphasizing evolutionary and neuroendocrinological processes and social-psychological processes; male-female differences and similarities, therapeutic strategy in sex-behavior pathology and sexual behavior and the law.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 32700 - Motivation (B; C)

GER 3/B
The problem of how behavior is initiated, maintained, directed and terminated. Human and non-human research evaluated.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 36900 - Drugs and Behavior (B)

GER 3/B
Neurochemical substrate of brain functioning; historical context and social ramifications of drug use.

prereq: ENGL 12000. PSYCH 24900 or 25000. PSYCH 30000 or perm instr.
3 hrs 3 cr.

BIOL 37000 - Physiology of the Nervous System

GER 3/B
A comprehensive introduction to neuroscience. Topics include how nerve cells (neurons) transmit electrical impulses, how neurons communicate with each other through synapses and how nerve pathways and networks determine many functions of the brain. The last portion of the course shall explore how developing neurons seek out targets and establish synapses.

prereq: BIOL 30000 or perm instr.
4 hrs (lec) 4 cr.

BIOL 37600 - Endocrinology
GER 3/B
Cellular organization of the endocrine system; molecular mechanisms of hormone action; hormonal physiology of metabolism and reproduction; integration of endocrine responses by the central nervous system.
prereq: BIOL 20200 or perm instr.
3 hrs (lec)3 cr.
spring only

BIOL 38000 - Molecular Neurobiology

GER 3/B
Molecular components and molecular mechanisms involved in the cell biology of neurons and glia, neuronal signaling, neuronal development, learning, memory and diseases of the nervous system.
prereq: BIOL 30000 or perm instr.
3 lec hrs3 cr.
fall alternate years

Additional Information
For questions or further information see the concentration adviser: Prof. P. Zeigler, tel: (212) 772-5363, hzeigler@hunter.cuny.edu

Psychology

Note: Letters in parentheses after course names refer to content areas: (A) = Applications of Psychology; (B) = Biopsychology; (C) = Cognitive Processes; (D/S) = Developmental/Social.

PSYCH 10000 - Introduction to Psychology

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.
3 hrs3 cr.

PSYCH 14000 - Psychology of Adjustment

GER 2/B
Styles of adjustment; social interaction; self-concept and self-esteem: stress management; alienation; failures of adjustment.
prereq: PSYC 10000
3 hrs3 cr.

PSYCH 15000 - Human Development

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.
prereq: PSYC 10000
3 hrs3 cr.
PSYCH 16000 - Evolution and Behavior

GER 2/B
Aggression, sleep, learning, communication, emotion, motivation and social behavior in human and other species; underlying mechanisms, development, evolutionary history.
prereq: PSYC 10000
3 hrs3 cr.

PSYCH 17000 - Psychology of Human Sexuality

GER 2/B PD/C
Psychological foundations, sexual development and response patterns; male and female roles; individual and social attitudes, legal issues.
cross-listed WGS 17000
prereq: PSYCH 10000
3 hrs3 cr.

PSYCH 18000 - Brain and Behavior

GER 2/B
Brain structure, function and relation to behavior. Topics include the neural basis of perception, learning and memory, consciousness, motivation, emotion.
prereq: PSYC 10000
3 hrs3 cr.

PSYCH 19000 - Development of Gender Roles

GER 2/B PD/C
Social, cognitive, hormonal and personality factors in development of gender roles; determinants of behavioral and cognitive gender differences.
cross-listed WGS 19000
prereq: PSYCH 10000
3 hrs3 cr.

PSYCH 19500 - Special Topics in Psychology I

GER 2/B
Readings and discussions on a selected problem or topic area. Topics vary from semester to semester.
prereq: PSYC 10000
3 hrs3 cr.

PSYCH 20100 - Independent Study in Psychology

May be applied to major once. Designed to meet the needs of individual students under the direction of a particular faculty sponsor. The course may involve independent readings, tutorials, work as an advising assistant or peer counselor, field placement, an individual research project, or participation in ongoing faculty research, any of these culminating in a written report.
prereq: PSYCH 10000 and any other 3 cr PSYCH course, perm dept.
prereq or coreq: ENGL 12000
3 hrs3 cr.
PSYCH 20500 - The Profession of Psychology (W)

GER 3/B
Open to declared majors only. Introduction to and critical analysis of the profession of psychology; examination of theories and career options in major subfields of psychology. Students must have Internet access.
prereq: PSYCH 10000 and any other 3 cr PSYCH course, perm dept.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 21000 - Child Psychology (D/S)

GER 3/B
Emotional, social, motor and cognitive development as influenced by genetic, cultural and individual factors during the first twelve years of life. (May not be taken for credit by students who have a collateral major, or a minor, in education.)
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 21200 - Psychology of Exceptional Children (D/S)

GER 3/B
Special problems of adjustment and training of exceptional children, including the gifted as well as the intellectually, emotionally and physically handicapped.
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 21500 - Introduction to Research Methods in Psychology (W)

GER 3/B
Evaluation of published research; research principles and the concepts which underlie them; how to evaluate and select research strategies.
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 22000 - Personality (D/S)

GER 3/B
Review of the contributions to the understanding of normal personality in the theories of the Freudian and other analytical schools; of Allport, of representative behaviorist groups and of constitutional typologists; also, methods of assessing and understanding individual personality.
writing intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

PSYCH 22100 - Psychoanalytic Theories (A; D/S)
GER 3/B
Historical, theoretical and empirical approaches from Freud to the present; empirical evaluation and integration of these theories with learning and ethological theory.
writing intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs3 cr.

PSYCH 22300 - Abnormal Psychology (A; D/S)

GER 3/B
Consideration of psychological abnormalities; symptoms, etiology, diagnostic procedures and therapy.
writing intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs3 cr.

PSYCH 22500 - Ethology: Animal Behavior (B)

GER 3/B
Adaptation, survival, reproduction and evolution of behavior, emphasizing development and species-comparison.
writing intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs3 cr.

PSYCH 23000 - Social Psychology (D/S)

GER 3/B
Problems of human experience and behavior in the social context; theories and current methodology in research on the influence of the group on cognitive processes, motivation, personality structure and the self; attitudes and prejudice; leadership; group processes.
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs3 cr.

PSYCH 23500 - The Psychology of Women (D/S)

GER 3/B PD/C
Psychological functioning of women; sexuality, pregnancy, social roles and status, aging, achievement, life styles, power.
Writing Intensivecross-listed WGS 23500 (W)
prereq: PSYCH 10000 and any other 3 cr PSYCH courseprereq or coreq: ENGL 12000
3 hrs3 cr.

PSYCH 24000 - Applications of Psychology (A)

GER 3/B
Psychological issues in business, law and medicine; consumer research, personnel selection and training, motivation and morale in industry, safety programs, testimony, lie detection and psychological issues in coping with physical
illness. 
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH courseprereq or coreq: ENGL 12000
3 hrs3 cr.

PSYCH 24200 - Health Psychology (A)

GER 3/B
Psychological and behavioral factors related to physical illness and health promotion, including such areas as aging, stress and coping, pain, addiction and eating disorders. 
Writing Intensive
prereq: PSYCH 10000 and any other 3 cr PSYCH courseprereq or coreq: ENGL 12000
3 hrs3 cr.

PSYCH 24500 - History of Psychology (W)

GER 3/B
Introspective, behavioristic, gestalt, psychoanalytic and related viewpoints developed from early philosophic roots of psychology.
prereq: PSYCH 10000 and any other 3 cr PSYCH courseprereq or coreq: ENGL 12000
3 hrs3 cr.

PSYCH 24800 - Statistical Methods in Psychological Research

GER 3/B
Open to declared majors only. Analysis and interpretation of quantified data. Descriptive and inferential statistics applied to psychological research.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: PSYCH 10000 and any other 3 cr PSYCH course, MATH 12500 or STAT 11300 with a C or an appropriate score on math placement exam
coreq: Writing Intensiveprereq or coreq: ENGL 12000
4 hrs4 cr.

PSYCH 24900 - Experimental Psychology: Social

GER 3/B
Introduction to the principles of research methodology and experimental techniques. Required research reports involve laboratory and field exercises concerned with a variety of social psychological phenomena. (Students may take either PSYC 249 or 250, but not both.)

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade; PSYC 24800 with a minimum grade of C
prereq or coreq: Writing Intensive
6 hrs (2 lec, 4 lab)4 cr.
PSYCH 25000 - Experimental Psychology: General

GER 3/B
Open to declared majors only. Research and general experimental techniques in study of behavior. Introduction to the principles of research methodology and experimental techniques. Required research reports involve a variety of laboratory exercises related to the study of basic behavioral processes. (Students may take either PSYC 24900 or 25000, but not both.)

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000 with a minimum grade of C; one sem. acceptable lab science sequence with a passing grade; 
PSYCH 24800 with a minimum grade of C

prereq or coreq: Writing Intensive
6 hrs (2 lec, 4 lab)/4 cr.

PSYCH 27000 - Cognitive Processes (C)

GER 3/B
How input is encoded, transformed, elaborated, stored and retrieved in the human information processing system and how these operations provide the basis for more complex forms of human behavior; analyses of theoretical issues and research pertaining to memory, problem solving, language, attention and perception.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000, PSYC 24900 or 25000
3 hrs 3 cr.

PSYCH 29500 - Special Topics in Psychology II

GER 3/B
Readings and discussion on a selected problem or topic area. Topics will vary from semester to semester.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000, PSYC 24900 or 25000 or perm instr.
3 hrs 3 cr.

PSYCH 30000 - Physiological Psychology (B)

GER 3/B
Neural and endocrine mechanisms involved in learning, emotion, perception and other psychological processes.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000, PSYC 24900 or 25000
3 hrs 3 cr.

PSYCH 30100 - Sensation and Perception (B; C)
GER 3/B
Open to declared majors only. Methods, theories and empirical data relating to stimulus detection, encoding and perception as a function of variables including current stimuli and past history.

*PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

prereq: ENGL 12000. PSYCH 24900 or 25000

3 hrs3 cr.

**PSYCH 30600 - Seminar in Psychological Services I (A)**

Open to declared majors only. An integration of personality and abnormal psychology, the helping process and the role of the helper. Seminar and one day per week placement in mental health/community service setting.

*PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

prereq: ENGL 12000. PSYCH 2200 or 32300, PSYCH 24900 or 25000, perm instr.

8 hrs4 cr.

**PSYCH 30700 - Seminar in Psychological Services II (A)**

Integration of personality and abnormal psychology. Seminar and one day per week placement in mental health/community service setting.

*PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

prereq: ENGL 12000, PSYCH 30600, perm instr.

3 hrs3 cr.

**PSYCH 30900 - Sex and Behavior (B; D/S)**

GER 3/B PD/C
Research and attitudes about sex-related behavior in human and nonhuman animals emphasizing evolutionary and neuroendoiniological processes and social-psychological processes; male-female differences and similarities, therapeutic strategy in sex-behavior pathology and sexual behavior and the law.

*PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)*

prereq: ENGL 12000. PSYCH 24900 or 25000

3 hrs3 cr.

**PSYCH 31000 - Research Methods and Special Problems in Developmental Psychology (C; D/S)**
PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 15000 or 21000, PSYCH 24900 or 25000. perm instr.

3 hrs 3 cr.

PSYCH 31500 - Psychological Study of Adult Development (D/S)

GER 3/B
Open to declared majors only. Theories and research concerning the personal and social development of men and women in adulthood; ongoing changes with age related to physical growth and decline, including marital, parental and interpersonal relationships, occupational roles, leisure activities, disability and approaching death.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 15000 or 21000, PSYCH 24900 or 25000

3 hrs 3 cr.

PSYCH 32200 - Problems in Psycholinguistics (C)

GER 3/B
Psychological and psychophysical basis of language comprehension, production and acquisition from experimental and theoretical perspectives; the relationship between language and the cognitive processes of perception, memory and representation.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000, PSYCH 27000 or perm instr.

3 hrs 3 cr.

PSYCH 32300 - Child Psychopathology (A; D/S)

GER 3/B
Survey and evaluation of empirical and theoretical approaches to the major psychological abnormalities that arise in childhood and adolescence; their characteristics, causes and treatments.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 21200 or 22300, PSYCH 24900 or 25000
PSYCH 32700 - Motivation (B; C)

GER 3/B
The problem of how behavior is initiated, maintained, directed and terminated. Human and non-human research evaluated.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 32800 - States of Consciousness (A/C)

GER 3/B
The subjective and physiological aspects of consciousness; the means by which it may be altered: hypnosis, dreams, drugs, meditation and mysticism; psychosis.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 34000 - Industrial and Organizational Psychology (A)

GER 3/B
A review of research and theories on the effects of leadership, human relations, motivation and organizational structures on behavior in business and industrial settings; applications of personnel psychology, motivational psychology and human factors engineering in the work place; job analysis, employee selection, leadership, performance appraisal, power and authority, work motivation and organizational communication.

PSYCH 24800 and 24900 or 25000, one semester of an acceptable science sequence, ENGL 12000 and declaration of a psychology major are the minimum prerequisite for all courses above PSYCH 25000. (Students falling under the previous curriculum need not fulfill the science prerequisite.)

prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs 3 cr.

PSYCH 34800 - Statistics Practicum in Psychology

GER 3/B
Apply and extend statistical knowledge and data analytic skills by tutoring students in PSYCH 24800 and serving as a teaching assistant for the course. Weekly seminar meetings provide training and support. Students prepare and give statistical presentations, write homework problems, help in computer labs, and evaluate homework problems or lab assignments.
prereq: PSYCH 24800 with a minimum grade of A-, perm instr.
3 hrs3 cr.

PSYCH 35000 - Learning Theory (C)

GER 3/B
Theoretical and experimental approaches to human and animal learning; the relationship between systematic theory models and methodology; analysis of the historical and contemporary major contributions to learning theories.
prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs3 cr.

PSYCH 36100 - Psychological Tests (A)

GER 3/B
Introduction to the principles of psychological assessment; major methods of measuring general ability, aptitude, achievement, interest, personality. Appraisal of psychological tests.
prereq: ENGL 12000. PSYCH 24900 or 25000
3 hrs3 cr.

PSYCH 36900 - Drugs and Behavior (B)

GER 3/B
Neurochemical substrate of brain functioning; historical context and social ramifications of drug use.
prereq: ENGL 12000. PSYCH 24900 or 25000, PSYCH 30000 or perm instr.
3 hrs3 cr.

PSYCH 37000 - Psychology of Cognitive Development (C; D/S)

GER 3/B
A comparative information processing perspective on the development of mental structure and functioning, including perception, memory, problem solving, self-awareness of thinking, intelligence, concept formation and language development.
prereq: ENGL 12000. PSYCH 24900 or 25000, PSYCH 27000 or perm instr.
3 hrs3 cr.

PSYCH 38000 - Microcomputers in Psychological Research

GER 3/B
An introduction to the fundamentals of microcomputer programming and digital electronics, including the structure of a computer language (BASIC), digital logic, interfacing and computer memory. Students learn to program psychological experiments, collect data, perform statistical analyses and control peripheral devices by microcomputer. Designed for advanced undergraduates.
prereq: ENGL 12000. PSYCH 24900 or 25000, perm instr.
3 hrs3 cr.

PSYCH 39000 - Special Topics in Psychology III
GER 3/B
Readings and discussion on a selected problem or topic area. Topics vary from semester to semester.
\textit{prereq: ENGL 12000, PSYCH 24900 or 25000, perm instr.}
3 hrs3 cr.

**PSYCH 39500 - Independent Research in Psychology**

May be applied to the major once. Designed to meet the needs and interests of individual students under the direction of a particular instructor at a more advanced level than PSYCH 20100. Such study may involve independent reading, tutorials, independent research projects, or participation in ongoing faculty research, any of these culminating in an APA-style research report or literature review. Field Placements (internships) cannot be granted credit as PSYC 39500; however, supervised field Placement taken in conjunction with PSYCH 36100 - Psychological Tests (A) will be granted credit as PSYC 395.

\textit{prereq: ENGL 12000. PSYCH 24900 or 25000, perm instr.}
3 hrs3 cr.

**PSYCH 39600 - Honors in Psychology**

Independent, sponsored, empirical research and seminar. Students are expected to attend the regularly scheduled seminar. An APA-style research report or its equivalent (to be filed in the department) is a requirement of this course. To graduate with departmental honors, the student must receive a grade of A in PSYCH 39000. Honors in Psychology is typically a one-semester course; however, when a PSYCH 39600 research project extends beyond a single semester, the student may (with permission) register for a second semester as PSYCH 39800. If taken, the student must receive a grade of A in both PSYCH 39600 and 39800 to graduate with departmental honors.

\textit{prereq: ENGL 12000. PSYCH 24900 or 25000; 3.5 major GPA; 3.00 cumulative GPA; perm instr.}
3 hrs3 cr.

**PSYCH 39800 - Honors in Psychology**

Independent sponsored research and seminar. Attendance at regularly scheduled seminar and research report required. If taken, the student must receive a grade of A in both PSYCH 39600 and 39800 to graduate with departmental honors.

\textit{prereq: PSYCH 39600, perm instr.}
3 hrs3 cr.

**PSYCH 40000 - Special Topics in Psychology IV**

GER 3/B
Readings and discussion on a selected problem or topic area. Topics vary from semester to semester.
\textit{prereq: ENGL 12000. PSYCH 24900 or 25000, perm instr.}
3 hrs3 cr.

**Programs and Courses in Romance Languages**

**Romance Languages**

**About the Department**
The Department of Romance Languages at Hunter College offers language, culture and literature courses in French, Italian, Spanish, as well as literature and culture courses in English. Our degrees include the undergraduate major and master's degrees in French, Italian and Spanish. We also offer a Romance Languages major that combines knowledge and understanding of two Romance literatures and cultures. Besides these offerings, the department has recently added a major concentration in Spanish-English/English-Spanish Translation and Interpretation, an expansion of its vision of providing professional training within the context of traditional liberal arts.

In addition, the department is committed to equipping students for professional life: it has continued Hunter’s tradition in teacher preparation, and, in conjunction with the School of Education it sponsors TOP (Teacher Opportunity Program), a selective scholarship-cum-practicum program leading to an MA in Spanish/Education.

Most students majoring in one or two Romance languages pursue careers in education. Others enter careers in the fields of commerce, tourism, interpretation and translation and international affairs, among others.

**Foreign Language Requirement**

The college foreign language requirement may be fulfilled by completion of French, Italian or Spanish 202, 203 or 208 or by demonstrating equivalent proficiency through a departmental examination. Students with prior knowledge of one of the languages should take a placement examination before registering for courses. Students who have a high school diploma in a language other than English or who have studied a foreign language in high school for four years have fulfilled the language requirement. Students should consult a departmental adviser to resolve all matters regarding placement, registration and course offerings.

1. Students pursuing a new language will fulfill the language requirement in four college semesters by completing one of the following sequences:
   a. French: FREN 10100-FREN 10200 or FREN 10300 and FREN 20100-FREN 20200, or FREN 20300;
   b. Italian: ITAL 10100-ITAL 10200, or ITAL 10300 and ITAL 20100-ITAL 20200, or ITAL 20300;
   c. Spanish: SPAN 10100-SPAN 10200, or SPAN 10300, or SPAN 10500-SPAN 10600 and SPAN 20100-SPAN 20200, or SPAN 20300, or SPAN 20700 and SPAN 20800.

2. Students continuing a language studied for one year in high school need three additional college semesters:
   a. French: FREN 10200, FREN 20100 and FREN 20200 or FREN 10200 and FREN 20300;
   b. Italian: ITAL 10200, ITAL 20100 and ITAL 20200; ITAL 10200 and ITAL 20300;
   c. Spanish: SPAN 10200, SPAN 20100 and SPAN 20200; SPAN 10200 and SPAN 20300; SPAN 10600, SPAN 20700 and SPAN 20800.

3. Students continuing a language studied for two years in high school need two additional college semesters:
   a. French: FREN 20100 and FREN 20200 or FREN 20300;
   b. Italian: ITAL 20100 and ITAL 20200 or ITAL 20300;
   c. Spanish: SPAN 20100 and SPAN 20200 or SPAN 20300 or SPAN 20700 and SPAN 20800.

4. Students continuing a language studied for three years in high school need one additional college semester:
a. French: FREN 20200 or FREN 20800;
b. Italian: ITAL 20200;
c. Spanish: SPAN 20200 or SPAN 20800

Programs and Courses

Programs and Courses in Romance Languages

Administration and Faculty

Department Office:
1341 West
(212) 772-5093/5108
Web site: http://www.hunter.cuny.edu/~romlang/

Chair:
Giuseppe Di Scipio
1309 West
(212) 772-5109
gdiscipi@hunter.cuny.edu

Faculty

Romance Languages Faculty

HEGIS Code: 1102 (French); 1104 (Italian); 1105 (Spanish); 1101 (Romance Languages)

Undergraduate Major

French - BA

Honors

Students qualified to graduate with departmental honors must take an honors course or equivalent approved by the departmental advisers. Departmental honors will be conferred upon a recommendation from the appropriate departmental committee. Candidates must present a paper of at least 7,000 typewritten words in the language of specialization. Consult the department for further information.

Graduate Study
Qualified seniors with a minimum GPA of 3.5 in their discipline may be admitted to graduate level courses. Permission must be secured from the chair and then forwarded to the dean. Consult the graduate catalog for requirements and regulations.

Major

The French major provides two concentrations:

a. French Literature (30 cr)
b. French Language and Civilization (30 cr)

Preparation for Teaching French, Spanish or Italian Adolescent Education (grades 7-12)

Students pursuing adolescent education must complete the 30 or 36 credit major in one of these languages and, in addition, complete the course in second language acquisition (3 cr). The 23-credit pedagogical sequence in adolescent education will serve as the minor. See the School of Education section of the catalog for further information.

Study Abroad

All study abroad programs are open to students from Hunter College and other accredited institutions. Majors and minors in the Department of Romance Languages are strongly encouraged to participate in study abroad programs (see adviser for GPA requirements).

Qualified students can apply for financial aid and STOCS grants.

The New York/Paris Exchange Program is open to students who wish to study a semester or a year at a French university in Paris. For the requirements and more details, contact Professor J. Przybos at (212) 772-5097. French in France is offered during June, July and August at Pau and Bayonne.

Minor in French (15 credits)

a. French Literature and Culture

This course of study provides the opportunity to deepen the knowledge of French language beyond the basic language sequence and to introduce students to French Culture trans-historically, in ways that could usefully complement a major in another field in the humanities, where a broad knowledge of French history or culture could be useful (for instance in the Arts).

The prerequisite for this minor consists either of

FREN 20200 - Intermediate French II

Language lab mandatory.

*There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.*
prereq: FREN 2000 or three yrs high school French
3 hrs3 cr.

-or-

FREN 20300 - Intensive Intermediate French

Equivalent to material covered in 20100 and 20200. Language lab mandatory.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.

prereq: FREN 10200 or two yrs high school French
6 hrs6 cr.

For the minor, 3 language courses to be chosen from

FREN 21100 - Intermediate Grammar and Composition

Continued study of grammar and syntax, with focus on reading and writing. Intended for French majors and minors.

prereq: FREN 20200 or equiv.
3 hrs3 cr.

FREN 22000 - Advanced French Conversation

prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

FREN 31100 - Advanced French Grammar

prereq: FREN 20200
3 hrs3 cr.

FREN 31200 - French Oral and Written Expression

prereq: FREN 20200 or equiv.
3 hrs3 cr.

and 2 Culture and Civilization courses to be chosen from

FREN 33500 - French Culture I

PD/D
Main intellectual and artistic currents from the Gauls to the French Revolution. Conducted in French.

prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.

FREN 33600 - French Culture II
Main intellectual and artistic currents from the French Revolution to 1958. Conducted in French.

**FREN 33700 - Contemporary French Culture**

Contemporary French civilization and culture from 1958 to the present, as seen in its press. World events observed through the lens of French culture and politics. Comparison of current events coverage by French and U.S. Press.

*prereq: FREN 31100 or 31200 or perm instr.*

3 hrs 3 cr.

**b. French Literature**

This course of study provides the opportunity to deepen the knowledge of French language beyond the basic language sequence through the analysis of French Literature. Among undergraduates potentially interested in this track are our native-speakers, or students with a francophone background, whose majors are in another, non-related, discipline.

The prerequisite for this minor consists of

**FREN 21100 - Intermediate Grammar and Composition**

Continued study of grammar and syntax, with focus on reading and writing. Intended for French majors and minors.

*prereq: FREN 20200 or equiv.*

3 hrs 3 cr.

For the minor, students must first complete

**FREN 34100 - Survey of French Literature from the Middle Ages to the End of the 17th Century**

**GER 3/A PD/D**

*prereq: FREN 20200 or four yrs high school French*

3 hrs 3 cr.

**FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period**

**GER 3/A PD/D**

*prereq: FREN 20200 or four yrs high school French*

3 hrs 3 cr.

and then choose 3 courses from the following:

**FREN 34300 - Medieval and Renaissance French Literature**
From medieval epics, lyrical poetry and mystery plays to writers such as See, Du Bellay, Ronsard, Rabelais and Montaigne.

*FREN 34100 and 34200 are prerequisite to all courses numbered 34300 and above.*

3 hrs 3 cr.

**FREN 34400 - 17th Century French Literature**

GER 3/A PD/D

Such authors as Boileau, Bossuet, Corneille, Cyrano de Bergerac, La Bruye, Mme de Lafayette, La Fontaine, Malherbe, Moliere, Pascal, Racine, Mme de Sign Saint Simon.

*prereq: FREN 34100 and 34200*

3 hrs 3 cr.

**FREN 34600 - 18th Century French Literature**

GER 3/A PD/D

Such authors as Beaumarchais, Buffon, Chniers, the Encyclopedists, Diderot, Laclot, Marivaux, Montesquieu, Provost, Rousseau, Sade, Voltaire.

*prereq: FREN 34100 and 34200*

3 hrs 3 cr.

**FREN 34800 - 19th Century French Literature (1800-1850)**

GER 3/A PD/D

Such authors as Balzac, Chateaubriand, Constant, Gautier, Hugo, Lamartine, Musset, Sand, Mme de Sta, Stendhal, Vigny.

*FREN 34100 and 34200*

3 hrs 3 cr.

**FREN 34900 - 19th Century French Literature (1850-1900)**

GER 3/A PD/D

Such authors as Barbey durevilly, Barr's, Baudelaire, Daudet, Flaubert, France, Huysmans, Leconte de Lisle, Mallarm, Maupassant, Renan, Rimbaud, Sainte-Beuve, Taine, Verlaine, Villiers de lisle-Adam, Zola.

*prereq: FREN 34100 and 34200*

3 hrs 3 cr.

**FREN 35000 - 20th Century French Literature (1900-1950)**

GER 3/A PD/D

Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, Pguy, Proust, Sartre.

*prereq: FREN 34100 and 34200*

3 hrs 3 cr.

**FREN 35100 - Contemporary French Literature (1950-present)**

GER 3/A PD/D

Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Kolt's, NDiaye, Perec, Redonnet, Robbe-Grillet,
Sarraute.

prereq: FREN 34100 and 34200
3 hrs3 cr.

**FREN 36000 - French Literature: Special Topics**

GER 3/A PD/D

prereq: FREN 34100 and 34200
3 hrs3 cr.

**FREN 36100 - Middle Ages and the Renaissance: Special Topics**

GER 3/A PD/D

prereq: FREN 34100 and 34200
3 hrs3 cr.

**FREN 36200 - The 17th Century: Special Topics**

GER 3/A PD/D

3 hrs3 cr.

**FREN 36300 - The 18th Century: Special Topics**

GER 3/A PD/D

prereq: FREN 34100 and 34200
3 hrs3 cr.

**FREN 36400 - The 19th Century: Special Topics**

GER 3/A PD/D

prereq: FREN 34100 and 34200
3 hrs3 cr.

**FREN 36500 - The 20th Century: Special Topics**

GER 3/A PD/D

Topics to be offered may include single authors, themes, genres, movements, or approaches.

prereq: FREN 34100 and 34200
3 hrs3 cr.

**c.. World Literature in French**

This course of study provides the opportunity to deepen the knowledge of French language beyond the basic language sequence through the analysis of World Literature in French. With the growth of “global studies,” a good knowledge of francophone culture helps prepare our students access to an expanded world of cultural, commercial, political exchanges (28 countries have French as an official language.)

The prerequisite for this minor consists of
FREN 21100 - Intermediate Grammar and Composition

Continued study of grammar and syntax, with focus on reading and writing. Intended for French majors and minors.

prereq: FREN 20200 or equiv.
3 hrs 3 cr.

For the minor, students must first complete

FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

and then take

FREN 35300 - Survey of Francophone Literature

GER 3/A
A study of literature produced in French-speaking regions and nations (other than France) such as North and West Africa, the Caribbean, Vietnam and Quebec.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 35000 - 20th Century French Literature (1900-1950)

GER 3/A PD/D
Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, Puy, Proust, Sartre.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

or

FREN 35100 - Contemporary French Literature (1950-present)

GER 3/A PD/D
Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Kolt's, Ndanye, Père, Redonnet, Robbe-Grillet, Sarraute.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36000 - French Literature: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36500 - The 20th Century: Special Topics
GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

c. French Culture and Literature in Translation

This course of study provides the opportunity to students with no knowledge of the French language to be introduced to French Culture & Literature. This minor offers an interesting complement or context to studies in other fields (such as history, philosophy, political theory or women’s studies) that have benefited, historically, from French influences.

The courses in this minor are to be chosen from a selection of 200-level courses, taught in English, such as

**FREN 24100 - Early French Civilization: From Gothic to Revolution**

GER 2/C PD/D
Conducted in English; readings in English.
3 hrs 3 cr.

**FREN 24200 - Modern French Civilization: From Revolution to Present**

GER 2/C PD/D
Conducted in English; readings in English.
There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
3 hrs 3 cr.

**FREN 25100 - French Literature and the Arts**

PD/D
Conducted in English; readings in English and French. Particular attention to theme, image and structure as they may be compared in literary and artistic works.
3 hrs 3 cr.

**FREN 25200 - From Symbolism to Surrealism in French Literature**

GER 3/A
Conducted in English; readings in English. Impressionist, symbolist, cubist, Dada and surrealist movements in literature and art from the late 19th to 20th century.
3 hrs 3 cr.

**FREN 25300 - Modern French Theatre: Theory and Practice**

GER 3/A PD/D
4 hrs 3 cr.
FREN 25400 - Film and the French Novel

GER 3/A PD/D
Conducted in English. Truffaut, Godard, Resnais, Robbe-Grillet and others.
3 hrs3 cr.

FREN 25500 - New Approaches to Modern French Literature

GER 3/A
Conducted in English; readings in French and English. Investigation of various currents of 20th century literary and aesthetic criticism as practiced in France.
3 hrs3 cr.

FREN 25600 - Dream and Image (W)

GER 3/A
Conducted in English. Analysis of literary representations of dreams. Exploration of the relationship between word and image in French Literature. Such authors as Flaubert, Maupassant, Nerval and Proust.
3 hrs3 cr.

FREN 25700 - Literary Cross-Currents

Conducted in English. Topics: Interaction of French and Russian literature, of French and American literature; the myth of Germany in French literature; Shakespeare in France; Dante and French literature.
prereq: reading knowledge of French
3 hrs3 cr.

FREN 25800 - French Poetry in Translation

Conducted in English. Study of major themes, theories and texts from 16th century to contemporary period.
3 hrs3 cr.

FREN 25900 - French Theatre in Translation

PD/D
Conducted in English; readings in English. Development of French theatre from 17th to 20th century. Great plays that have become known in English translation.
3 hrs3 cr.

FREN 26000 - French Novel in Translation (1600-1900)

PD/D
Readings in English; conducted in English. Development and evolution of French novel; its relationship to other literary genres.
3 hrs3 cr.

FREN 26100 - Modern French Novel in Translation (1900-Present)
PD/D
Conducted in English; readings in English. From Gide and Proust to present.
3 hrs 3 cr.

**FREN 26200 - Perspectives on Women in French Literature**

GER 3/A PD/C or D
The representation of women in literary texts from the Middle Ages to the present. Conducted in English. Readings in English translation.

3 hrs 3 cr.

**French Language and Civilization (30 cr)**

Return to: French - BA

A concentration in French language as well as in French and Francophone literature, culture and civilization. 12 credits from the language sequence (Group A); 0-9 credits from Group B (offered in English); and 9-18 credits from Group C (offered in French).

**Group A:**

**FREN 22000 - Advanced French Conversation**

*prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.*

**FREN 27500 - Introduction to French Literature**

PD/D
Conducted in French. Introduction to literary texts and analysis using outstanding works of French literature in all genres from across centuries. Emphasis on reading comprehension and explication de texte.

*prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.*

**FREN 31100 - Advanced French Grammar**

*prereq: FREN 20200
3 hrs 3 cr.*

**FREN 31200 - French Oral and Written Expression**

*prereq: FREN 20200 or equiv.
3 hrs 3 cr.*

**FREN 32100 - French Translation**
prereq: FREN 20200 or equiv.
3 hrs3 cr.

Group B:

**FREN 24100 - Early French Civilization: From Gothic to Revolution**

GER 2/C PD/D
Conducted in English; readings in English.
3 hrs3 cr.

**FREN 24200 - Modern French Civilization: From Revolution to Present**

GER 2/C PD/D
Conducted in English; readings in English.
There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
3 hrs3 cr.

**FREN 25100 - French Literature and the Arts**

PD/D
Conducted in English; readings in English. Particular attention to theme, image and structure as they may be compared in literary and artistic works.
3 hrs3 cr.

**FREN 25200 - From Symbolism to Surrealism in French Literature**

GER 3/A
Conducted in English; readings in English. Impressionist, symbolist, cubist, Dada and surrealist movements in literature and art from the late 19th to 20th century.
3 hrs3 cr.

**FREN 25300 - Modern French Theatre: Theory and Practice**

GER 3/A PD/D
4 hrs3 cr.

**FREN 25400 - Film and the French Novel**

GER 3/A PD/D
Conducted in English. Truffaut, Godard, Resnais, Robbe-Grillet and others.
3 hrs3 cr.

**FREN 25500 - New Approaches to Modern French Literature**
GER 3/A
Conducted in English; readings in French and English. Investigation of various currents of 20th century literary and aesthetic criticism as practiced in France.
3 hrs 3 cr.

FREN 25600 - Dream and Image (W)

GER 3/A
Conducted in English. Analysis of literary representations of dreams. Exploration of the relationship between word and image in French Literature. Such authors as Flaubert, Maupassant, Nerval and Proust.
3 hrs 3 cr.

FREN 25700 - Literary Cross-Currents

Conducted in English. Topics: Interaction of French and Russian literature, of French and American literature; the myth of Germany in French literature; Shakespeare in France; Dante and French literature.
prereq: reading knowledge of French
3 hrs 3 cr.

FREN 25800 - French Poetry in Translation

Conducted in English. Study of major themes, theories and texts from 16th century to contemporary period.
3 hrs 3 cr.

FREN 25900 - French Theatre in Translation

PD/D
Conducted in English; readings in English. Development of French theatre from 17th to 20th century. Great plays that have become known in English translation.
3 hrs 3 cr.

FREN 26000 - French Novel in Translation (1600-1900)

PD/D
Readings in English; conducted in English. Development and evolution of French novel; its relationship to other literary genres.
3 hrs 3 cr.

FREN 26100 - Modern French Novel in Translation (1900-Present)

PD/D
Conducted in English; readings in English. From Gide and Proust to present.
3 hrs 3 cr.

FREN 26200 - Perspectives on Women in French Literature

GER 3/A PD/C or D
The representation of women in literary texts from the Middle Ages to the present. Conducted in English. Readings in English translation.
Group C:

**FREN 33500 - French Culture I**

PD/D  
Main intellectual and artistic currents from the Gauls to the French Revolution. Conducted in French.  
*prereq: FREN 20200 or four yrs high school French*  
3 hrs 3 cr.

**FREN 33600 - French Culture II**

PD/D  
Main intellectual and artistic currents from the French Revolution to 1958. Conducted in French.  
*prereq: FREN 20200 or four years of high school French*  
3 hrs 3 cr.

**FREN 33700 - Contemporary French Culture**

Contemporary French civilization and culture from 1958 to the present, as seen in its press. World events observed through the lens of French culture and politics. Comparison of current events coverage by French and U.S. Press.  
*prereq: FREN 31100 or 31200 or perm instr.*  
3 hrs 3 cr.

**FREN 34100 - Survey of French Literature from the Middle Ages to the End of the 17th Century**

GER 3/A PD/D  
*prereq: FREN 20200 or four yrs high school French*  
3 hrs 3 cr.

**FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period**

GER 3/A PD/D  
*prereq: FREN 20200 or four yrs high school French*  
3 hrs 3 cr.

**FREN 34300 - Medieval and Renaissance French Literature**

GER 3/A PD/D  
From medieval epics, lyrical poetry and mystery plays to writers such as See, Du Bellay, Ronsard, Rabelais and Montaigne.  
*FREN 34100 and 34200 are prerequisite to all courses numbered 34300 and above.*  
3 hrs 3 cr.
**FREN 34400 - 17th Century French Literature**

GER 3/A PD/D  
Such authors as Boileau, Bossuet, Corneille, Cyrano de Bergerac, La Bruyére, Mme de Lafayette, La Fontaine, Malherbe, Molire, Pascal, Racine, Mme de Sign Saint Simon.  
*prereq: FREN 34100 and 34200  
3 hrs3 cr.*

**FREN 34600 - 18th Century French Literature**

GER 3/A PD/D  
Such authors as Beaumarchais, Buffon, Ch'nier, the Encyclopedists, Diderot, Laclos, Marivaux, Montesquieu, Provost, Rousseau, Sade, Voltaire.  
*prereq: FREN 34100 and 34200  
3 hrs3 cr.*

**FREN 34800 - 19th Century French Literature (1800-1850)**

GER 3/A PD/D  
Such authors as Balzac, Chateaubriand, Constant, Gautier, Hugo, Lamartine, Musset, Sand, Mme de Sta, Stendhal, Vigny.  
*FREN 34100 and 34200  
3 hrs3 cr.*

**FREN 34900 - 19th Century French Literature (1850-1900)**

GER 3/A PD/D  
Such authors as Barbey durevilly, Barr's, Baudelaire, Daudet, Flaubert, France, Huysmans, Leconte de Lisle, Mallarm, Maupassant, Renan, Rimbaud, Sainte-Beuve, Taine, Verlaine, Villiers de Isle-Adam, Zola.  
*prereq: FREN 34100 and 34200  
3 hrs3 cr.*

**FREN 35000 - 20th Century French Literature (1900-1950)**

GER 3/A PD/D  
Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, Pgy, Proust, Sartre.  
*prereq: FREN 34100 and 34200  
3 hrs3 cr.*

**FREN 35100 - Contemporary French Literature (1950-present)**

GER 3/A PD/D  
Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Kolt's, NDiaye, Perec, Redonnet, Robbe-Grillet, Sarraute.  
*prereq: FREN 34100 and 34200  
3 hrs3 cr.*

**FREN 35300 - Survey of Francophone Literature**
GER 3/A
A study of literature produced in French-speaking regions and nations (other than France) such as North and West Africa, the Caribbean, Vietnam and Quebec.
_prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36000 - French Literature: Special Topics

GER 3/A PD/D
_prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36100 - Middle Ages and the Renaissance: Special Topics

GER 3/A PD/D
_prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36200 - The 17th Century: Special Topics

GER 3/A PD/D
3 hrs 3 cr.

FREN 36300 - The 18th Century: Special Topics

GER 3/A PD/D
_prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36400 - The 19th Century: Special Topics

GER 3/A PD/D
_prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36500 - The 20th Century: Special Topics

GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.
_prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 37500 - Seminar in French Literary History

GER 3/A PD/D
Readings, discussion and reports.
_prereq: FREN 34100 and 34200; five courses in French major
3 hrs 3 cr.

FREN 49100 - Honors Course in French
PD/D
Open to Jr/Sr only. Research in history of French literature.
prereq: FREN 34400, 34600, 34800; major GPA 3.2, cum GPA 2.8; perm adviser
3 hrs3 cr.

FREN 49500 - Independent Study in French Literature

prereq: perm adviser
1-3 cr.

Additional Information

Within the Language and Civilization concentration, students may choose either FREN 24100 or FREN 33500 (but not both) and either FREN 24200 or FREN 33600 (but not both) to count towards the major.

French Literature (30 cr)

Return to: French - BA

A concentration in French literature that emphasizes the study of literary works and criticism.

3 credits from

FREN 31100 - Advanced French Grammar

prereq: FREN 20200
3 hrs3 cr.

FREN 31200 - French Oral and Written Expression

prereq: FREN 20200 or equiv.
3 hrs3 cr.

FREN 32100 - French Translation

prereq: FREN 20200 or equiv.
3 hrs3 cr.

6 credits in

FREN 34100 - Survey of French Literature from the Middle Ages to the End of the 17th Century

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs3 cr.
FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

21 credits from

FREN 33500 - French Culture I

PD/D
Main intellectual and artistic currents from the Gauls to the French Revolution. Conducted in French.
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 33600 - French Culture II

PD/D
Main intellectual and artistic currents from the French Revolution to 1958. Conducted in French.
prereq: FREN 20200 or four years of high school French
3 hrs 3 cr.

FREN 33700 - Contemporary French Culture

Contemporary French civilization and culture from 1958 to the present, as seen in its press. World events observed through the lens of French culture and politics. Comparison of current events coverage by French and U.S. Press.
prereq: FREN 31100 or 31200 or perm instr.
3 hrs 3 cr.

FREN 34300 - Medieval and Renaissance French Literature

GER 3/A PD/D
From medieval epics, lyrical poetry and mystery plays to writers such as Scé, Du Bellay, Ronsard, Rabelais and Montaigne.

FREN 34100 and 34200 are prerequisite to all courses numbered 34300 and above.
3 hrs 3 cr.

FREN 34400 - 17th Century French Literature

GER 3/A PD/D
Such authors as Boileau, Bossuet, Corneille, Cyrano de Bergerac, La Bruye, Mme de Lafayette, La Fontaine, Malherbe, Molire, Pascal, Racine, Mme de Sign Saint Simon.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 34600 - 18th Century French Literature
Such authors as Beaumarchais, Buffon, Ch'nier, the Encyclopédistes, Diderot, Laclos, Marivaux, Montesquieu, Provost, Rousseau, Sade, Voltaire.

**FREN 34800 - 19th Century French Literature (1800-1850)**

GER 3/A PD/D

Such authors as Balzac, Chateaubriand, Constant, Gautier, Hugo, Lamartine, Musset, Sand, Mme de Sta, Stendhal, Vigny.

**FREN 34900 - 19th Century French Literature (1850-1900)**

GER 3/A PD/D

Such authors as Barbey durevilly, Barr's, Baudelaire, Daudet, Flaubert, France, Huysmans, Leconte de Lisle, Mallarm, Maupassant, Renan, Rimbaud, Sainte-Beuve, Taine, Verlaine, Villiers de Isle-Adam, Zola.

**FREN 35000 - 20th Century French Literature (1900-1950)**

GER 3/A PD/D

Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, Paguay, Proust, Sartre.

**FREN 35100 - Contemporary French Literature (1950-present)**

GER 3/A PD/D

Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Kolt's, NDiaye, Perec, Redonnet, Robbe-Grillet, Sarraute.

**FREN 35300 - Survey of Francophone Literature**

GER 3/A

A study of literature produced in French-speaking regions and nations (other than France) such as North and West Africa, the Caribbean, Vietnam and Quebec.

**FREN 36000 - French Literature: Special Topics**

GER 3/A PD/D

prereq: FREN 34100 and 34200
3 hrs3 cr.
FREN 36100 - Middle Ages and the Renaissance: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36300 - The 18th Century: Special Topics

GER 3/A PD/D
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 36500 - The 20th Century: Special Topics

GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 37500 - Seminar in French Literary History

GER 3/A PD/D
Readings, discussion and reports.
prereq: FREN 34100 and 34200; five courses in French major
3 hrs 3 cr.

FREN 49100 - Honors Course in French

PD/D
Open to Jr/Sr only. Research in history of French literature.
prereq: FREN 34400, 34600, 34800; major GPA 3.2, cum GPA 2.8; perm adviser
3 hrs 3 cr.

FREN 49500 - Independent Study in French Literature

prereq: perm adviser
1-3 cr.

Students planning to teach in grades 7-12 must also complete 3 credits in Second Language Acquisition:

FREN 39900 - Second Language Acquisition

prereq: at least three courses at the 300 level in the language; ENGL 12000
3 hrs 3 cr.

-or-

FREN 49500 - Independent Study in French Literature
prereq: perm adviser
1-3 cr.
-or-

SEDC 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

The nature of language, and language acquisition/learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.

prereq or coreq: SEDF 20300, 20400
3 hrs 3 cr.
- SEDC 712 (see graduate catalog)

Italian - BA

Major

The Italian major provides two concentrations:

a. Italian Literature (30 cr)

b. Italian Language and Civilization (30 cr)

Preparation for Teaching French, Spanish or Italian Adolescent Education (grades 7-12)

Students pursuing adolescent education must complete the 30 or 36 credit major in one of these languages and, in addition, complete the course in second language acquisition (3 cr). The 23-credit pedagogical sequence in adolescent education will serve as the minor. See the School of Education section of the catalog for further information.

Minor in Italian (12 cr)

Prerequisite for the minor

ITAL 20200 - Intermediate Italian II

Language lab mandatory. 
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.
prereq: ITAL 201 or three yrs high school Italian
3 hrs 3 cr.

-or-

ITAL 22100 - Italian for Oral Communication

A highly interactive course developing oral communication skills in Italian; includes practice in the written language and the study of culture.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 20200 or perm dept.
3 hrs 3 cr.

or placement test

The minor of 12 credits utilizes four existing courses, all taught in Italian.

ITAL 31100 - Advanced Italian Grammar

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 20200 or equiv.
3 hrs 3 cr.

ITAL 31200 - Advanced Italian Composition

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 31100 or equiv.
3 hrs 3 cr.

ITAL 32100 - Italian Translation

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ITAL 311 or equiv.
3 hrs 3 cr.

ITAL 33100 - Italian Phonetics and Diction

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ITAL 202 or equiv.
3 hrs 3 cr.

Honors

Students qualified to graduate with departmental honors must take an honors course or equivalent approved by the departmental advisers. Departmental honors will be conferred upon a recommendation from the appropriate departmental committee. Candidates must present a paper of at least 7,000 typewritten words in the language of specialization. Consult the department for further information.

Graduate Study

Qualified seniors with a minimum GPA of 3.5 in their discipline may be admitted to graduate level courses. Permission must be secured from the chair and then forwarded to the dean. Consult the graduate catalog for requirements and regulations.
Study Abroad

All study abroad programs are open to students from Hunter College and other accredited institutions. Majors and minors in the Department of Romance Languages are strongly encouraged to participate in study abroad programs (see adviser for GPA requirements).

Qualified students can apply for financial aid and STOCS grants.

Hunter in Italy: Summer Program in Pescara, June-July, at the University of Pescara; Italian Language courses and Italian literature and culture courses taught in English.

Winter Program Hunter in Florence, held during January intersession, offers courses and Italian Culture and Literature taught in English.

Italian Language and Civilization (30 cr.)

Return to: Italian - BA

A concentration on Italian language with an emphasis on oral and written communication.

15 credits from among

ITAL 22100 - Italian for Oral Communication

A highly interactive course developing oral communication skills in Italian; includes practice in the written language and the study of culture.

*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*

*prereq: ITAL 20200 or perm dept.*

*3 hrs 3 cr.*

ITAL 31100 - Advanced Italian Grammar

*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*

*prereq: ITAL 20200 or equiv.*

*3 hrs 3 cr.*

ITAL 31200 - Advanced Italian Composition

*There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.*

*prereq: ITAL 31100 or equiv.*

*3 hrs 3 cr.*

ITAL 32100 - Italian Translation
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ITAL 311 or equiv.
3 hrs3 cr.

ITAL 33100 - Italian Phonetics and Diction

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ITAL 202 or equiv.
3 hrs3 cr.

ITAL 36500 - The 20th Century: Special Topics

GER 3/A

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34200
3 hrs3 cr.

15 credits from Group A (offered in English) and Group B (offered in Italian) with no more than 9 credits from Group A.

Group A:

ITAL 26000 - Modern Italian Short Story (W)

GER 2/C PD/D

In English. Study of the main literary trends in short story form, including Naturalism, Neorealism, Existentialism and Surrealism.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ENGL 120 or equiv.
3 hrs3 cr.

ITAL 27500 - Masterpieces of Italian Literature

In English. Selections from Dante to Leopardi. Strongly recommended before taking any 300-level course.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs3 cr.

ITAL 27600 - Dante's Divine Comedy in English (W)

GER 3/A PD/D

Introduction to Dante's Divine Comedy, with particular emphasis on the Inferno.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs 3 cr.

ITAL 28000 - The Italian Renaissance: An Introduction

GER 2/C PD/D
In English. An introduction to the literature of the Italian Renaissance and the major humanist figures in art, politics, philosophy and science.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs 3 cr.

ITAL 33400 - Italian Civilization in the Baroque, in English

GER 2/C PD/D
An introduction to the main artistic, philosophical, scientific and literary achievements in Italy in the 17th century.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 22000 or AFPL 23500, 23600 or 23700 or any courses in literature in translation
3 hrs 3 cr.

ITAL 33500 - Italian Culture I

GER 2C
In English. Main intellectual-artistic currents from the 12th to 15th century.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs 3 cr.

ITAL 33600 - Italian Culture II

GER 2C
In English. Main intellectual-artistic currents from the 16th to 20th century.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 1200
3 hrs 3 cr.

ITAL 33700 - Italian Women Writers from the Middle Ages to the 18th Century, in English

GER 2C PD/C
Study of such writers of prose and poetry as St. Catherine of Siena, La Compiuta Donzella, Veronica Gambara, Gaspara Stampa, Vittoria Colonna, Diodada Saluzzo.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs 3 cr.
ITAL 33800 - 19th and 20th Century Italian Women Writers, in English

GER 3/A PD/C
Study of such representative writers as Sibilla Aleramo, Elsa Morante, Natalia Ginzburg, Dacia Maraini, Margherita Guidacci, Maria Luisa Spaziani.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ENGL 12000
3 hrs 3 cr.

Group B:

ITAL 34100 - Introduction to Italian Literature from the Middle Ages to the 16th Century

GER 3/A
Selections from Dante to Ariosto.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 20200
3 hrs 3 cr.

ITAL 34200 - Introduction to Italian Literature from the 16th Century to the Present

GER 3/A PD/D
Selections from Tasso to contemporary writers.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 20200
3 hrs 3 cr.

ITAL 34300 - Dante’s Vita Nuova and Inferno

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 34400 - Dante’s Purgatorio and Introduction to Paradiso

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34300
3 hrs 3 cr.

ITAL 34500 - Dante’s Paradiso and Major Prose Works
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

**ITAL 34600 - Petrarch, Boccaccio and the Literature of Humanism**

Il Canzoniere and Il Decameron.

**ITAL 34700 - 16th Century Italian Literature**

Study of such authors as Ariosto, Castiglione, Guicciardini and Machiavelli.

**ITAL 34800 - 17th and 18th Century Literature**

Study of such authors as Tasso, Goldoni and Alfieri.

**ITAL 35000 - The Modern Italian Novel**

Novel from Manzoni to present.

**ITAL 35100 - The Modern Italian Theatre**

Plays of Goldoni, Manzoni, Alfieri, d'Annunzio, Pirandello, Betti and contemporaries.
ITAL 36000 - The Middle Ages: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 36100 - The Renaissance: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 36200 - The 17th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 36300 - The 18th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 36400 - The 19th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 37000 - Italian Literature: Special Topics

GER 3/A
Topics to be offered may include individual authors, themes, genres, movements, or approaches.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100 or 34200 (depending on topic)
3 hrs 3 cr.

ITAL 37500 - Seminar in Italian Literary History
Strongly recommended for all Italian majors. Readings, discussion and reports.  

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.  
prereq: ITAL 34100, 34200  
3 hrs3 cr.

**ITAL 49500 - Independent Study in Italian Literature**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.  
prereq: perm dept. adviser  
1-3 cr.

**Italian Literature (30 cr)**

Return to: Italian - BA

A concentration on Italian literature with an emphasis on the study of literary history and texts. The majority of the courses are offered in Italian.

3 credits from

**ITAL 31100 - Advanced Italian Grammar**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.  
prereq: ITAL 20200 or equiv.  
3 hrs3 cr.

**ITAL 31200 - Advanced Italian Composition**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.  
prereq: ITAL 31100 or equiv.  
3 hrs3 cr.

**ITAL 33100 - Italian Phonetics and Diction**

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.  
prereq: ITAL 202 or equiv.  
3 hrs3 cr.

9 credits from

**ITAL 34100 - Introduction to Italian Literature from the Middle Ages to the 16th Century**
GER 3/A
Selections from Dante to Ariosto.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 20200
3 hrs 3 cr.

ITAL 34200 - Introduction to Italian Literature from the 16th Century to the Present
GER 3/A PD/D
Selections from Tasso to contemporary writers.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 20200
3 hrs 3 cr.

ITAL 34300 - Dante's Vita Nuova and Inferno
GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

3 credits from

ITAL 34400 - Dante's Purgatorio and Introduction to Paradiso
GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34300
3 hrs 3 cr.
-or-

ITAL 34500 - Dante’s Paradiso and Major Prose Works
GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34300
3 hrs 3 cr.

15 credits chosen from

ITAL 34600 - Petrarch, Boccaccio and the Literature of Humanism
GER 3/A PD/D
Il Canzoniere and Il Decamerone.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200)
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 34700 - 16th Century Italian Literature

GER 3/A PD/D
Study of such authors as Ariosto, Castiglione, Guicciardini and Machiavelli.

ITAL 34800 - 17th and 18th Century Literature

GER 3/A PD/D
Study of such authors as Tasso, Goldoni and Alfieri.

ITAL 34900 - The Modern Italian Lyric

GER 3/A PD/D
From Leopardi to contemporaries.

ITAL 35000 - The Modern Italian Novel

GER 3/A PD/D
Novel from Manzoni to present.

ITAL 35100 - The Modern Italian Theatre

GER 3/A
Plays of Goldoni, Manzoni, Alfieri, d'Annunzio, Pirandello, Betti and contemporaries.

ITAL 36000 - The Middle Ages: Special Topics
GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs3 cr.

ITAL 36100 - The Renaissance: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs3 cr.

ITAL 36200 - The 17th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 36300 - The 18th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 36400 - The 19th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 36500 - The 20th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 37000 - Italian Literature: Special Topics

GER 3/A
Topics to be offered may include individual authors, themes, genres, movements, or approaches.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200)
and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100 or 34200 (depending on topic)
3 hrs3 cr.

ITAL 37500 - Seminar in Italian Literary History

Strongly recommended for all Italian majors. Readings, discussion and reports.

ITAL 49500 - Independent Study in Italian Literature

1-3 cr.

Students planning to teach in grades 7-12 must also complete 3 credits in Second Language Acquisition:

ITAL 39900 - Second Language Acquisition

SEDC 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12

The nature of language, and language acquisition/ learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.
prereq or coreq: SEDF 20300, 20400
3 hrs3 cr.

• SEDC 712 (see graduate catalog)

Major concentration in Spanish-English/English-Spanish translation and interpretation (36 cr)
This program prepares students for careers in the growing translation field. Students take courses in Spanish language, literature and civilization in conjunction with specialized courses in translation/interpretation theory and practice. Allied courses in English and related fields of study are required and must be approved by the program adviser. Sufficient flexibility is built into the program so that students may tailor certain requirements to fit their individual needs and interests. An intensive internship in translation and/or interpretation serves as the student’s capstone experience and preparation for future professional settings. Please see the department of Romance Languages for more details regarding this new and innovative program of study.

Prerequisites

ENGL 12000 - Expository Writing

GER 1/A
Required of all students unless exempt; trains students to analyze, develop and evaluate ideas and to express themselves clearly and effectively. Introduction to documented research.
prereq: successful completion of developmental courses, if required
3 hrs + conf3 cr.

SPAN 21100 - Spanish Grammar and Composition

Not recommended for fluent speakers of Spanish. Study of grammatical and syntactical patterns. Practice in reading, writing and speaking Spanish.
prereq: SPAN 20200 or 20300
3 hrs3 cr.
-or-

SPAN 27000 - Spanish Composition for Spanish Speaking Students

prereq: SPAN 20800 or perm adviser
3 hrs3 cr.

Major Course Requirements (36 credits)

1. Linguistic Structures and Advanced Writing (9 cr.)

SPAN 31100 - The Structure of Modern Spanish

prereq: SPAN 20200, 20300, 20800, 21100 or equiv.
3 hrs3 cr.

SPAN 31200 - Advanced Spanish Writing

Applying morphosyntactical patterns through intensive composition. Exploration of various writing forms. Required of all Spanish majors.
prereq: SPAN 31100 or equiv.
3 hrs3 cr.

SPAN 31300 - Spanish Stylistics
Practice in Spanish writing through stylistic analysis of poetic and narrative structures and the relationship of text and context.

*prereq: ENGL 12000; SPAN 31100, 31200, 34100, 34200
3 hrs3 cr.*

2. Lexical and Cultural Enrichment (12 cr.)

**SPAN 34100 - Introduction to Hispanic Literature I**

GER 3/A PD/D

Prerequisite or corequisite to most courses in major sequence. Basic interpretive and research skills for Spanish majors and other qualified students through study of key works of Spanish and Spanish-American authors.

*prereq or coreq: SPAN 31100 or dept. perm
3 hrs3 cr.*

**SPAN 34200 - Introduction to Hispanic Literature II**

GER 3/A PD/D

*prereq: SPAN 34100, 34200
3 hrs3 cr.*

Two courses in contemporary Spanish or Spanish-American theatre, narrative or essay above SPAN 34200, or from any of the following:

**SPAN 35300 - Spanish Neoclassicism and Romanticism**

GER 3/A PD/D

Representative works of Neoclassical and Romantic periods, including costumbrismo.

*prereq: SPAN 34100
3 hrs3 cr.*

**SPAN 35500 - Spanish Literature from Realism to World War I**

GER 3/A PD/D

From Realism and Naturalism through the Generation of 1898 and Modernism.

*prereq: SPAN 34100
3 hrs3 cr.*

**SPAN 35700 - Early 20th Century Spanish Literature**

GER 3/A PD/D

Presentation of the major writers and works of the first 40 years of 20th century Spanish literature.

*prereq: SPAN 34100
3 hrs3 cr.*

**SPAN 35800 - Post-Civil War Spanish Literature**

GER 3/A PD/D

Major trends and writers since the Spanish Civil War, with particular attention to the social, cultural and political
context.

**SPAN 36200 - Spanish-American Romanticism, Realism and Naturalism**

GER 3/A
Representative works of 19th century Spanish-American literature.

*prereq: SPAN 34100
3 hrs 3 cr.*

**SPAN 36400 - Spanish-American Modernism and Post-modernism**

GER 3/A
Modernist and post-modernist authors.

*prereq: SPAN 34100
3 hrs 3 cr.*

**SPAN 36500 - Survey of Spanish-American Teatro**

GER 3/A
Survey of major trends in Spanish-American dramatic literature from colonial days to the present, with emphasis on the second half of the 20th century.

*prereq: SPAN 34100
3 hrs 3 cr.*

**SPAN 36600 - Contemporary Latin American Poetry**

GER 3/A
Major trends, such as Vanguardia, Brazilian Modernismo, Caribbean poetry, Anti-Poetry, Exteriorismo and popular poetry.

*prereq: SPAN 34100
3 hrs 3 cr.*

**SPAN 36700 - Latin American Essay**

GER 3/A
Exploration of the essay as an aesthetic form and its role in the social and cultural struggles that have marked Latin-American history.

*prereq: SPAN 34100
3 hrs 3 cr.*

**SPAN 36800 - Contemporary Latin American Narrative**

GER 3/A
Major trends, such as the Indianist novel, Mexican Revolution, social and psychological realism, novel of the 'boom', novel of the dictator.

*prereq: SPAN 34100
3 hrs 3 cr.*
SPAN 37000 - Special Topics in Spanish Literature

GER 3/A PD/D
May be repeated with different topic.
prereq: SPAN 34100; permission of adviser.
3 hrs 3 cr.

SPAN 37100 - Special Topics in Spanish- American Literature

GER 3/A
May be repeated with different topic.
prereq: SPAN 34100; permission of adviser.
3 hrs 3 cr.

SPAN 37400 - Contemporary Literature and Film

GER 3/A
Conducted in Spanish. Analysis of contemporary novels from Latin America and Spain and the films based upon them
prereq: SPAN 34100 or instructor permission
3 hrs 3 cr.

or from Africana and Puerto Rican Studies (taught in Spanish)
-or-

One of the above plus one course in Spanish or Spanish-American culture

SPAN 33500 - Spanish Civilization

GER 3/A PD/D
Geographical, historical, political, literary, artistic and industrial evolution of Spain. Given in Spanish. Highly
recommended.
prereq: SPAN 20800, 21100 or dept. perm
3 hrs 3 cr.

SPAN 33600 - Latin American Civilization

GER 3/A
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in
Spanish.
prereq: SPAN 20800, 21100 or dept. perm
3 hrs 3 cr.

3. Translation and Interpretation (15 cr.)

SPAN 38000 - Introduction to Translation and Interpretation Studies

Provides an introduction to basic concepts and techniques of translation and interpretation and develops a systematic
approach to resolving language transference problems.
prereq: SPAN 31100 and 31200
3 hrs 3 cr.
Two courses from:

**SPAN 38100 - Translation from Spanish into English**

Develops proficiency in translating from Spanish into English. The student will work with a variety of general Spanish texts and develop skills for analyzing and rendering them accurately into English. In addition, s/he will examine the best ways to handle idiometic expressions, tenses and other complex grammatical structures. S/he will become familiar with the relevant terminology and theoretical issues, as well as learn how to select and evaluate dictionaries and other research materials.

*prereq: SPAN 38000
3 hrs 3 cr.*

**SPAN 38200 - Consecutive Interpretation Spanish-English/English-Spanish**

An overview of the principles of consecutive interpretation.

*prereq: SPAN 38000
3 hrs 3 cr.*

**SPAN 38300 - Translation from English into Spanish**

Reinforces the basic principles of translation taught in SPAN 3800 with more advanced texts, and adds a special emphasis on style and the specific demands of certain categories of texts, as well as theoretical discussion regarding choices in translation.

*prereq: SPAN 38000
3 hrs 3 cr.*

**SPAN 38400 - Simultaneous Interpretation Spanish-English**

Designed so that students may begin working directly on the skills, protocol and practice of simultaneous interpretation, analyze in detail its processes, and review the settings in which it is used.

*prereq: SPAN 38000
3 hrs 3 cr.*

One or more courses from SPAN 39000: (topics vary. See Schedule of classes for offerings)

**SPAN 39000 - Translation and Interpretation for the Professions**

This series of courses will focus each semester on a different professional area, such as legal, medical, business, technical-scientific, social, and literary translation.

*prereq: varies by course
3 hrs 3 cr.*

One or more courses from:

**SPAN 39100 - Internship in Translation**
Students who have completed the 39000 sequence of courses and have maintained an average of B+ or better are encouraged to take advantage of this internship. It consists of 70 hours of practical work in translation for a financial institution, law firm, translation agency, the United Nations, or other organization. In addition, the student must attend regularly scheduled meetings with the professor supervising the internship in order to discuss issues and problems in the real world of professional translation.

\[ \text{prereq: SPAN 38100 – 38400, 39000} \]
\[ 3 \text{ hrs} 3 \text{ cr.} \]

**SPAN 39200 - Internship in Interpretation**

Students who have completed the 39000 sequence of courses and have maintained an average of B+ or better are encouraged to take advantage of this internship to train them in real-world interpreting skills in the context of court interpreting, parliamentary procedure, diplomatic etiquette, conference organization, etc. This internship consists of 70 hours of practical work in interpretation as well as frequent meetings with the professor supervising the internship in order to discuss issues and problems in the real world of professional interpretation.

\[ \text{prereq: SPAN 38100 – 38400, 39000} \]
\[ 3 \text{ hrs} 3 \text{ cr.} \]

**Allied Course Requirements (12 credits)**

1. At least two courses from among the following (6 cr.)

**ENGL 20100 - Intermediate Expository Writing Using Small-Group Methods**

Additional practice in expository writing; small classes (8-10).

\[ \text{prereq: ENGL 12000} \]
\[ 3 \text{ hrs} 3 \text{ cr.} \]

**ENGL 21800 - Advanced Expository Writing**

Frequent writing practice, with emphasis on clarity, style and organization.

\[ \text{prereq: ENGL 12000} \]
\[ 3 \text{ hrs + conf} 3 \text{ cr.} \]

**ENGL 30100 - Theory and Practice of Expository Writing**

GER 3/A
Composition in variety of nonfiction prose forms and study of rhetorical theories.

\[ \text{prereq: ENGL 22000} \]
\[ 3 \text{ hrs} 3 \text{ cr.} \]

**ENGL 30800 - Workshop in Non-Fiction I**

GER 3/A
Using student work and literary models as a basis for discussion, this workshop class offers students the opportunity to develop their skills as writers and readers of various non-fiction genres, including memoir/autobiography and other
forms of personal essays, review essays, occasional pieces, and philosophical essays.

prereq: ENGL 30000
3 hrs3 cr.

ENGL 30900 - Workshop in Non-Fiction II

GER 3/A
A continuation of Workshop in Non-Fiction I, with increasing emphasis on craft and revision.

This course may be repeated once for credit.
prereq: ENGL 30000 and 30800
3 hrs3 cr.

ENGL 33100 - The Structure of Modern English

Investigation of the English language as a system with attention to its acquisition, structure and social and regional variations. Satisfies linguistics but not literature requirements.

prereq: ENGL 22000
3 hrs3 cr.

2. Choose either Option A -or- Option B

Option A: Two courses in contemporary US literature written in English from the following courses (6 cr.)

ENGL 32000 - Multi-Ethnic American Literature (W)

GER 3/A PD/B
A study of writers of Asian, African, Latino, Jewish and Native American background in relation to interdisciplinary theories of cultural identity.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 32100 - Studies in African American Literature

GER 3/A PD/B
Selected works by African American writers will be studied in relation to a special theme, technique, theoretical issue, or cultural consideration.

prereq: ENGL 22000
3 hrs3 cr.

ENGL 37700 - 20th Century American Fiction

GER 3/A
Study of such authors as Dreiser, Wharton, Fitzgerald, Hemingway, Faulkner, Porter, Warren, O'Connor, Nabokov and Bellow.

prereq: ENGL 22000
3 hrs3 cr.
ENGL 37900 - 20th Century American Drama

GER 3/A
Study of such authors as O'Neill, Wilder, Hellman, Miller, Williams, Hansberry and Albee.
prereq: ENGL 22000
3 hrs 3 cr.

AFPRL 35600 - Latino Literature in English (W)

GER 3/A PD/B
Latino writing in English in the U.S.; analysis of cultural, linguistic and ideological factors as found in the work of such authors as Sandra Cisneros (Chicana), Pedro Pietri (Puerto Rican) and Oscar Hijuelos (Cuban-American).
3 hrs 3 cr.

Option B: One courses from Option A above and one of the following courses (6 cr.)

ANTHC 15100 - Introduction to Linguistics

GER 2/B
Structure and analysis of human languages; language history; language in society, culture and mind; language universals.
3 hrs 3 cr.

ANTHC 35100 - Language in Culture and Society

GER 3/B
Sociolinguistics; ethnography of communication; languages and dialects; face-to-face interaction; bilingualism in social and political life; language, ideology and identity.
3 hrs 3 cr.

ANTHC 35300 - Phonological Analysis and Theory

GER 3/B
Phonetics of diverse languages, their phonemic analysis at different levels of theory, including distinctive feature analysis and phonological links to grammar.
prereq: ANTHC 15100 or equiv.
3 hrs 3 cr.

ANTHC 35400 - Grammatical Analysis and Theory

GER 3/B
Methods of syntax and morphology in work with diverse languages; syntactic theories and their development relative to universals, semantics, pragmatics, discourse.
prereq: ANTHC 15100 or equiv.
3 hrs 3 cr.

AFPRL 18100 - Language and Ethnic Identity
ENGL 33200 - History of the English Language (W)

Development of English from earliest records to the present. Spread of English across the globe. Effects on English of contacts with other languages. Satisfies linguistics but not literature requirements.

*prereq: ENGL 22000
3 hrs3 cr.*

MEDP 24000 - Effective Speechmaking

Development of skills in speechmaking and media presentation.

*prereq: MEDIA 18000
3 hrs3 cr.*

MEDP 29200 - Basic Reporting (W)

Workshop and discussion to provide basic skills of newspaper writing.

*prereq: MEDIA 18000
3 hrs3 cr.*

MEDP 29300 - Advanced Reporting (W)

Intermediate course to advance skills in writing and reporting.

*prereq: MEDP 29200
3 hrs3 cr.*

THEA 16100 - Acting I: Basic Acting Techniques

For intended majors and non-majors. Exploration of the fundamentals of acting technique through improvisation.

*coreq: .
3 hrs3 cr.*

THEA 26100 - Acting II: Contemporary Drama

GER 3/A
Fundamentals of scene study focusing on text analysis, personalization, objective and action using American realism.

*prereq: THEA 16100 or perm instr.
4 hrs3 cr.*

THEA 26200 - Acting III: Contemporary Drama

GER 3/A
Continued work on scene study using realistic plays from the world repertory.

*prereq: THEA 26100 or perm instr.coreq: THEA 26300
4 hrs3 cr.*

Romance Languages - BA
Honors

Students qualified to graduate with departmental honors must take an honors course or equivalent approved by the departmental advisers. Departmental honors will be conferred upon a recommendation from the appropriate departmental committee. Candidates must present a paper of at least 7,000 typewritten words in the language of specialization. Consult the department for further information.

Graduate Study

Qualified seniors with a minimum GPA of 3.5 in their discipline may be admitted to graduate level courses. Permission must be secured from the chair and then forwarded to the dean. Consult the graduate catalog for requirements and regulations.

Major (36 cr)

Intended for students who want to specialize in two Romance languages.

- Required: 34100 and 34200 in each of two chosen languages (12 cr)
- 9 credits in advanced literature in each of the two languages (18 cr)
- 3 credits in culture or translation in each of the two languages (6 cr)

Minor (12 cr)

Students majoring in one or more Romance languages take as a minor 12 credits in one field of study that leads to a BA degree, which must be approved by the departmental adviser.

Minor for Non-Majors

Students wishing to minor in a Romance Languages major must consult with their major departmental adviser for course approval of their 12 minor credits.

Study Abroad

All study abroad programs are open to students from Hunter College and other accredited institutions. Majors and minors in the Department of Romance Languages are strongly encouraged to participate in study abroad programs (see adviser for GPA requirements).

Qualified students can apply for financial aid and STOCS grants.

Spanish - BA

Preparation for Teaching French, Spanish or Italian Adolescent Education (grades 7-12)
Students pursuing adolescent education must complete the 30 or 36 credit major in one of these languages and, in addition, complete the course in second language acquisition (3 cr). The 23-credit pedagogical sequence in adolescent education will serve as the minor. See the School of Education section of the catalog for further information.

Major

The Spanish major provides two concentrations:

a. Spanish Literature (36 cr)

b. Major concentration in Spanish-English/English-Spanish translation and interpretation (36 cr)

Honors

Students qualified to graduate with departmental honors must take an honors course or equivalent approved by the departmental advisers. Departmental honors will be conferred upon a recommendation from the appropriate departmental committee. Candidates must present a paper of at least 7,000 typewritten words in the language of specialization. Consult the department for further information.

Minor in Spanish

1. Spanish Minor

The Spanish minor consists of 15 credits of courses that are taught entirely in Spanish and combines language, civilization, and literature.

The prerequisite for a Spanish minor consists of either

**SPAN 20200 - Intermediate Spanish II**

Language lab mandatory.

*Spanish for English speakers.*

*prereq: SPAN 20100 or three yrs high school Spanish*  
3 hrs3 cr.

-or-

**SPAN 20800 - Advanced Spanish for Native Speakers**

*Spanish for native speakers.*

*prereq: SPAN 20700 or perm dept.*

3 hrs3 cr.

or equivalent proficiency

2. Minor in Spanish Cultures and Literatures

The following courses are required for a minor in Spanish Cultures and Literatures:

Two language courses
Two language courses (6 credits) above the SPAN 20200 (non-heritage speakers) or SPAN 20800 (heritage speakers) level, at least one of which must be a 300-level course. Recommended courses are:

**SPAN 21100 - Spanish Grammar and Composition**

Not recommended for fluent speakers of Spanish. Study of grammatical and syntactical patterns. Practice in reading, writing and speaking Spanish.

*prereq: SPAN 20200 or 20300*

3 hrs 3 cr.

**SPAN 22100 - Spanish for Oral Communication**

Not for fluent Spanish speakers.

*prereq: SPAN 20200 or equiv. and perm adviser*

3 hrs 3 cr.

**SPAN 27000 - Spanish Composition for Spanish Speaking Students**

*prereq: SPAN 20800 or perm adviser*

3 hrs 3 cr.

**SPAN 31100 - The Structure of Modern Spanish**


*prereq: SPAN 20200, 20300, 20800, 21100 or equiv.*

3 hrs 3 cr.

**SPAN 31200 - Advanced Spanish Writing**

Applying morphosyntactical patterns through intensive composition. Exploration of various writing forms. Required of all Spanish majors.

*prereq: SPAN 31100 or equiv.*

3 hrs 3 cr.

One civilization course

One civilization course (3 credits) chosen from

**SPAN 33500 - Spanish Civilization**

GER 3/A PD/D

*prereq: SPAN 20800, 21100 or dept. perm*

3 hrs 3 cr.

-or-

**SPAN 33600 - Latin American Civilization**
GER 3/A
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in Spanish.
prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

Two literature courses

Two literature courses (6 credits) on Spanish or Latin American literature. Recommended courses include:

**SPAN 27500 - Readings in Modern Spanish Literature**

PD/D
Representative writers: Unamuno, Lorca, Cela.
prereq: SPAN 20200, 20300, 20800, 21100 or four yrs high school Spanish or dept. perm
3 hrs3 cr.

**SPAN 27600 - Readings in Modern Spanish-American Literature**

Representative writers: Borges, Neruda, Cortazar, Garcia Mirquez.
prereq: SPAN 20200, 20300, 20800, 21100 or four yrs high school Spanish or dept. perm.
3 hrs3 cr.

Alternately, students may take 300-level Spanish and Latin American literature courses from the following list by special permission of adviser:

**SPAN 34300 - Spanish Literature of the Middle Ages**

GER 3/A PD/D
After exploring Al Andalus’ poetry, prose and philosophy written by Muslim and Jewish authors; the Castilian epic *Poema de Mio Cid*, the beginning of the Christian cult of Virgin Mary (*Milagros de Nuestra Señora*), the origins of the short stories (*Libro de Conde Lucanor*), and the elegy will be studied. Special attention will be given to the position of women since the 12th Century, especially in *Libro de buen amor*.
prereq: SPAN 34100
3 hrs3 cr.

**SPAN 34500 - Spanish Drama of the Golden Age**

GER 3/A PD/D
Theatre of 16th and 17th centuries, Lope de Vega and Calderon.
prereq: SPAN 34100
3 hrs3 cr.

**SPAN 34600 - Cervantes**

GER 3/A PD/D
Don Quijote.
prereq: SPAN 34100
3 hrs3 cr.
SPAN 34900 - Spanish Prose of the Golden Age

GER 3/A PD/D
Principal themes and genres of prose production in Spain in the 16th and 17th centuries, with emphasis on such authors as Rojas, Santa Teresa, Cervantes, Zayas and Quevedo.
    *prereq: SPAN 34100
    3 hrs 3 cr.

SPAN 35000 - Spanish Poetry of the Golden Age

GER 3/A PD/D
Principal forms and issues of poetic composition in Spain in the 16th and 17th centuries, with emphasis on major poets such as Garcilaso, Fray Luis, San Juan de la uz, Lope, Quevedo and Góngora.
    *prereq: SPAN 34100
    3 hrs 3 cr.

SPAN 35300 - Spanish Neoclassicism and Romanticism

GER 3/A PD/D
Representative works of Neoclassical and Romantic periods, including costumbrismo.
    *prereq: SPAN 34100
    3 hrs 3 cr.

SPAN 35500 - Spanish Literature from Realism to World War I

GER 3/A PD/D
From Realism and Naturalism through the Generation of 1898 and Modernism.
    *prereq: SPAN 34100
    3 hrs 3 cr.

SPAN 35700 - Early 20th Century Spanish Literature

GER 3/A PD/D
Presentation of the major writers and works of the first 40 years of 20th century Spanish literature.
    *prereq: SPAN 34100
    3 hrs 3 cr.

SPAN 35800 - Post-Civil War Spanish Literature

GER 3/A PD/D
Major trends and writers since the Spanish Civil War, with particular attention to the social, cultural and political context.
    *prereq: SPAN 34100
    3 hrs 3 cr.

SPAN 36000 - Spanish-American Literature of the Colonial Period
GER 3/A
Masterpieces from the 16th to the late 18th centuries; from the age of exploration to the period of independence.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36200 - Spanish-American Romanticism, Realism and Naturalism

GER 3/A
Representative works of 19th century Spanish-American literature.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36400 - Spanish-American Modernism and Post-modernism

GER 3/A
Modernist and post-modernist authors.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36500 - Survey of Spanish-American Teatro

GER 3/A
Survey of major trends in Spanish-American dramatic literature from colonial days to the present, with emphasis on the second half of the 20th century.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36600 - Contemporary Latin American Poetry

GER 3/A
Major trends, such as Vanguardia, Brazilian Modernismo, Caribbean poetry, Anti-Poetry, Exteriorismo and popular poetry.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36700 - Latin American Essay

GER 3/A
Exploration of the essay as an aesthetic form and its role in the social and cultural struggles that have marked Latin-American history.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 36800 - Contemporary Latin American Narrative

GER 3/A
Major trends, such as the Indianist novel, Mexican Revolution, social and psychological realism, novel of the 'boom', novel of the dictator.
prereq: SPAN 34100
3 hrs3 cr.
SPAN 37000 - Special Topics in Spanish Literature

GER 3/A PD/D
May be repeated with different topic.
prereq: SPAN 34100; permission of adviser.
3 hrs 3 cr.

Note:

Students may use transfer credits and credits from the Hunter programs in Spain and Argentina up to a maximum of 6 credits. At least 9 credits of the minor must be completed in residence at Hunter.

Graduate Study

Qualified seniors with a minimum GPA of 3.5 in their discipline may be admitted to graduate level courses. Permission must be secured from the chair and then forwarded to the dean. Consult the graduate catalog for requirements and regulations.

Study Abroad

All study abroad programs are open to students from Hunter College and other accredited institutions. Majors and minors in the Department of Romance Languages are strongly encouraged to participate in study abroad programs (see adviser for GPA requirements).

Qualified students can apply for financial aid and STOCS grants.

Spanish in Spain is offered during June, July, or both months at the Universidad Antonio de Nebrija in Madrid. Spanish in Argentina is offered during the winter break in Mar del Plata (Argentina) at the Universidad Nacional de Mar del Plata.

Spanish Literature (36 cr)

Spanish Literature

SPAN 31100 - The Structure of Modern Spanish

prereq: SPAN 20200, 20300, 20800, 21100 or equiv.
3 hrs 3 cr.

SPAN 31200 - Advanced Spanish Writing

Applying morphosyntactical patterns through intensive composition. Exploration of various writing forms. Required of all Spanish majors.
prereq: SPAN 31100 or equiv.
3 hrs 3 cr.
SPAN 34100 - Introduction to Hispanic Literature I

GER 3/A PD/D
Prerequisite or corequisite to most courses in major sequence. Basic interpretive and research skills for Spanish majors and other qualified students through study of key works of Spanish and Spanish-American authors.
prereq or coreq: SPAN 31100 or dept. perm
3 hrs 3 cr.

SPAN 34200 - Introduction to Hispanic Literature II

GER 3/A PD/D
prereq: SPAN 34100 coreq: SPAN 31200
3 hrs 3 cr.

In addition, 6 credits in literature before the 19th century

choose from:

SPAN 34300 - Spanish Literature of the Middle Ages

GER 3/A PD/D
After exploring Al Andalus’ poetry, prose and philosophy written by Muslim and Jewish authors; the Castilian epic Poema de Mio Cid, the beginning of the Christian cult of Virgin Mary (Milagros de Nuestra Señora), the origins of the short stories (Libro de Conde Lucanor), and the elegy will be studied. Special attention will be given to the position of women since the 12th Century, especially in Libro de buen amor.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 34500 - Spanish Drama of the Golden Age

GER 3/A PD/D
Theatre of 16th and 17th centuries, Lope de Vega and Calderon.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 34600 - Cervantes

GER 3/A PD/D
Don Quijote.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 34900 - Spanish Prose of the Golden Age

GER 3/A PD/D
Principal themes and genres of prose production in Spain in the 16th and 17th centuries, with emphasis on such authors as Rojas, Santa Teresa, Cervantes, Zayas and Quevedo.
prereq: SPAN 34100
3 hrs 3 cr.
SPAN 35000 - Spanish Poetry of the Golden Age

GER 3/A PD/D
Principal forms and issues of poetic composition in Spain in the 16th and 17th centuries, with emphasis on major poets such as Garcilaso, Fray Luis, San Juan de la uz, Lope, Quevedo and Góngora.

prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35300 - Spanish Neoclassicism and Romanticism

GER 3/A PD/D
Representative works of Neoclassical and Romantic periods, including costumbrismo.

prereq: SPAN 34100
3 hrs 3 cr.

9 credits in Latin American literature

choose from:
(At least 3 credits from this category must be in contemporary literature)

SPAN 36000 - Spanish-American Literature of the Colonial Period

GER 3/A
Masterpieces from the 16th to the late 18th centuries; from the age of exploration to the period of independence.

prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36200 - Spanish-American Romanticism, Realism and Naturalism

GER 3/A
Representative works of 19th century Spanish-American literature.

prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36400 - Spanish-American Modernism and Post-modernism

GER 3/A
Modernist and post-modernist authors.

prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36500 - Survey of Spanish-American Teatro

GER 3/A
Survey of major trends in Spanish-American dramatic literature from colonial days to the present, with emphasis on the second half of the 20th century.

prereq: SPAN 34100
3 hrs 3 cr.
SPAN 36600 - Contemporary Latin American Poetry

GER 3/A
Major trends, such as Vanguardia, Brazilian Modernismo, Caribbean poetry, Anti-Poetry, Exteriorismo and popular poetry.

prereq: SPAN 34100
3 hrs3 cr.

SPAN 36700 - Latin American Essay

GER 3/A
Exploration of the essay as an aesthetic form and its role in the social and cultural struggles that have marked Latin-American history.

prereq: SPAN 34100
3 hrs3 cr.

SPAN 36800 - Contemporary Latin American Narrative

GER 3/A
Major trends, such as the Indianist novel, Mexican Revolution, social and psychological realism, novel of the 'boom', novel of the dictator.

prereq: SPAN 34100
3 hrs3 cr.

SPAN 37100 - Special Topics in Spanish-American Literature

GER 3/A
May be repeated with different topic.

prereq: SPAN 34100; permission of adviser.
3 hrs3 cr.

Three additional credits must be taken from either one of the following courses:

SPAN 33500 - Spanish Civilization

GER 3/A PD/D

prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

SPAN 33600 - Latin American Civilization

GER 3/A
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in Spanish.

prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.
The remaining 6 credits

Students may choose the remaining 6 credits in any course in literature from Spain or Hispanic America numbered above 342. Students planning to teach in grades 7-12 must also complete 3 credits in Second Language Acquisition:

**SPAN 39900 - Second Language Acquisition**

*prereq: at least three courses at the 300-level in the language; ENGL 12000*  
3 hrs 3 cr.

**SPAN 49500 - Independent Study in Hispanic Literature**

PD/D  
*prereq: perm dept.*  
1-3 cr.

**SEDC 21200 - Methods I: Foundations of Literacy, Language and Learning in the Foreign/Heritage Language Classroom, Grades 7-12**

The nature of language, and language acquisition/learning, and the inherent implications for teaching a foreign/heritage language at the secondary level. The foreign language standards and the English language arts standards are reviewed as they impact on curriculum design for foreign/heritage language learners.  
*prereq or coreq: SEDF 20300, 20400*  
3 hrs 3 cr.  
- SEDC 712 (see graduate catalog)

**Comparative Literature**

**COMPL 30100 - Seminar: Approaches to Comparative Literature**

Study of selected major works to demonstrate scope and various approaches of comparative literature. Focus on conscious imitation, treatment of similar themes, use of well-defined genres and conventions as well as of concepts from history of ideas. Emphasis on close reading of texts and development of itical vocabulary.  
*Required of all majors in comparative literature.*  
3 hrs 3 cr.

**COMPL 32000 - Comparative Studies in Prose Fiction**

May be taken more than once when content varies.  
3 hrs 3 cr.

**COMPL 32100 - Comparative Studies in Prose Fiction**

May be taken more than once when content varies.  
3 hrs 3 cr.
COMPL 33000 - Comparative Studies in Drama
May be taken more than once when content varies.
3 hrs 3 cr.

COMPL 33100 - Comparative Studies in Drama
May be taken more than once when content varies.
3 hrs 3 cr.

COMPL 34000 - Perspectives on Literature and the Arts
May be taken more than once when content varies.
3 hrs 3 cr.

COMPL 34100 - Perspectives on Literature and the Arts
May be taken more than once when content varies.
3 hrs 3 cr.

COMPL 35000 - Comparative Studies in Literary Movements
May be taken more than once when content varies.
3 hrs 3 cr.

COMPL 35100 - Comparative Studies in Literary Movements
May be taken more than once when content varies.
3 hrs 3 cr.

COMPL 37000 - Comparative Studies in Myth and Folklore
May be taken more than once when content varies.
3 hrs 3 cr.

COMPL 37100 - Comparative Studies in Myth and Folklore
May be taken more than once when content varies.
3 hrs 3 cr.

COMPL 38000 - Selected Topics in Comparative Literature
May be taken more than once when content varies.
3 hrs 3 cr.

COMPL 38100 - Selected Topics in Comparative Literature
May be taken more than once when content varies.
3 hrs 3 cr.
COMPL 39000 - Honors Project

prereq: completion of 9 cr. in COMP-prefixed courses
3 hrs3 cr.

COMPL 39100 - Honors Project

prereq: completion of 9 cr. in COMP-prefixed courses
3 hrs3 cr.

Romance Languages: Division I: French

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100 FREN 10200 FREN 20100 FREN 20200), an intensive sequence (FREN 10300 FREN 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.

FREN 10100 - Elementary French I

Language lab mandatory. Not credited without FREN 10200.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
3 hrs3 cr.

FREN 10200 - Elementary French II

Language lab mandatory.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
prereq: FREN 101 or one yr high school French.
3 hrs3 cr.

FREN 10250 - Beginning French Conversation and Cultural Enrichment

Not credited toward language requirement. Conversational practice, cultural texts and activities for second-semester French students.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
coreq: FREN 10200
2 hrs2 cr.

FREN 10300 - Intensive Elementary French

Equivalent to material covered in 10100 and 10200. Language lab mandatory.

There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four
and a course for students who use French as a heritage language.
6 hrs6 cr.

**FREN 20100 - Intermediate French I**

Language lab mandatory.

*There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.*

*prereq: FREN 10200 or two yrs high school French*

3 hrs3 cr.

**FREN 20200 - Intermediate French II**

Language lab mandatory.

*There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.*

*prereq: FREN 2000 or three yrs high school French*

3 hrs3 cr.

**FREN 20300 - Intensive Intermediate French**

Equivalent to material covered in 20100 and 20200. Language lab mandatory.

*There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.*

*prereq: FREN 10200 or two yrs high school French*

6 hrs6 cr.

**FREN 20800 - French for Francophones**

An intermediate-level language course designed for French speakers who have acquired the language in the family, local Francophone communities or abroad. Emphasizes the development of oral and written skills to the advanced level through interviews, readings and writing assignments. Spelling and grammar are also highlighted.

*prereq: intermediate-level ability as determined by dept. exam or interview; perm dept.*

3 hrs3 cr.

**FREN 21100 - Intermediate Grammar and Composition**

Continued study of grammar and syntax, with focus on reading and writing. Intended for French majors and minors.

*prereq: FREN 20200 or equiv.*

3 hrs3 cr.

**FREN 22000 - Advanced French Conversation**

*prereq: FREN 20200 or four yrs high school French*

3 hrs3 cr.
FREN 24100 - Early French Civilization: From Gothic to Revolution

GER 2/C PD/D
Conducted in English; readings in English.
3 hrs 3 cr.

FREN 24200 - Modern French Civilization: From Revolution to Present

GER 2/C PD/D
Conducted in English; readings in English.
There are three options for students beginning French at Hunter. A regular sequence (FREN 10100, 10200, 20100, 20200), an intensive sequence (FREN 10300, 20300) which covers in two semesters material normally covered in four and a course for students who use French as a heritage language.
3 hrs 3 cr.

FREN 25100 - French Literature and the Arts

PD/D
Conducted in English; readings in English and French. Particular attention to theme, image and structure as they may be compared in literary and artistic works.
3 hrs 3 cr.

FREN 25200 - From Symbolism to Surrealism in French Literature

GER 3/A
Conducted in English; readings in English. Impressionist, symbolist, cubist, Dada and surrealists movements in literature and art from the late 19th to 20th century.
3 hrs 3 cr.

FREN 25300 - Modern French Theatre: Theory and Practice

GER 3/A PD/D
4 hrs 3 cr.

FREN 25400 - Film and the French Novel

GER 3/A PD/D
Conducted in English. Truffaut, Godard, Resnais, Robbe-Grillet and others.
3 hrs 3 cr.

FREN 25500 - New Approaches to Modern French Literature

GER 3/A
Conducted in English; readings in French and English. Investigation of various currents of 20th century literary and aesthetic criticism as practiced in France.
3 hrs 3 cr.

FREN 25600 - Dream and Image (W)
GER 3/A
Conducted in English. Analysis of literary representations of dreams. Exploration of the relationship between word and image in French Literature. Such authors as Flaubert, Maupassant, Nerval and Proust.
3 hrs 3 cr.

FREN 25700 - Literary Cross-Currents

Conducted in English. Topics: Interaction of French and Russian literature, of French and American literature; the myth of Germany in French literature; Shakespeare in France; Dante and French literature.  
prereq: reading knowledge of French
3 hrs 3 cr.

FREN 25800 - French Poetry in Translation

Conducted in English. Study of major themes, theories and texts from 16th century to contemporary period.
3 hrs 3 cr.

FREN 25900 - French Theatre in Translation

PD/D  
Conducted in English; readings in English. Development of French theatre from 17th to 20th century. Great plays that have become known in English translation.
3 hrs 3 cr.

FREN 26000 - French Novel in Translation (1600-1900)

PD/D  
Readings in English; conducted in English. Development and evolution of French novel; its relationship to other literary genres.
3 hrs 3 cr.

FREN 26100 - Modern French Novel in Translation (1900-Present)

PD/D  
Conducted in English; readings in English. From Gide and Proust to present.
3 hrs 3 cr.

FREN 26200 - Perspectives on Women in French Literature

GER 3/A PD/C or D  
The representation of women in literary texts from the Middle Ages to the present. Conducted in English. Readings in English translation.

3 hrs 3 cr.

FREN 27500 - Introduction to French Literature
PD/D
Conducted in French. Introduction to literary texts and analysis using outstanding works of French literature in all genres from across centuries. Emphasis on reading comprehension and explication de texte.

*prereq: FREN 20200 or four yrs high school French 3 hrs3 cr.*

**FREN 31100 - Advanced French Grammar**

*prereq: FREN 20200 3 hrs3 cr.*

**FREN 31200 - French Oral and Written Expression**

*prereq: FREN 20200 or equiv. 3 hrs3 cr.*

**FREN 32100 - French Translation**

*prereq: FREN 20200 or equiv. 3 hrs3 cr.*

**FREN 33500 - French Culture I**

PD/D
Main intellectual and artistic currents from the Gauls to the French Revolution. Conducted in French.

*prereq: FREN 20200 or four yrs high school French 3 hrs3 cr.*

**FREN 33600 - French Culture II**

PD/D
Main intellectual and artistic currents from the French Revolution to 1958. Conducted in French.

*prereq: FREN 20200 or four years of high school French 3 hrs3 cr.*

**FREN 33700 - Contemporary French Culture**

Contemporary French civilization and culture from 1958 to the present, as seen in its press. World events observed through the lens of French culture and politics. Comparison of current events coverage by French and U.S. Press.

*prereq: FREN 31100 or 31200 or perm instr. 3 hrs3 cr.*

**FREN 34100 - Survey of French Literature from the Middle Ages to the End of the 17th Century**

GER 3/A PD/D
*prereq: FREN 20200 or four yrs high school French 3 hrs3 cr.*
FREN 34200 - Survey of French Literature from the 18th Century to the Modern Period

GER 3/A PD/D
prereq: FREN 20200 or four yrs high school French
3 hrs 3 cr.

FREN 34300 - Medieval and Renaissance French Literature

GER 3/A PD/D
From medieval epics, lyrical poetry and mystery plays to writers such as See, Du Bellay, Ronsard, Rabelais and Montaigne.

FREN 34100 and 34200 are prerequisite to all courses numbered 34300 and above.
3 hrs 3 cr.

FREN 34400 - 17th Century French Literature

GER 3/A PD/D
Such authors as Boileau, Bossuet, Corneille, Cyrano de Bergerac, La Bruye, Mme de Lafayette, La Fontaine, Malherbe, Moliere, Pascal, Racine, Mme de Sign Saint Simon.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 34600 - 18th Century French Literature

GER 3/A PD/D
Such authors as Beaumarchais, Buffon, Ch'nier, the Encyclopedists, Diderot, Laclos, Marivaux, Montesquieu, Provost, Rousseau, Sade, Voltaire.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 34800 - 19th Century French Literature (1800-1850)

GER 3/A PD/D
Such authors as Balzac, Chateaubriand, Constant, Gautier, Hugo, Lamartine, Musset, Sand, Mme de Sta, Stendhal, Vigny.
FREN 34100 and 34200
3 hrs 3 cr.

FREN 34900 - 19th Century French Literature (1850-1900)

GER 3/A PD/D
Such authors as Barbey durevilly, Barr's, Baudelaire, Daudet, Flaubert, France, Huysmans, Leconte de Lisle, Mallarm, Maupassant, Renan, Rimbaud, Sainte-Beuve, Taine, Verlaine, Villiers de ile-Adam, Zola.
prereq: FREN 34100 and 34200
3 hrs 3 cr.

FREN 35000 - 20th Century French Literature (1900-1950)
Such authors as Apollinaire, Beauvoir, Breton, Claudel, Cocteau, Colette, Gide, Giraudoux, Malraux, Mauriac, Pguy, Proust, Sartre.

**FREN 35100 - Contemporary French Literature (1950-present)**

Such authors as Beckett, Bon, Butor, Camus, Duras, Echenoz, Ernaux, Kolt's, NDiaye, Perec, Redonnet, Robbe-Grillet, Sarraute.

**FREN 35300 - Survey of Francophone Literature**

A study of literature produced in French-speaking regions and nations (other than France) such as North and West Africa, the Caribbean, Vietnam and Quebec.

**FREN 36000 - French Literature: Special Topics**

**FREN 36100 - Middle Ages and the Renaissance: Special Topics**

**FREN 36200 - The 17th Century: Special Topics**

**FREN 36300 - The 18th Century: Special Topics**

**FREN 36400 - The 19th Century: Special Topics**
FREN 36500 - The 20th Century: Special Topics

GER 3/A PD/D
Topics to be offered may include single authors, themes, genres, movements, or approaches.
 prereq: FREN 34100 and 34200
3 hrs3 cr.

FREN 36600 - French Cinema: Special Topics

GER 3/A PD/D
Topics to be offered may concern historical, thematic, or aesthetic issues in French-language cinema
 prereq: FREN 34100 and FREN 34200 or equivalent
4 hrs3 cr.

FREN 37500 - Seminar in French Literary History

GER 3/A PD/D
Readings, discussion and reports.
 prereq: FREN 34100 and 34200; five courses in French major
3 hrs3 cr.

FREN 39900 - Second Language Acquisition

 prereq: at least three courses at the 300 level in the language; ENGL 12000
3 hrs3 cr.

FREN 49100 - Honors Course in French

PD/D
Open to Jr/Sr only. Research in history of French literature.
 prereq: FREN 34400, 34600, 34800; major GPA 3.2, cum GPA 2.8; perm adviser
3 hrs3 cr.

FREN 49500 - Independent Study in French Literature

 prereq: perm adviser
1-3 cr.

Romance Languages, Division II: Italian

ITAL 10100 - Elementary Italian I

Language lab. Not credited without ITAL 10200.
 There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
3 hrs3 cr.
ITAL 10200 - Elementary Italian II

Language lab.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 10100 or one yr high school Italian
3 hrs3 cr.

ITAL 10251 - Elementary Italian Conversation

Not credited toward language requirement. Elementary Italian conversation at the 2nd-semester level.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
coreq: ITAL 10200 or perm instr.
2 hrs2 cr.

ITAL 10300 - Intensive Elementary Italian

Equivalent to material covered in 101 and 102. Language lab mandatory.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.
6 hrs6 cr.

ITAL 20100 - Intermediate Italian I

Language lab mandatory.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 10200 or 2 yrs high school Italian
3 hrs3 cr.

ITAL 20200 - Intermediate Italian II

Language lab mandatory.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.
prereq: ITAL 201 or three yrs high school Italian
3 hrs3 cr.

ITAL 20300 - Intensive Intermediate Italian

Equivalent to material covered in 20100 and 20200. Language lab mandatory.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 10200 or 10300
6 hrs6 cr.

ITAL 22100 - Italian for Oral Communication
A highly interactive course developing oral communication skills in Italian; includes practice in the written language and the study of culture. 

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 20200 or perm dept.
3 hrs3 cr.

ITAL 26000 - Modern Italian Short Story (W)

GER 2/C PD/D
In English. Study of the main literary trends in short story form, including Naturalism, Neorealism, Existentialism and Surrealism.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two.

prereq: ENGL 120 or equiv.
3 hrs3 cr.

ITAL 27500 - Masterpieces of Italian Literature

In English. Selections from Dante to Leopardi. Strongly recommended before taking any 300-level course.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs3 cr.

ITAL 27600 - Dante's Divine Comedy in English (W)

GER 3/A PD/D
Introduction to Dante's Divine Comedy, with particular emphasis on the Inferno.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs3 cr.

ITAL 28000 - The Italian Renaissance: An Introduction

GER 2/C PD/D
In English. An introduction to the literature of the Italian Renaissance and the major humanist figures in art, politics, philosophy and science.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs3 cr.

ITAL 31100 - Advanced Italian Grammar

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 20200 or equiv.
3 hrs3 cr.
ITAL 31200 - Advanced Italian Composition

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two. 
prereq: ITAL 31100 or equiv. 
3 hrs 3 cr.

ITAL 32100 - Italian Translation

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two. 
prereq: ITAL 311 or equiv. 
3 hrs 3 cr.

ITAL 33100 - Italian Phonetics and Diction

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 101, 102, 201, 202) and an intensive sequence (ITAL 103-203) that covers in one semester material normally covered in two. 
prereq: ITAL 202 or equiv. 
3 hrs 3 cr.

ITAL 33400 - Italian Civilization in the Baroque, in English

GER 2/C PD/D
An introduction to the main artistic, philosophical, scientific and literary achievements in Italy in the 17th century. 
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two. 
prereq: ENGL 22000 or AFPL 23500, 23600 or 23700 or any courses in literature in translation 
3 hrs 3 cr.

ITAL 33500 - Italian Culture I

GER 2C
In English. Main intellectual-artistic currents from the 12th to 15th century. 
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two. 
prereq: ENGL 12000 
3 hrs 3 cr.

ITAL 33600 - Italian Culture II

GER 2C
In English. Main intellectual-artistic currents from the 16th to 20th century. 
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two. 
prereq: ENGL 120 
3 hrs 3 cr.

ITAL 33700 - Italian Women Writers from the Middle Ages to the 18th Century, in English
GER 2C PD/C
Study of such writers of prose and poetry as St. Catherine of Siena, La Compiuta Donzella, Veronica Gambara, Gaspara Stampa, Vittoria Colonna, Diodada Saluzzo.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs3 cr.

ITAL 33800 - 19th and 20th Century Italian Women Writers, in English

GER 3/A PD/C
Study of such representative writers as Sibilla Aleramo, Elsa Morante, Natalia Ginzburg, Dacia Maraini, Margherita Guidacci, Maria Luisa Spaziani.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs3 cr.

ITAL 33900 - Italian American Women Writers and Artists: Issues of Identity (W)

GER 3/A PD/C
In English. An active exploration of feminine Italian American identity through literature, film and visual arts.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ENGL 12000
3 hrs3 cr.

ITAL 34100 - Introduction to Italian Literature from the Middle Ages to the 16th Century

GER 3/A
Selections from Dante to Ariosto.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 20200
3 hrs3 cr.

ITAL 34200 - Introduction to Italian Literature from the 16th Century to the Present

GER 3/A PD/D
Selections from Tasso to contemporary writers.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: ITAL 20200
3 hrs3 cr.

ITAL 34300 - Dante’s Vita Nuova and Inferno

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
ITAL 34400 - Dante's Purgatorio and Introduction to Paradiso

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34300
3 hrs 3 cr.

ITAL 34500 - Dante's Paradiso and Major Prose Works

GER 3/A PD/D
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34300
3 hrs 3 cr.

ITAL 34600 - Petrarch, Boccaccio and the Literature of Humanism

GER 3/A PD/D
Il Canzoniere and Il Decamerone.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 34700 - 16th Century Italian Literature

GER 3/A PD/D
Study of such authors as Ariosto, Castiglione, Guicciardini and Machiavelli.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 34800 - 17th and 18th Century Literature

GER 3/A PD/D
Study of such authors as Tasso, Goldoni and Alfieri.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs 3 cr.

ITAL 34900 - The Modern Italian Lyric

GER 3/A PD/D
From Leopardi to contemporaries.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200)
and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 35000 - The Modern Italian Novel

GER 3/A PD/D
Novel from Manzoni to present.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 35100 - The Modern Italian Theatre

GER 3/A
Plays of Goldoni, Manzoni, Alfieri, d'Annunzio, Pirandello, Betti and contemporaries.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs3 cr.

ITAL 35200 - The Italian Novel and Cinema

GER 3 A
Selected works by 20th century writers - in English translation - and the movies they inspired, with particular attention to theme, milieu, perspective, genre, stylistic techniques, and aesthetic results.
prereq: ENGL 22000 or perm. instr.
4 hrs3 cr.

ITAL 36000 - The Middle Ages: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs3 cr.

ITAL 36100 - The Renaissance: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100
3 hrs3 cr.

ITAL 36200 - The 17th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200)
and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 36300 - The 18th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 36400 - The 19th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 36500 - The 20th Century: Special Topics

GER 3/A
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34200
3 hrs 3 cr.

ITAL 37000 - Italian Literature: Special Topics

GER 3/A
Topics to be offered may include individual authors, themes, genres, movements, or approaches.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq or coreq: ITAL 34100 or 34200 (depending on topic)
3 hrs 3 cr.

ITAL 37500 - Seminar in Italian Literary History

Strongly recommended for all Italian majors. Readings, discussion and reports.
There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: ITAL 34100 or 34200
3 hrs 3 cr.

ITAL 39900 - Second Language Acquisition

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.
prereq: at least three courses at the 300 level in the language; ENGL 12000
3 hrs 3 cr.
ITAL 49100 - Honors Course in Italian

Open to Jr/Sr only. Major GPA of 3.2 and cumulative GPA of 2.8.

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: at least five courses in Italian literature and civilization; perm chair
3 hrs3 cr.

ITAL 49500 - Independent Study in Italian Literature

There are two options for students beginning Italian at Hunter: a regular sequence (ITAL 10100, 10200, 20100, 20200) and an intensive sequence (ITAL 10300-20300) that covers in one semester material normally covered in two.

prereq: perm dept. adviser
1-3 cr.

Romance Languages, Division III, Spanish—First-Level Language Courses

Basic language courses offer two options to language study: a) Spanish for English speakers (SPAN 10100 SPAN 10200 SPAN 20100 SPAN 20200 or intensive SPAN 10300 and SPAN 20300); or b) Spanish for native speakers (SPAN 10500 SPAN 10600 SPAN 20700 SPAN 20800)

SPAN 10100 - Elementary Spanish I

Not credited without SPAN 102. Language lab mandatory.

Spanish for English speakers.
3 hrs3 cr.

SPAN 10200 - Elementary Spanish II

Language lab mandatory.

Spanish for English speakers.
prereq: SPAN 10100 or one yr high school Spanish
3 hrs3 cr.

SPAN 10251 - Elementary Spanish Conversation

Elementary Spanish conversation at second semester level. Not credited toward language requirement. Not open to native speakers.

Spanish for English speakers.
coreq: SPAN 102 or perm instr.
2 hrs2 cr.

SPAN 10300 - Intensive Elementary Spanish

Equivalent to material covered in 10100 and 10200. Language lab mandatory.

Spanish for English speakers.
6 hrs6 cr.
SPAN 10500 - Basic Reading and Writing for Native Speakers of Spanish

Spanish for native speakers.
3 hrs 3 cr.

SPAN 10600 - Oral and Written Skills for Native Speakers of Spanish

Spanish for native speakers.
prereq: SPAN 10500 or 20500 or perm dept.
3 hrs 3 cr.

SPAN 20000 - Basic Spanish Review

Designed for students whose study of Spanish has been interrupted for a minimum of four (4) yrs and who wish to continue their study of Spanish. It is not suitable for native or heritage speakers of the language. This course bridges the gap between the high elementary and intermediate levels. It provides grammar review needed for oral and written expression and emphasizes the active use of the language through task-oriented activities and discussion of cultural and literary texts.

Spanish for English speakers.
prereq: dept. placement exam, three yrs high school Spanish or three sems college Spanish
3 hrs 3 cr.

SPAN 20100 - Intermediate Spanish I

Language lab mandatory.

Spanish for English speakers.
prereq: SPAN 10200 or two yrs high school Spanish
3 hrs 3 cr.

SPAN 20200 - Intermediate Spanish II

Language lab mandatory.

Spanish for English speakers.
prereq: SPAN 20100 or three yrs high school Spanish
3 hrs 3 cr.

SPAN 20300 - Intensive Intermediate Spanish

Language lab mandatory.

Spanish for English speakers.
prereq: SPAN 10200, two yrs of high school Spanish or equiv. to material covered in 20100 and 20200
6 hrs 6 cr.

SPAN 20700 - Intermediate Spanish for Native Speakers

Spanish for native speakers.
prereq: SPAN 10600, 20600 or perm dept.
3 hrs 3 cr.

SPAN 20800 - Advanced Spanish for Native Speakers
SPAN 21000 - Spanish for Social Service Fields

Spanish for English speakers.
prereq: SPAN 20100 or equiv.
3 hrs 3 cr.

SPAN 21100 - Spanish Grammar and Composition

Not recommended for fluent speakers of Spanish. Study of grammatical and syntactical patterns. Practice in reading, writing and speaking Spanish.
prereq: SPAN 20200 or 20300
3 hrs 3 cr.

SPAN 21200 - Spanish for Classroom Communication

prereq: SPAN 20100 or equiv.
3 hrs 3 cr.

SPAN 22100 - Spanish for Oral Communication

Not for fluent Spanish speakers.
prereq: SPAN 20200 or equiv. and perm adviser
3 hrs 3 cr.

SPAN 27000 - Spanish Composition for Spanish Speaking Students

prereq: SPAN 20800 or perm adviser
3 hrs 3 cr.

SPAN 27500 - Readings in Modern Spanish Literature

PD/D
Representative writers: Unamuno, Lorca, Cela.
prereq: SPAN 20200, 20300, 20800, 21100 or four yrs high school Spanish or dept. perm
3 hrs 3 cr.

SPAN 27600 - Readings in Modern Spanish- American Literature
Representative writers: Borges, Neruda, Cortazar, Garcia Mirquez.

prereq: SPAN 20200, 20300, 20800, 21100 or four yrs high school Spanish or dept. perm.
3 hrs 3 cr.

**Romance languages, Division III, Spanish—Third-level Courses**

Third-level courses are designed for students who want to major in Spanish or are highly qualified and are accepted by the Spanish adviser. SPAN 31100 SPAN 31200 SPAN 31300 SPAN 31400 SPAN 31500 are designed to prepare students to write professionally. SPAN 31100 and SPAN 31200 are required for all Spanish majors and recommended for other qualified students who have completed first-level courses.

**SPAN 31100 - The Structure of Modern Spanish**

prereq: SPAN 20200, 20300, 20800, 21100 or equiv.
3 hrs 3 cr.

**SPAN 31200 - Advanced Spanish Writing**

Applying morphosyntactical patterns through intensive composition. Exploration of various writing forms. Required of all Spanish majors.
prereq: SPAN 31100 or equiv.
3 hrs 3 cr.

**SPAN 31300 - Spanish Stylistics**

Practice in Spanish writing through stylistic analysis of poetic and narrative structures and the relationship of text and context.
prereq: ENGL 12000; SPAN 31100, 31200, 34100, 34200
3 hrs 3 cr.

**SPAN 31400 - Spanish Writing Workshop I: Poetry**

Creative self-expression in Spanish through writing poetry.
prereq: ENGL 12000; SPAN 31100, 31200, 31300, 34100, 34200
3 hrs 3 cr.

**SPAN 31500 - Spanish Writing Workshop II: Narrative**

Creative self-expression in Spanish through writing narrative.
prereq: ENGL 12000; SPAN 31100, 31200, 31300, 34100, 34200
3 hrs 3 cr.

**SPAN 32100 - Spanish Translation**

prereq: SPAN 31100, 31200; ENGL 12000

**SPAN 33500 - Spanish Civilization**
GER 3/A PD/D
prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

SPAN 33600 - Latin American Civilization

GER 3/A
Geographical, historical, political, literary, artistic and economic evolution of Latin American nations. Given in Spanish.
prereq: SPAN 20800, 21100 or dept. perm
3 hrs3 cr.

SPAN 34100 - Introduction to Hispanic Literature I

GER 3/A PD/D
Prerequisite or corequisite to most courses in major sequence. Basic interpretive and research skills for Spanish majors and other qualified students through study of key works of Spanish and Spanish-American authors.
prereq or coreq: SPAN 31100 or dept. perm
3 hrs3 cr.

SPAN 34200 - Introduction to Hispanic Literature II

GER 3/A PD/D
prereq: SPAN 34100
3 hrs3 cr.

SPAN 34300 - Spanish Literature of the Middle Ages

GER 3/A PD/D
After exploring Al Andalus’ poetry, prose and philosophy written by Muslim and Jewish authors; the Castilian epic Poema de Mío Cid, the beginning of the Christian cult of Virgin Mary (Milagros de Nuestra Señora), the origins of the short stories (Libro de Conde Lucanor), and the elegy will be studied. Special attention will be given to the position of women since the 12th Century, especially in Libro de buen amor.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 34500 - Spanish Drama of the Golden Age

GER 3/A PD/D
Theatre of 16th and 17th centuries, Lope de Vega and Calderon.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 34600 - Cervantes

GER 3/A PD/D
Don Quijote.
prereq: SPAN 34100
3 hrs3 cr.
SPAN 34900 - Spanish Prose of the Golden Age

GER 3/A PD/D
Principal themes and genres of prose production in Spain in the 16th and 17th centuries, with emphasis on such authors as Rojas, Santa Teresa, Cervantes, Zayas and Quevedo.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35000 - Spanish Poetry of the Golden Age

GER 3/A PD/D
Principal forms and issues of poetic composition in Spain in the 16th and 17th centuries, with emphasis on major poets such as Garcilaso, Fray Luis, San Juan de la Cruz, Lope, Quevedo and Góngora.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35300 - Spanish Neoclassicism and Romanticism

GER 3/A PD/D
Representative works of Neoclassical and Romantic periods, including costumbrismo.

prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35500 - Spanish Literature from Realism to World War I

GER 3/A PD/D
From Realism and Naturalism through the Generation of 1898 and Modernism.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35700 - Early 20th Century Spanish Literature

GER 3/A PD/D
Presentation of the major writers and works of the first 40 years of 20th century Spanish literature.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 35800 - Post-Civil War Spanish Literature

GER 3/A PD/D
Major trends and writers since the Spanish Civil War, with particular attention to the social, cultural and political context.
prereq: SPAN 34100
3 hrs 3 cr.

SPAN 36000 - Spanish-American Literature of the Colonial Period
GER 3/A  
Masterpieces from the 16th to the late 18th centuries; from the age of exploration to the period of independence.  
\textit{prereq: SPAN 34100}  
3 hrs 3 cr.

**SPAN 36200 - Spanish-American Romanticism, Realism and Naturalism**

GER 3/A  
Representative works of 19th century Spanish-American literature.  
\textit{prereq: SPAN 34100}  
3 hrs 3 cr.

**SPAN 36400 - Spanish-American Modernism and Post-modernism**

GER 3/A  
Modernist and post-modernist authors.  
\textit{prereq: SPAN 34100}  
3 hrs 3 cr.

**SPAN 36500 - Survey of Spanish-American Teatro**

GER 3/A  
Survey of major trends in Spanish-American dramatic literature from colonial days to the present, with emphasis on the second half of the 20th century.  
\textit{prereq: SPAN 34100}  
3 hrs 3 cr.

**SPAN 36600 - Contemporary Latin American Poetry**

GER 3/A  
Major trends, such as Vanguardia, Brazilian Modernismo, Caribbean poetry, Anti-Poetry, Exteriorismo and popular poetry.  
\textit{prereq: SPAN 34100}  
3 hrs 3 cr.

**SPAN 36700 - Latin American Essay**

GER 3/A  
Exploration of the essay as an aesthetic form and its role in the social and cultural struggles that have marked Latin-American history.  
\textit{prereq: SPAN 34100}  
3 hrs 3 cr.

**SPAN 36800 - Contemporary Latin American Narrative**

GER 3/A  
Major trends, such as the Indianist novel, Mexican Revolution, social and psychological realism, novel of the 'boom', novel of the dictator.  
\textit{prereq: SPAN 34100}  
3 hrs 3 cr.
SPAN 37400 - Contemporary Literature and Film

GER 3/A

 Conducted in Spanish. Analysis of contemporary novels from Latin America and Spain and the films based upon them. 
_prereq: SPAN 34100 or instructor permission
3 hrs 3 cr.

SPAN 37600 - Time, Love and Death in Spanish Poetry from the Middle Ages to the Postmodern Age

This course, taught in Spanish, focuses on three poetic themes (time, love and death) and on the relationship between an epoch and its literary styles. It is designed for advanced students and entails the study of poems from pre-modern, modern and post-modern times. The course also explores theoretical issues related to the Romantic revolution and post-modernity.
_prereq: SPAN 34100, 34200
3 hrs 3 cr.

Romance Languages, Division III: Spanish—Translation and Interpretation Courses

SPAN 38000 - Introduction to Translation and Interpretation Studies

Provides an introduction to basic concepts and techniques of translation and interpretation and develops a systematic approach to resolving language transference problems.
_prereq: SPAN 31100 and 31200
3 hrs 3 cr.

SPAN 38100 - Translation from Spanish into English

Develops proficiency in translating from Spanish into English. The student will work with a variety of general Spanish texts and develop skills for analyzing and rendering them accurately into English. In addition, s/he will examine the best ways to handle idiomatic expressions, tenses and other complex grammatical structures. S/he will become familiar with the relevant terminology and theoretical issues, as well as learn how to select and evaluate dictionaries and other research materials.
_prereq: SPAN 38000
3 hrs 3 cr.

SPAN 38200 - Consecutive Interpretation Spanish-English/English-Spanish

An overview of the principles of consecutive interpretation.
_prereq: SPAN 38000
3 hrs 3 cr.

SPAN 38300 - Translation from English into Spanish
Reinforces the basic principles of translation taught in SPAN 3800 with more advanced texts, and adds a special emphasis on style and the specific demands of certain categories of texts, as well as theoretical discussion regarding choices in translation.

**SPAN 38000 - Simultaneous Interpretation Spanish-English**

Designed so that students may begin working directly on the skills, protocol and practice of simultaneous interpretation, analyze in detail its processes, and review the settings in which it is used.

**SPAN 39000 - Translation and Interpretation for the Professions**

This series of courses will focus each semester on a different professional area, such as legal, medical, business, technical-scientific, social, and literary translation.

**SPAN 39100 - Internship in Translation**

Students who have completed the 39000 sequence of courses and have maintained an average of B+ or better are encouraged to take advantage of this internship. It consists of 70 hours of practical work in translation for a financial institution, law firm, translation agency, the United Nations, or other organization. In addition, the student must attend regularly scheduled meetings with the professor supervising the internship in order to discuss issues and problems in the real world of professional translation.

**SPAN 39200 - Internship in Interpretation**

Students who have completed the 39000 sequence of courses and have maintained an average of B+ or better are encouraged to take advantage of this internship to train them in real-world interpreting skills in the context of court interpreting, parliamentary procedure, diplomatic etiquette, conference organization, etc. This internship consists of 70 hours of practical work in interpretation as well as frequent meetings with the professor supervising the internship in order to discuss issues and problems in the real world of professional interpretation.

**Romance Languages, Division III: Spanish—Spanish Courses taught in English**

These courses are designed for students who want to become acquainted with Spanish culture. They cannot be credited toward the major and are not recommended for the minor.
SPAN 24100 - Civilization of Spain, in English

GER 2/C PD/D
An integrated presentation of Spanish civilization, combining historical with literary and other cultural aspects.

prereq: ENGL 12000
3 hrs 3 cr.

SPAN 26300 - Contemporary Spanish-American Literature in Translation

Taught in English. This course is designed for students who want to become acquainted with Spanish culture. Cannot be credited toward the major and are not recommended for the minor.

prereq: ENGL 12000
3 hrs 3 cr.

SPAN 26400 - Contemporary Spanish Literature in Translation

Cela, Lorca, Unamuno, Ortega y Gasset.

Taught in English. This course is designed for students who want to become acquainted with Spanish culture. Cannot be credited toward the major and are not recommended for the minor.

prereq: ENGL 12000
3 hrs 3 cr.

SPAN 26500 - Don Quixote (in English translation) (W)

GER 3/A PD/D
Commentary and analysis of Cervantes' novel in its entirety, read in English translation. Examination of its main themes within the sociohistorical and literary contexts, as well as its essential role in the development of the modern novel.

Writing Intensive

prereq: ENGL 12000
3 hours 3 credits

SPAN 26500 - Don Quixote in English Translation

GER 3/A PD/D
Conducted in English. Commentary and analysis of Cervantes' novel in its entirety in English translation. Examination of its main themes within their socio-historical and literary contexts, as well as its essential role in the development of the modern novel.

prereq or coreq: ENGL 12000
3 hrs 3 cr.

SPAN 26900 - Spanish American Women's Literature and Cinema (W)

GER 3/A PD/A or C
Conducted in English. An interdisciplinary approach to contemporary women's literature and cinema from Spanish America focusing on gender issues.

Taught in English. This course is designed for students who want to become acquainted with Spanish culture. Cannot be credited toward the major and are not recommended for the minor.
cross-listed WGS 26900
prereq: ENGL 12000
3 hrs3 cr.

SPAN 33100 - Spanish Phonetics and Diction

Third-level courses are designed for students who want to major in Spanish or are highly qualified and are accepted by the Spanish adviser. SPAN 31100-31500 are designed to prepare students to write professionally. SPAN 31100 and 31200 are required for all Spanish majors and recommended for other qualified students who have completed first-level courses.
prereq: SPAN 20200 or equiv.
3 hrs3 cr.

Romance Languages, Division III: Spanish—Special Topics and Honors

SPAN 37000 - Special Topics in Spanish Literature

GER 3/A PD/D
May be repeated with different topic.
prereq: SPAN 34100; permission of adviser.
3 hrs3 cr.

SPAN 37100 - Special Topics in Spanish- American Literature

GER 3/A
May be repeated with different topic.
prereq: SPAN 34100; permission of adviser.
3 hrs3 cr.

SPAN 37300 - Problems in Criticism

GER 3/A
Major trends in contemporary literary theory and criticism.
prereq: SPAN 34100
3 hrs3 cr.

SPAN 37500 - Seminar in Spanish Literary History

GER 3/A PD/D
Recommended for seniors. Readings, discussion and reports.
prereq: SPAN 34100, 34200
3 hrs3 cr.

SPAN 39900 - Second Language Acquisition
**SPAN 49100 - Honors Course in Spanish: Special Studies in Contemporary Latin American Literature**

Open to Jr/Sr only. Group meetings, conferences, oral and written reports.

*prereq: major GPA of 3.2, cum GPA of 2.8; perm adviser*

3 hrs 3 cr.

**SPAN 49200 - Honors Course in Spanish: Special Studies in Spanish Literature**

Jr/Sr only. Group meetings, conferences, oral and written reports.

*prereq: major GPA of 3.2, cum GPA of 2.8; perm adviser*

3 hrs 3 cr.

**SPAN 49500 - Independent Study in Hispanic Literature**

PD/D

*prereq: perm dept.*

1-3 cr.

**Programs and Courses in Sociology**

**Sociology**

**About the Department**

A major in sociology provides the undergraduate with the opportunity to gain a distinct intellectual perspective and a method of inquiry. By continually testing conventional wisdom against evidence, the study of sociology encourages the development of critical judgment. By routinely considering the matrix of social and cultural facts, such study can lead students to an understanding of the conditions under which social facts emerge, and the consequences they have for individuals, groups, societies and social institutions. It can also help students better understand their own roles in the array of social institutions in which they are entwined.

Our courses provide a foundation for the student who desires to pursue advanced graduate studies in sociology leading to teaching positions. The department offers a wide range of specialties offering students flexibility in their choice of PhD programs. A major in sociology also helps to prepare students for many careers: social research, marketing, media, and other fields in the private sectors, as well as law, civil service and public policy, social work, the health professions, personnel work and other human-service areas.

Majors are encouraged to develop skills in observation, interviewing, and other data-collection techniques; data processing; statistical and content analysis; and trend analysis — all marketable skills in many career lines.

**Programs and Courses**

Programs and Courses in Sociology
Administration and Faculty

Department Office:

1622 West
(212) 772-5585/5244
fax: (212) 772-5645
Web site: http://maxweber.hunter.cuny.edu/socio

Chair:

Charles Green
1622 West
212 772-5635
E-mail: cgreen@hunter.cuny.edu

Advising Office:

1619 Hunter West
(212) 772-5576
Fax: (212) 772-5645

Graduate Advising:

1601 Hunter West
(212) 772-5580

Presocial Work:

1603 Hunter West
(212) 772-5583
E-mail: socadvis@hunter.cuny.edu

Faculty

Sociology Faculty

HEGIS Code: 2208

Undergraduate Major

Sociology - BA

Major

The department recommends a GPA of at least 2.3 when declaring the major. Prospective majors should also have already taken several sociology courses at Hunter.
In addition to the following, the sociology major consists of 27 credits

**SOC 10100 - Introduction to Sociology**

GER 2/B
Development of sociological imagination through introduction and application of basic concepts incorporating global and comparative perspectives.
3 hrs3 cr.

Six of these credits must include

**SOC 24000 - Introduction to Research Methods**

GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.
prereq: SOC 10100
3 hrs3 cr.

**SOC 24100 - Social Statistics**

GER 3/B
Application of elementary statistical techniques. Introduction to statistical inference and sampling theory.
prereq: SOC 10100
3 hrs3 cr.

Six credits must be in

**SOC 22100 - Classical Sociological Theory**

GER 3/B PD/D
Classical theorists and their contributions.
prereq: SOC 10100
3 hrs3 cr.

**SOC 22300 - Current Sociological Theory**

GER 3/B
Significance of concepts and nature of evidence applied to leading theories. Theory construction.
prereq: SOC 10100, SOC 22100, major
3 hrs3 cr.

Of the remaining 15 credits, at least 6 must be in courses at the 300 level or above.

No more than 3 credits from the following may be used to satisfy this requirement.

**SOC 33100 - Field Placement in Social Work Agencies**
GER 3/B
Supervised work in social service agency, weekly seminar, preparation of weekly assignments and term paper.

prereq: SOC 10100, perm instr.

8 hrs per week3 cr.

**SOC 33200 - Advanced Field Placement in Social Work Agencies**

GER 3/B
Supervised work in social service agency, weekly seminar, agency-based research project.

prereq: SOC 10100, SOC 33100 or documented equiv. experience in social work agency, perm instr.

8 hrs per week3 cr.

**SOC 37101 - Independent Study**

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.

prereq: SOC 10100, perm instr.

1 hr1 cr

**SOC 37200 - Independent Study**

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.

prereq: SOC 10100, perm instr.

3 cr. each sem

**SOC 47100 - Honors/Independent Study**

GER 3/B
Advanced independent research project under direction of full-time member of department.

prereq: SOC 10100, perm instr.

3 cr. each sem

**SOC 47200 - Honors/Independent Study**

GER 3/B
Advanced independent research project under direction of full-time member of department.

prereq: SOC 10100, perm instr.

3 cr. each sem

**SOC 49800 - Internship**

GER 3/B
Open to advanced majors only. Placement of qualified sociology majors off campus in professional nonsocial service internship settings. Credits are based on analytic internship report, number of hours worked and by written evaluation by agency/company intern supervisor.

prereq: SOC 22100 or 22300 and SOC 24000; major; perm supervising full-time faculty

hrs TBA3-6 cr.
Minor

Students choosing to minor in sociology should consult a sociology adviser to determine their selection of courses. Students minoring in sociology must take

**SOC 10100 - Introduction to Sociology**

GER 2/B
Development of sociological imagination through introduction and application of basic concepts incorporating global and comparative perspectives.
3 hrs 3 cr.

and

**SOC 22100 - Classical Sociological Theory**

GER 3/B PD/D
Classical theorists and their contributions.
prereq: SOC 10100
3 hrs 3 cr.

as well as one additional course on the 200-level and one recommended on the 300-level

Special Programs

The COR Program

The departments of psychology, anthropology, and sociology jointly offer a program called COR (Career Opportunities in Research and Education). This interdisciplinary research training program for talented minority juniors and seniors is funded by the National Institute of Mental Health. Participants receive a monthly stipend, tuition and fee remittance; they take a special curriculum, and get individualized research training in a variety of areas under the supervision of a faculty mentor. The program has several levels of participation, and all minority students - especially freshmen and sophomores - intending to pursue a research-related career in the participating disciplines are urged to register with the program. Additional details and descriptive literature are available from the COR program adviser.

Independent Study

Students may pursue independent study through

**SOC 37101 - Independent Study**

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.
prereq: SOC 10100, perm instr.
1 hr 1 cr

**SOC 37200 - Independent Study**
GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.

_prereq: SOC 10100, perm instr.
3 cr. each sem

_or

**SOC 47100 - Honors/Independent Study**

GER 3/B
Advanced independent research project under direction of full-time member of department.

_prereq: SOC 10100, perm instr.
3 cr. each sem

**SOC 47200 - Honors/Independent Study**

GER 3/B
Advanced independent research project under direction of full-time member of department.

_prereq: SOC 10100, perm instr.
3 cr. each sem

**Additional Information**

These options allow students to initiate and carry out a course of study of their own choosing under the guidance of a full-time faculty sponsor. Students must have a written proposal and a general plan of study to submit to the potential faculty mentor.

**Honors**

In order to graduate with departmental honors in sociology, students must have a 3.0 GPA overall and a 3.5 GPA in sociology; at least 21 of the credits toward the major should have been courses taken at Hunter College.

**Students must complete either an Honors Seminar**

**SOC 47300 - Honors Seminar**

GER 3/B
Honors paper.

_prereq: SOC 10100, perm instr.
3 cr. each sem

**SOC 47400 - Honors Seminar**

GER 3/B
Honors paper.

_prereq: SOC 10100, perm dept.
3 cr. each sem

or an Honors Independent Study
SOC 47100 - Honors/Independent Study

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47200 - Honors/Independent Study

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

or a graduate course

SOC 42500 - Seminar in Selected Problems of Sociology

GER 3/B
Advanced seminar: reading, discussion, and papers on significant problems in sociology and in applied social research; in most cases cross-listed with graduate social research course or seminar.
prereq: SOC 10100, perm instr.
3 hrs3 cr

Additional Information

Students whose GPAs are within this range are urged to consult their adviser before planning senior year programs of study, since honors seminars are generally offered only once per year, usually in the fall semester. In addition, students qualifying for departmental honors are eligible for membership in Alpha Kappa Delta, the International Sociology Honor Society. See adviser for more information.

Internships

Provided students secure approval of a full-time faculty member, internships can be carried out for 3 to 6 credits in the areas of marketing, media, and politics, with other areas provided faculty supervision can be secured. Interested students must meet the requirements listed under the SOC 49800 entry.

Awards

The Department of Sociology offers two prestigious awards to outstanding students in sociology and applied social research. The Norman Hecht Award of up to $300 is provided on an irregular basis for the best research concept developed by an undergraduate or graduate student studying applied social research. It can be granted to an individual student or a group of students. Once a year at the end of the spring term the Benjamin Ringer Award, carrying a cash stipend of $100, is granted for the best undergraduate paper in the areas of ethnic and race relations. The endowed Rosalyn Tough Award is granted with a cash stipend to outstanding sociology or social research students. Two Suzanne Keller Awards with a stipend of $250 each are granted at the end of the academic year. One goes to the graduating
sociology major with the best academic record. The second Keller award is given to the best BA/MS graduate entering the field of applied social research. The annual Chicago Award with a $100 stipend is given to a work-study student or research assistant whose contribution to a faculty member’s work is acknowledged in the faculty member’s publication. For more information about the awards contact the departmental advisers.

Career Opportunities

Applied Social Research

Students interested in careers in research-related fields such as media and marketing research, policy analysis and evaluation, advertising, consumer behavior, and public opinion polling, as well as students who are contemplating graduate studies in sociology, are encouraged to gain research experience through selected coursework and independent research carried out under faculty supervision.

In addition to the following, which are required for the major,

**SOC 24000 - Introduction to Research Methods**

GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.

*prereq: SOC 10100
3 hrs 3 cr.*

**SOC 24100 - Social Statistics**

GER 3/B
Application of elementary statistical techniques. Introduction to statistical inference and sampling theory.

*prereq: SOC 10100
3 hrs 3 cr.*

Students interested in research should consider

**SOC 35000 - Qualitative Research Methods (W)**

GER 3/B
An introduction to the most prevalent qualitative research approaches used in applied social research and sociology, including documentary analysis, participatory observation, ethnography, in-depth interviews, focus groups and related methods.

*prereq: SOC 22100 or 22300
3 hrs 3 cr.*

Select electives from the following:

**SOC 25900 - Mass Media, Communication and Public Opinion (W)**
GER 3/B
Impact of mass media on public opinion and government action.
*prereq: SOC 10100 ENGL 12000*  
3 hrs 3 cr.

**SOC 31100 - Population Dynamics**

GER 3/B  
Comparative analysis of fertility, mortality, migration trends, and related social factors.  
*prereq: SOC 10100*  
3 hrs 3 cr.

**SOC 31300 - Consumer Behavior**

GER 3/B  
Individual and social perspectives on consumer decision making. Social patterns of consumption and consumer social movements.  
*prereq: SOC 10100*  
3 hrs 3 cr.

**SOC 36300 - Social Change**

GER 3/B  
Process of development of institutions, communities, and nations.  
*prereq: SOC 10100*  
3 hrs 3 cr.

**SOC 44100 - Advanced Research Methods**

GER 3/B  
Evaluates strategies and instruments available to sociologists such as socio-geographic mapping.  
*prereq: SOC 24000, 24100*  
3 hrs 3 cr.

**Additional Information**

The department has also participated in a number of programs that place qualified minority students in summer research internships at leading universities. See advisers for more information.

**Social Work**

Students interested in careers in social work or other human services are strongly encouraged to consult the pre-social work adviser (Prof. Poppendieck, Room 1603 Hunter West, (212) 772-5583, jpoppend@hunter.cuny.edu). The presocial work advising office offers information about graduate study in social work as well as help with program planning.

**Pre-social work**

Pre-social work students without work experience in the human services should plan to take the following courses that provide supervised field experience.
**SOC 33100 - Field Placement in Social Work Agencies**

GER 3/B
Supervised work in social service agency, weekly seminar, preparation of weekly assignments and term paper.

*prereq: SOC 10100, perm instr.*

8 hrs per week 3 cr.

**SOC 33200 - Advanced Field Placement in Social Work Agencies**

GER 3/B
Supervised work in social service agency, weekly seminar, agency-based research project.

*prereq: SOC 10100, SOC 33100 or documented equiv. experience in social work agency, perm instr.*

8 hrs per week 3 cr.

Ideally, this coursework should be completed by the end of the junior year, and students must meet with the instructor in the previous semester to arrange a placement.

**Directly related to social work**

While virtually all sociology courses are relevant to the practice of social work, several courses are directly related to social work

**SOC 23100 - Introduction to Social Work Profession**

GER 3/B
Introduction to and critical analysis of the social work profession in American society.

*prereq: SOC 10100*

3 hrs 3 cr.

**SOC 23500 - Community Organization and Action**

GER 3/B
Evaluation of specific local and national action programs.

*prereq: SOC 10100*

3 hrs 3 cr.

**SOC 23700 - Social Welfare Policy**

GER 3/B
Development of welfare institutions. Consequences of welfare services for client and community.

*prereq: SOC 10100*

3 hrs 3 cr.

**SOC 23900 - Child Welfare (W)**

GER 3/B
Historical and contemporary perspectives on the impact of poverty on children and the social policies that deal with it.

*cross-listed WGS 23900 (W)*
Graduate Courses

Qualified undergraduates seeking more advanced or specialized work may, with the permission of the instructor, be permitted to take graduate courses. Consult the graduate catalog for course listings.

Major Areas of Study

Students may design their own areas of concentration but they are not required to do so.

1. Interpersonal Processes and Relations

**SOC 20100 - The Family**

GER 3/B PD/C
Family functions and interaction. Factors affecting stability and instability.
cross-listed WGS 22300
prereq: SOC 10100
3 hrs 3 cr.

**SOC 25100 - Interpersonal Behavior**

GER 3/B
Study of interactional processes and the emergence and maintenance of selves and identities.
prereq: SOC 10100
3 hrs 3 cr.

**SOC 25300 - Deviance and Social Control**

GER 3/B
Theories of causation and analysis of particular types of deviance: sexual, criminal, political.
prereq: SOC 10100
3 hrs 3 cr.

2. Social Inequality

**SOC 21700 - Race and Ethnicity**

GER 3/B PD/B
Dominant-subordinate relations among selected groups: Asians, Blacks, Hispanics, Jews, Indians, White ethnics.
prereq: SOC 10100
3 hrs 3 cr.

**SOC 21800 - Social Inequality**
GER 3/B
Examination of social inequality in contemporary society from various empirical and theoretical perspectives focusing on class, ethnic, gender, and other determinants of stratification.
prereq: SOC 10100
3 hrs 3 cr.

SOC 21900 - American Society (W)
GER 3/B
Analysis of social structures and culture of the contemporary USA.
prereq: SOC 10100, ENGL 12000
3 hrs 3 cr.

SOC 25700 - Sex and Gender Roles
GER 3/B PD/C
Sex role differentiation: femininity, masculinity, marriage, child rearing.
cross-listed WGS 25700
prereq: SOC 10100
3 hrs 3 cr.

SOC 31700 - Class, Status, and Power
GER 3/B
Inquiry into the empirical and conceptual relation between the fundamental sociological constructs of 'class', 'status', and 'power' through a case study of the upper class in the United States. Review of current research and relevant theoretical approaches.
prereq: SOC 10100
3 hrs 3 cr.

3. Social Welfare and Policy

SOC 23100 - Introduction to Social Work Profession
GER 3/B
Introduction to and critical analysis of the social work profession in American society.
prereq: SOC 10100
3 hrs 3 cr.

SOC 23500 - Community Organization and Action
GER 3/B
Evaluation of specific local and national action programs.
prereq: SOC 10100
3 hrs 3 cr.

SOC 23700 - Social Welfare Policy
GER 3/B
Development of welfare institutions. Consequences of welfare services for client and community.
SOC 23900 - Child Welfare (W)

GER 3/B
Historical and contemporary perspectives on the impact of poverty on children and the social policies that deal with it. 
cross-listed WGS 23900 (W)  
prereq: SOC 10100, ENGL 12000  
3 hrs 3 cr.

4. International Studies

SOC 31300 - Consumer Behavior

GER 3/B  
Individual and social perspectives on consumer decision making. Social patterns of consumption and consumer social movements. 
prereq: SOC 10100  
3 hrs 3 cr.

SOC 31800 - Sociology of Human Rights in Latin America

GER 3/B  
Types of societies in which human rights are respected or violated with special emphasis on Latin American regimes in 
the last two decades. Human rights and diversity the rights of women and minorities. Movements to protect human 
rights. The emphasis is on actual social conditions which foster or impede the observance and protection of human 
rights. 
prereq: SOC 10100  
3 hrs 3 cr.

SOC 36100 - Development and Modernization (W)

GER 3/B PD/A  
Examinations of models of social change with a special focus on developing countries. 
prereq: SOC 10100  
3 hrs 3 cr.

SOC 36200 - Sociology of Islam (W)

GER 3/B  
Introduction to Islam as religion and culture with emphasis on how misconceptions have permeated our understanding 
of Islam. Analysis from a historical perspective which serves as a framework for comprehending Islam's dogma, rituals, 
and legal system. 
prereq: SOC 10100  
3 hrs 3 cr.

5. Applied Social Research

SOC 24000 - Introduction to Research Methods
GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.

*prereq: SOC 10100
3 hrs 3 cr.*

**SOC 24100 - Social Statistics**

GER 3/B
Application of elementary statistical techniques. Introduction to statistical inference and sampling theory.

*prereq: SOC 10100
3 hrs 3 cr.*

**SOC 31100 - Population Dynamics**

GER 3/B
Comparative analysis of fertility, mortality, migration trends, and related social factors.

*prereq: SOC 10100
3 hrs 3 cr.*

**SOC 31300 - Consumer Behavior**

GER 3/B
Individual and social perspectives on consumer decision making. Social patterns of consumption and consumer social movements.

*prereq: SOC 10100
3 hrs 3 cr.*

**SOC 34100 - Research Practicum**

GER 3/B
Evaluates strategies and instruments available to sociologists such as socio-geographic mapping.

*prereq: SOC 24000, 24100
3 hrs 3 cr*

**SOC 35000 - Qualitative Research Methods (W)**

GER 3/B
An introduction to the most prevalent qualitative research approaches used in applied social research and sociology, including documentary analysis, participatory observation, ethnography, in-depth interviews, focus groups and related methods.

*prereq: SOC 22100 or 22300
3 hrs 3 cr.*

6. Theory

**SOC 22100 - Classical Sociological Theory**

GER 3/B PD/D
Classical theorists and their contributions.
prereq: SOC 10100
3 hrs 3 cr.

SOC 22300 - Current Sociological Theory

GER 3/B
Significance of concepts and nature of evidence applied to leading theories. Theory construction.
prereq: SOC 10100, SOC 22100, major
3 hrs 3 cr.

7. Fieldwork and Experiential Learning

SOC 33100 - Field Placement in Social Work Agencies

GER 3/B
Supervised work in social service agency, weekly seminar, preparation of weekly assignments and term paper.
prereq: SOC 10100, perm instr.
8 hrs per week 3 cr.

SOC 33200 - Advanced Field Placement in Social Work Agencies

GER 3/B
Supervised work in social service agency, weekly seminar, agency-based research project.
prereq: SOC 10100, SOC 33100 or documented equiv. experience in social work agency, perm instr.
8 hrs per week 3 cr.

SOC 37101 - Independent Study

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.
prereq: SOC 10100, perm instr.
1 hr 1 cr

SOC 37200 - Independent Study

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47100 - Honors/Independent Study

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47200 - Honors/Independent Study
GER 3/B
Advanced independent research project under direction of full-time member of department.
_prereq: SOC 10100, perm instr._
3 cr. each sem

SOC 49800 - Internship

GER 3/B
Open to advanced majors only. Placement of qualified sociology majors off campus in professional nonsocial service internship settings. Credits are based on analytic internship report, number of hours worked and by written evaluation by agency/company intern supervisor.
_prereq: SOC 22100 or 22300 and SOC 24000; major; perm supervising full-time faculty hrs TBA3-6 cr.

Undergraduate Major/Graduate Major

Sociology/Social Research - Accelerated BA/MS

Five-Year BA/MS Program

For a limited number of qualified students, the department offers an accelerated five-year program leading to a BA in sociology and an MS in social research. The program requires a total of 145 credits of college work (100 undergraduate, 45 graduate), a three month full-time supervised research internship in a non-academic setting (or part-time for six months), and a research paper. In order to be admitted to the program, students must complete their basic requirements, pass an honors course (independent study or honors seminar), and meet the requirements of the MS program as outlined in the graduate catalog except for the GRE examination. Undergraduate students are typically admitted to the program toward the end of their junior year when they have completed 100 credits and they begin their graduate work at the beginning of their senior year. Interested students should consult the program’s adviser at the earliest possible date.

Philosophy: Introductory Courses

SOC 10100 - Introduction to Sociology

GER 2/B
Development of sociological imagination through introduction and application of basic concepts incorporating global and comparative perspectives.
3 hrs3 cr.

Sociology: Lower Division

SOC 20100 - The Family
GER 3/B PD/C
Family functions and interaction. Factors affecting stability and instability.
*cross-listed* WGS 22300
*prereq*: SOC 10100
3 hrs 3 cr.

**SOC 20300 - Education**

GER 3/B
Education viewed cross-culturally and historically. Schools and colleges as social systems.
*prereq*: SOC 10100
3 hrs 3 cr.

**SOC 20500 - Religion**

GER 3/B
Comparative study of religion in human societies. Analysis of beliefs, myths and sacred attitudes.
*prereq*: SOC 10100
3 hrs 3 cr.

**SOC 20900 - Arts in Modern Society**

GER 3/B
Art as a universal social institution and as the expression of symbolic world of cultural life.
*prereq*: SOC 10100
3 hrs 3 cr.

**SOC 21100 - Urban Sociology**

GER 3/B
The relationships of space and society, with special attention to the nature and problems of urban life.
*prereq*: SOC 10100
3 hrs 3 cr.

**SOC 21300 - Political Sociology**

GER 3/B
Power, authority, political ideologies, and patterns of participation. Articulation and resolution of political issues in contemporary societies in the context of globalization.
*prereq*: SOC 10100
3 hrs 3 cr.

**SOC 21700 - Race and Ethnicity**

GER 3/B PD/B
Dominant-subordinate relations among selected groups: Asians, Blacks, Hispanics, Jews, Indians, White ethnics.
*prereq*: SOC 10100
3 hrs 3 cr.

**SOC 21800 - Social Inequality**
GER 3/B
Examination of social inequality in contemporary society from various empirical and theoretical perspectives focusing on class, ethnic, gender, and other determinants of stratification.

prereq: SOC 10100
3 hrs 3 cr.

SOC 21900 - American Society (W)

GER 3/B
Analysis of social structures and culture of the contemporary USA.

prereq: SOC 10100, ENGL 12000
3 hrs 3 cr.

SOC 22100 - Classical Sociological Theory

GER 3/B PD/D
Classical theorists and their contributions.

prereq: SOC 10100
3 hrs 3 cr.

SOC 22300 - Current Sociological Theory

GER 3/B
Significance of concepts and nature of evidence applied to leading theories. Theory construction.

prereq: SOC 10100, SOC 22100, major
3 hrs 3 cr.

SOC 22500 - Seminar in Selected Problems of Sociology

GER 3/B
Lower-level seminar: reading, discussion, and papers on significant problems in sociology.

prereq: SOC 10100
3 hrs 3 cr.

SOC 23100 - Introduction to Social Work Profession

GER 3/B
Introduction to and critical analysis of the social work profession in American society.

prereq: SOC 10100
3 hrs 3 cr.

SOC 23500 - Community Organization and Action

GER 3/B
Evaluation of specific local and national action programs.

prereq: SOC 10100
3 hrs 3 cr.

SOC 23700 - Social Welfare Policy
GER 3/B
Development of welfare institutions. Consequences of welfare services for client and community.

*prereq: SOC 10100
3 hrs 3 cr.*

**SOC 23900 - Child Welfare (W)**

GER 3/B
Historical and contemporary perspectives on the impact of poverty on children and the social policies that deal with it.

*cross-listed WGS 23900 (W)*

*prereq: SOC 10100, ENGL 12000
3 hrs 3 cr.*

**SOC 24000 - Introduction to Research Methods**

GER 3/B
Discussion of various research techniques and strategies including the survey method, field research, experiments, and content analysis. Firsthand involvement in the collection of quantitative data.

*prereq: SOC 10100
3 hrs 3 cr.*

**SOC 24100 - Social Statistics**

GER 3/B
Application of elementary statistical techniques. Introduction to statistical inference and sampling theory.

*prereq: SOC 10100
3 hrs 3 cr.*

**SOC 25100 - Interpersonal Behavior**

GER 3/B
Study of interactional processes and the emergence and maintenance of selves and identities.

*prereq: SOC 10100
3 hrs 3 cr.*

**SOC 25300 - Deviance and Social Control**

GER 3/B
Theories of causation and analysis of particular types of deviance: sexual, criminal, political.

*prereq: SOC 10100
3 hrs 3 cr.*

**SOC 25500 - Youth and Adulthood**

GER 3/B
Youth and adult modes of adaptation, socialization, intergenerational relations, and career possibilities.

*prereq: SOC 10100
3 hrs 3 cr.*

**SOC 25700 - Sex and Gender Roles**
GER 3/B PD/C  
Sex role differentiation: femininity, masculinity, marriage, child rearing.  
cross-listed WGS 25700  
**prereq:** SOC 10100  
3 hrs 3 cr.

**SOC 25900 - Mass Media, Communication and Public Opinion (W)**

GER 3/B  
Impact of mass media on public opinion and government action.  
**prereq:** SOC 10100 ENGL 12000  
3 hrs 3 cr.

**Sociology: Upper Division**

**SOC 30100 - Medical Sociology**

GER 3/B  
Social and cultural factors related to health. Organization of health care services, social structure of the hospital.  
**prereq:** SOC 10100  
3 hrs 3 cr.

**SOC 30700 - Migration**

GER 3/B PD/B  
Economic, demographic, political and cultural factors influencing migration and the consequences of migration.  
**prereq:** SOC 10100  
3 hrs 3 cr.

**SOC 30900 - Social Movements and Social Change (W)**

GER 3/B  
Analysis of emerging groups inducing or resisting social change often using unconventional means in historical and/or international perspective.  
**prereq:** SOC 10100  
3 hrs 3 cr.

**SOC 31100 - Population Dynamics**

GER 3/B  
Comparative analysis of fertility, mortality, migration trends, and related social factors.  
**prereq:** SOC 10100  
3 hrs 3 cr.

**SOC 31300 - Consumer Behavior**
GER 3/B
Individual and social perspectives on consumer decision making. Social patterns of consumption and consumer social movements.
prereq: SOC 10100
3 hrs3 cr.

SOC 31400 - Culture and Consumption

GER 3/B
The structure and patterning of everyday life as concerned with material well-being. Symbolic and moral dimensions of food and living arrangements, as well as commerce and the marketplace.
prereq: SOC 10100
3 hrs3 cr.

SOC 31500 - Work and Society (W)

GER 3/B
Work in market economies, mechanisms of control and sources of stratification, gender and ethnic factors, role of education and trade unions.
cross-listed WGS 31500
prereq: SOC 10100
3 hrs3 cr.

SOC 31700 - Class, Status, and Power

GER 3/B
Inquiry into the empirical and conceptual relation between the fundamental sociological constructs of 'class', 'status', and 'power' through a case study of the upper class in the United States. Review of current research and relevant theoretical approaches.
prereq: SOC 10100
3 hrs3 cr.

SOC 31800 - Sociology of Human Rights in Latin America

GER 3/B
Types of societies in which human rights are respected or violated with special emphasis on Latin American regimes in the last two decades. Human rights and diversity the rights of women and minorities. Movements to protect human rights. The emphasis is on actual social conditions which foster or impede the observance and protection of human rights.
prereq: SOC 10100
3 hrs3 cr.

SOC 31900 - Criminology

GER 3/B
Criminal behavior, arrest, and punishment. Problems of definition, administration of criminal justice.
prereq: SOC 10100
3 hrs3 cr.

SOC 32000 - Law, Society and Civil Rights
GER 3/B
Examines from a sociological perspective the concept of law, and legal institutions and their relationship to society and culture, concentrating on the struggle for civil rights in America.

\textit{prereq: SOC 10100}  
\textit{3 hrs 3 cr.}

\textbf{SOC 32100 - Sociology of Organizations}

GER 3/B
Organization, structure, and processes; relationship between individual and organization.

\textit{prereq: SOC 10100}  
\textit{3 hrs 3 cr}

\textbf{SOC 32200 - Drugs and Society}

GER 3/B
The course focuses on the social, cultural and historical dimensions of drug use, and treats the causes and consequences of drug use and abuse as a social—rather than bio-physical phenomenon. Course topics may include: drug use as a universal phenomenon, regulatory issues related to drugs, especially in relation to race, class and subcultures; and drugs as a media phenomenon.

\textit{prereq: SOC 10100}  
\textit{3 hrs 3 cr}

\textbf{SOC 32500 - Seminar in Selected Problems of Sociology}

GER 3/B
Upper-level seminar: reading, discussion, and papers on significant problems in sociology.

\textit{prereq: SOC 10100, perm instr.}  
\textit{3 hrs 3 cr.}

\textbf{SOC 32502 - Sociology of Human Rights: Violation and Protection}

GER 3/B

\textit{prereq: SOC 10100, perm instr.}  
\textit{3 hrs 3 cr.}

\textbf{SOC 32506 - Latin American Societies}

GER 3/B

\textit{prereq: SOC 10100, perm instr.}  
\textit{3 hrs 3 cr.}

\textbf{SOC 32519 - Economic Development and Social Inequality in Latin America}

GER 3/B

\textit{prereq: SOC 10100, perm instr.}  
\textit{3 hrs 3 cr.}
SOC 33100 - Field Placement in Social Work Agencies

GER 3/B
Supervised work in social service agency, weekly seminar, preparation of weekly assignments and term paper.
prereq: SOC 10100, perm instr.
8 hrs per week3 cr.

SOC 33200 - Advanced Field Placement in Social Work Agencies

GER 3/B
Supervised work in social service agency, weekly seminar, agency-based research project.
prereq: SOC 10100, SOC 33100 or documented equiv. experience in social work agency, perm instr.
8 hrs per week3 cr.

SOC 34100 - Research Practicum

GER 3/B
Evaluates strategies and instruments available to sociologists such as socio-geographic mapping.
prereq: SOC 24000, 24100
3 hrs3 cr

SOC 34500 - Sociology of Knowledge

GER 3/B
Systematic analysis of the social basis of knowledge.
prereq: SOC 10100
3 hrs3 cr.

SOC 35000 - Qualitative Research Methods (W)

GER 3/B
An introduction to the most prevalent qualitative research approaches used in applied social research and sociology, including documentary analysis, participatory observation, ethnography, in-depth interviews, focus groups and related methods.
prereq: SOC 22100 or 22300
3 hrs3 cr.

SOC 36000 - Feminist Social Theory

GER 3/B PD/C
Introduces students to feminist theory developed by women from Western, Third World and other countries.
cross-listed WGS 36000
prereq: SOC 10100
3 hours3 credits

SOC 36100 - Development and Modernization (W)

GER 3/B PD/A
Examinations of models of social change with a special focus on developing countries.
SOC 36200 - Sociology of Islam (W)

GER 3/B
Introduction to Islam as religion and culture with emphasis on how misconceptions have permeated our understanding of Islam. Analysis from a historical perspective which serves as a framework for comprehending Islam's dogma, rituals, and legal system.

prereq: SOC 10100
3 hrs 3 cr.

SOC 36300 - Social Change

GER 3/B
Process of development of institutions, communities, and nations.

prereq: SOC 10100
3 hrs 3 cr.

SOC 36400 - Globalism and Nationalism

GER 3/B
This course covers the emergence, spread, and decline of global cultural identities and practices in individual nation-states. It further explores the origin, character, and vicissitudes of nationalism in the global area.

prereq: SOC 10100
3 hrs 3 cr.

SOC 37101 - Independent Study

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.

prereq: SOC 10100, perm instr.
1 hr 1 cr

SOC 37103 - Independent Study

GER 3/B
Completion of written assignment as proposed by student as approved and supervised by full-time faculty sponsor.

prereq: SOC 10100, perm instr.
3 hrs 3 cr.

SOC 37200 - Independent Study

GER 3/B
Completion of reading list and written assignment as proposed by student in consultation with full-time faculty sponsor.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 42100 - Sociology of Organizations

GER 3/B
Organization, structure, and processes; relationship between individual and organization.
prereq: SOC 101
3 hrs3 cr.

SOC 42500 - Seminar in Selected Problems of Sociology

GER 3/B
Advanced seminar: reading, discussion, and papers on significant problems in sociology and in applied social research; in most cases cross-listed with graduate social research course or seminar.
prereq: SOC 10100, perm instr.
3 hrs3 cr.

SOC 44100 - Advanced Research Methods

GER 3/B
Evaluates strategies and instruments available to sociologists such as socio-geographic mapping.
prereq: SOC 24000, 24100
3 hrs3 cr.

SOC 47100 - Honors/Independent Study

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47200 - Honors/Independent Study

GER 3/B
Advanced independent research project under direction of full-time member of department.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47300 - Honors Seminar

GER 3/B
Honors paper.
prereq: SOC 10100, perm instr.
3 cr. each sem

SOC 47400 - Honors Seminar
GER 3/B
Honors paper.
prereq: SOC 10100, perm dept.
3 cr. each sem

SOC 49800 - Internship

GER 3/B
Open to advanced majors only. Placement of qualified sociology majors off campus in professional nonsocial service internship settings. Credits are based on analytic internship report, number of hours worked and by written evaluation by agency/company intern supervisor.
prereq: SOC 22100 or 22300 and SOC 24000; major; perm supervising full-time faculty hrs TBA3-6 cr.

Sociology Courses less frequently offered

SOC 20700 - Leisure, Recreation and Sports

GER 3/B
Role and social organization of leisure and recreation in traditional and modern society.
prereq: SOC 10100
3 hrs3 cr.

SOC 21500 - Occupations and Professions

GER 3/B
Roles, structures, development of occupations and professions. Occupational socialization and professionalization.
prereq: SOC 10100
3 hrs3 cr.

SOC 46100 - Comparative Ethnic and Race Relations

GER 3/B
Patterns of intergroup relations in various countries. Consequences of partition, separatism, pluralism, assimilation.
prereq: SOC 10100, 21700
3 hrs3 cr.

Programs and Courses in Theatre

Theatre

About the Department

The Department of Theatre studies stage production, the history and theory of theatre and drama, and the relationship among text, theory and performance. Theatre courses include acting, playwriting, directing, history, theory, design,
production, creative drama and interdisciplinary performance. The curriculum was developed with an emphasis on professional standards within a liberal arts context.

The theatre major requires courses in practical hands-on work, as well as study of theoretical, critical, and historical approaches to theatre. Interdisciplinary courses include acting, lighting and design for theatre, film and television, adaptation for theatre and film, and comparative aesthetics. Students pursuing a major in theatre must work on theatre productions as part of their requirements for graduation. Advanced undergraduate playwrights may have their work produced by Hunter Playwrights.

Many students who graduate from the theatre program work as actors, directors, stage managers, and designers. Some of our students continue their creative study in conservatory or MFA programs. Others continue their education in history and theory as MA or PhD students.

The department maintains associations with major theatre institutions. Students have opportunities for placement as interns and apprentices with various professional groups.

Programs and Courses

Programs and Courses in Theatre

Administration and Faculty

Department Office:

522 North
(212) 772-5148
Web site: http://www.hunter.cuny.edu/theatre

Chair:

Barbara Bosch
520D North
(212)-650-3789
E-mail: bbosch@hunter.cuny.edu

Faculty

Theatre Faculty

HEGIS Code: 1007

Undergraduate Major

Theatre - BA

Honors
Open to any qualified junior or senior with a 3.5 GPA in Theatre and an overall minimum GPA of 2.7 and permission of the chair. Individual work under faculty supervision. Departmental honors granted at graduation.

**Major in Theatre (30 cr)**

Students must have earned at least 24 credits to declare a Theatre major.

**THEA 21100 - World Theatre I (W)**

GER 2/C PD/D  
Survey of international theatre from its pre-Greek origins to the Spanish Golden Age.  
*prereq: ENGL 12000, THEA 10100*  
3 hrs 3 cr.

**THEA 21200 - World Theatre II (W)**

GER 2/C PD/D  
Survey of international theatre from the Elizabethan period to Wagner.  
*prereq: ENGL 12000, THEA 10100*  
3 hrs 3 cr.

**THEA 21300 - World Theatre III (W)**

GER 2/C PD/D  
Survey of international theatre from 19th-century Naturalism to the present day.  
*prereq: ENGL 12000, THEA 10100*  
3 hrs 3 cr.

**THEA 25100 - Theatre Production**

Practical and academic work on the departmental production.  
*prereq: THEA 10100 or perm instr.*  
5 hrs 3 cr.

**THEA 26100 - Acting II: Contemporary Drama**

GER 3/A  
Fundamentals of scene study focusing on text analysis, personalization, objective and action using American realism.  
*prereq: THEA 16100 or perm instr.*  
4 hrs 3 cr.

**THEA 32100 - Play Analysis (W)**

GER 3/A PD/D  
Principles of play analysis; examination of play structure, theatrical form, and historical period.  
*prereq: THEA 21100 or 21200 or 21300*  
3 hrs 3 cr.

**THEA 28100 - Visual Elements of Theatre**
Theory and practice of various design elements that constitute complete theatrical production. Course for actors, directors, playwrights, and others not concentrating in design. Practical work on productions included.

**THEA 28500 - Design Concepts for Theatre, Film, and Television**

GER 3/A
Theoretical and practical elements of design in theatre, film, and television.

*prereq: THEA 10100 or FILM 10100*

3 hrs 3 cr.

- Electives chosen from 300-level courses 6 cr.
- 2 production crews (not-for-credit)

plus one course selected from the following:

**THEA 38100 - Scene Design I**

GER 3/A
Fundamentals of design for theatre, film, and television.

*prereq or coreq: THEA 28100*

5 hrs 3 cr.

**THEA 38300 - Costuming for the Stage**

GER 3/A
Study and practice in stage costuming; historical periods and styles; fabrics, patterns, and construction.

*prereq: THEA 28100*

5 hrs 3 cr.

**THEA 38400 - Stage Lighting**

GER 3/A
Principles, techniques, and practice of lighting for theatre, emphasizing its contribution to dramatic interpretation.

*prereq: THEA 28100 or FILM 25100*

5 hrs 3 cr.

**THEA 38500 - Production Design I for Theatre, Film, and Television**

GER 3/A
Theory and practice in scenic design for theatre, film, and television.

*prereq: THEA 10100 or FILM 10100 and THEA 28500*

4 hrs 3 cr.

**THEA 38700 - Concepts of Light in Theatre, Film, and Television**

GER 3/A
The aesthetics, styles, conventions, and vocabulary of lighting in theatre, film, and television: how light establishes style, mood, rhythm, and atmosphere as interpretive elements of performance.
Minor

Theatre majors may select a minor from any department or program in the college that offers a program of study leading to a BA degree. Students should consult the departmental adviser regarding appropriate minor choices.

Minor for Non-Majors

Any 12 credits including THEA 10100, to be selected with major adviser.

Theatre: Basic Courses

THEA 10100 - Introduction to Theatre

GER 2/D
Study of elements of theatre arts acting, directing, playwriting, design from standpoints of both viewer and participant. 3 hrs 3 cr.

THEA 15100 - Introduction to Theatre Production

Lectures and practical backstage work in all aspects of production. Work on studio and major productions required. 5 hrs 2 cr.

THEA 16100 - Acting I: Basic Acting Techniques

For intended majors and non-majors. Exploration of the fundamentals of acting technique through improvisation. 3 hrs 3 cr.

Theatre: Intermediate Courses

THEA 21100 - World Theatre I (W)

GER 2/C PD/D
Survey of international theatre from its pre-Greek origins to the Spanish Golden Age. 3 hrs 3 cr.

THEA 21200 - World Theatre II (W)

GER 2/C PD/D
Survey of international theatre from the Elizabethan period to Wagner.
prereq: ENGL 12000, THEA 10100
3 hrs 3 cr.

THEA 21300 - World Theatre III (W)

GER 2/C PD/D
Survey of international theatre from 19th-century Naturalism to the present day.
prereq: ENGL 12000, THEA 10100
3 hrs 3 cr.

THEA 21400 - Multicultural Perspectives in Theatrical Performance (W)

GER 3/A PD/B
Study of a selected minority theatre tradition in the United States: original roots, development, and influence on the cultural life of the group to be studied and on American culture in general. May be repeated for credit with a different topic.
prereq: THEA 10100
3 hrs 3 cr.

THEA 21500 - Black Theatre (W)

GER 3/A PD/B
Background and development, present practice, and future possibilities of Black theatre in America.
prereq: ENGL 12000, THEA 10100
3 hrs 3 cr.

THEA 25100 - Theatre Production

Practical and academic work on the departmental production.
prereq: THEA 10100 or perm instr.
5 hrs 3 cr.

THEA 26100 - Acting II: Contemporary Drama

GER 3/A
Fundamentals of scene study focusing on text analysis, personalization, objective and action using American realism.
prereq: THEA 16100 or perm instr.
4 hrs 3 cr.

THEA 26200 - Acting III: Contemporary Drama

GER 3/A
Continued work on scene study using realistic plays from the world repertory.
prereq: THEA 26100 or perm instr.coreq: THEA 26300
4 hrs 3 cr.

THEA 26300 - Basic Voice and Movement for Performers
Freeing the natural voice; resonance and range; movement systems and skills.

**coreq:** THEA 26200
3 hrs 2 cr.

**THEA 28100 - Visual Elements of Theatre**

Theory and practice of various design elements that constitute complete theatrical production. Course for actors, directors, playwrights, and others not concentrating in design. Practical work on productions included.

**prereq:** THEA 10100
3 hrs 3 cr.

**THEA 28200 - Theatrical Design Techniques**

**GER 3/A**
Practical training in skills of drawing, painting, and model-making necessary for designing of scenery, costumes, and lights. Studio design work included. Prerequisite for all advanced design courses.

**prereq:** THEA 10100

**THEA 28300 - Stagecraft**

**GER 3/A**
Technical problems of production: construction, rigging, and handling of scenery. Practical work included.

**prereq:** THEA 10100
5 hrs 3 cr.

**THEA 28400 - Makeup for the Stage**

**GER 3/A**
Practical instruction in use of stage makeup.

**prereq:** THEA 10100
5 hrs 3 cr.

**THEA 28500 - Design Concepts for Theatre, Film, and Television**

**GER 3/A**
Theoretical and practical elements of design in theatre, film, and television.

**prereq:** THEA 10100 or FILM 10100
3 hrs 3 cr.

**Theatre: Upper-Level Courses**

**THEA 32100 - Play Analysis (W)**

**GER 3/A PD/D**
Principles of play analysis; examination of play structure, theatrical form, and historical period.

**prereq:** THEA 21100 or 21200 or 21300
3 hrs 3 cr.
THEA 32200 - Theatre Theory and Criticism (W)

GER 3/A PD/D
Major theatrical theories, with emphasis on modern, as applied to acting, design, directing, and playwriting.
prereq: THEA 21100 or 21200 or 21300
3 hrs3 cr.

THEA 32300 - 20th Century Aesthetics in Theatre and Film (W)

GER 3/A
Points of interaction, mutual influence, and cross fertilization between theatre and film in theory and praxis.
prereq: THEA 21300 or FILM 21100 or 21200; ENGL 12000
4 hrs3 cr.

THEA 32400 - Adaptation in Theatre and Film (W)

GER 3/A
Examination of examples of works adapted to the stage or seen from another medium.
prereq: THEA 32100 or FILM 21100 or 21200; ENGL 12000
4 hrs3 cr.

THEA 33100 - Avant-Garde Theatre of the 20th Century (W)

GER 3/A PD/D
Departures from realism Expressionism, Artaud, Brecht, Grotowski from Alfred Jarry to the present.
prereq or coreq: THEA 21100 or 21200 or 21300
3 hrs3 cr.

THEA 33200 - Theatre of Realism and Naturalism

GER 3/A PD/D
Plays, theory, and stagecraft of realism and naturalism movements from the late 19th century to the present.
prereq or coreq: THEA 21100 or 21200 or 21300
3 hrs3 cr.

THEA 33300 - Alternative Performance

GER 3/A PD/D
Study of performance styles and practices using theatre and/or film in non-traditional modes.
prereq: THEA 21300 or THEA 32300
3 hrs3 cr.

THEA 35100 - Theatre Workshop

Individual assignments to backstage positions in production and management of departmental presentations.
prereq: THEA 25200
5 hrs2 cr.

THEA 36100 - Acting: Departures from Realism
GER 3/A
Scene study as it applies to non realistic works such as absurdist plays, epic theatre, and expressionist works.
*prereq: THEA 21100 or 21200 or 21300; THEA 26200, 26300 or perm instr.
4 hrs 3 cr.

**THEA 36200 - Acting: Period Drama**

GER 3/A PD/D
Scene study from such periods as Greek, Elizabethan, and Restoration.
*prereq: THEA 21100 or 21200 or 21300; THEA 26200, 26300 or perm instr.
coreq: THEA 36300
4 hrs 3 cr.

**THEA 36300 - Advanced Voice and Movement for Performers**

GER 3/A
Continuation of voice and movement exercises; integration into systematic approach for actors.
*prereq: THEA 26300
coreq: THEA 36200
3 hrs 2 cr.

**THEA 36400 - Mime and Masks**

GER 3/A
Practical course in mime and mask exercises for actors, designed to open new avenues for emotional expression.
*prereq: THEA 36300
4 hrs 3 cr.

**THEA 36500 - Screen Acting**

GER 3/A
Fundamental techniques unique to acting in film and television.
*prereq: FILM 10100, THEA 26200
4 hrs 3 cr.

**THEA 37100 - Directing I**

GER 3/A
Principles of play production; directorial concepts; focusing audience attention on dramatic values.
*prereq: THEA 2100 or 21200 or 21300, THEA 26100, 32100 or perm instr.
5 hrs 3 cr.

**THEA 37200 - Directing II**

GER 3/A
Continued study of principles; incorporation of design elements; full laboratory production of one-act play by each student.
*prereq: THEA 37100 or perm instr.
5 hrs 3 cr.

**THEA 37600 - Playwriting I (W)**
GER 3/A
Study of problems in playwriting based on the student's own work.
prereq: THEA 10100 or perm instr.
3 hrs 3 cr.

THEA 37700 - Playwriting II

GER 3/A
Continued study of playwriting techniques, with emphasis on the structure and form of the full length play.
prereq: THEA 37600 or perm instr.
3 hrs 3 cr.

THEA 38100 - Scene Design I

GER 3/A
Fundamentals of design for theatre, film, and television.
prereq or coreq: THEA 28100
5 hrs 3 cr.

THEA 38200 - Scene Design II

GER 3/A
Problems of set design for plays, musicals, ballet, opera, film, and television; scene painting.
prereq: THEA 38100
5 hrs 3 cr.

THEA 38300 - Costuming for the Stage

GER 3/A
Study and practice in stage costuming; historical periods and styles; fabrics, patterns, and construction.
prereq: THEA 28100
5 hrs 3 cr.

THEA 38400 - Stage Lighting

GER 3/A
Principles, techniques, and practice of lighting for theatre, emphasizing its contribution to dramatic interpretation.
prereq: THEA 28100 or FILM 25100
5 hrs 3 cr.

THEA 38500 - Production Design I for Theatre, Film, and Television

GER 3/A
Theory and practice in scenic design for theatre, film, and television.
prereq: THEA 10100 or FILM 10100 and THEA 28500
4 hrs 3 cr.

THEA 38600 - Production Design II for Theatre, Film, and Television
GER 3/A
Theory and practice in costume design for theatre, film, and television.
prereq: THEA 10100 or FILM 10100 and THEA 28500
4 hrs 3 cr.

THEA 38700 - Concepts of Light in Theatre, Film, and Television
GER 3/A
The aesthetics, styles, conventions, and vocabulary of lighting in theatre, film, and television: how light establishes style, mood, rhythm, and atmosphere as interpretive elements of performance.
prereq: THEA 28100 or THEA 28500
3 hrs 3 cr.

THEA 38800 - Theatres and Movie Palaces: Contemporary Culture
GER 3/A
Exploration of the architecture and evolution of selected 20th-century theatre and movie palaces.
prereq: THEA 21300 or FILM 21100
3 hrs 3 cr.

THEA 39100 - Theatre Projects
GER 3/A
Experimental work in design or directing for advanced theatre students.
prereq or coreq: THEA 37200, 38100, perm chair
3 hrs 3 cr.

Theatre: Special and Individual Studies Courses

THEA 25301 - Special Topics in Theatre Performance
GER 3/A
Credit for participation in the departmental production. This course may be taken up to three times for credit.
prereq: perm instr
5 hrs 3 cr.

THEA 29700 - Special Topics in Theatre
GER 3/A
Not offered at all times. A specific topic will be listed in Schedule of Classes for a given semester.
prereq: perm dept.
1-3 hrs 1-3 cr.

THEA 39700 - Studies in Theatre
GER 3/A
Not offered at all times. Specialized topics for majors will be listed in Schedule of Classes for a given semester.
prereq: variable
3 hrs3 cr.

**THEA 40100 - Seminar**

GER 3/A
Not offered at all times. Readings, discussion, and papers on significant problems in theatre and film.

*prereq: perm dept.*

3 hrs3 cr.

**THEA 40200 - Independent Research**

GER 3/A
Open to majors only. Directed program of reading, research, or creative presentation, arranged on an individual basis with a faculty mentor.

*prereq: perm chair*

1-3 hrs1-3 cr.

**THEA 49800 - Internship**

GER 3/A
Placement in appropriate off-campus locations, arranged on an individual basis with a faculty mentor.

*prereq: perm dept.*

1-6 hrs1 – 6

**THEA 49900 - Honors Project**

GER 3/A
Open to majors only. Individual work under faculty supervision, qualifies student for departmental honors at graduation.

*prereq: 3.5 major GPA, 2.7 overall GPA, perm chair*

3 hrs3 cr.

**Theatre: Courses offered only upon sufficient student demand**

**THEA 24100 - Creative Dramatics**

GER 3/A

**THEA 24200 - Theatre for Young Audiences**

GER 3/A

**THEA 24300 - Theatre for Young Audiences: Laboratory**

GER 3/A
THEA 24400 - Drama and Disability
GER 3/A
THEA 34100 - Creative Drama Leadership Techniques: Special Groups
GER 3/A
THEA 34200 - Creative Drama in the Community
GER 3/A
THEA 37800 - Scriptwriting for Young Audiences: Theatre, Film, and Television
GER 3/A

Programs and Courses in Urban Affairs and Planning

Urban Affairs and Planning

About the Department

Because 75 percent of the nation’s population is classified as urban, cities are important and relevant subjects for study and investigation. Urban studies courses do just that as they examine the forces that shape the institutions and quality of life in American metropolitan regions. Building on an understanding of economic, social, spatial, and political trends, urban studies provides a means to address current urban policy/planning issues and the diverse needs of the people who live in cities. The urban studies curriculum includes courses that develop qualitative and quantitative methods. Included into the curriculum are field-work experiences, an internship and studio class, which take students into the real world to test what is learned in the classroom. Because New York City is a vast urban laboratory, it is a powerful learning tool useful in the development of studio classes and the teaching of urban studies in general.

The department offers several options to students interested in cities and how they function. The most intensive is, of course, the major. Additional programs include elective courses that enhance knowledge about cities, and an advanced public service internship and course that is open to selected students (see Special Programs, below).

Of particular note for non-majors is the specially designed introductory course, “Urban Life: The Personal and Observational View.” Unlike many introductory courses that are confined to the classroom, this “intro” class requires students to go out in the community to map the location of housing, stores, doctors’ offices and parks that define neighborhood character. Students also attend community board meetings where local residents work together to resolve issues about schools, recreation, or the needs of the elderly. The goal of both exercises is to help students get excited about city life and to appreciate the concept of civic responsibility as way to enhance the quality of life in their home neighborhoods. In addition, the course is designed to give students an appreciation of the important role that race, class, gender and sexual orientation play in urban life.

Preparation for Graduate Training and Employment
A substantial number of majors in urban studies pursue professional graduate study in urban planning, law, social work, public administration, architecture, and related fields. Students should discuss their professional goals with the adviser in their junior year in order to plan their programs accordingly. Others who graduate with an urban studies bachelor’s degree have found jobs with non-profits, government, and the private sector.

Public Service Scholars

The Public Service Scholar Program seeks to improve our cities and the lives of people by preparing talented students particularly women, minorities and immigrants for public service careers through internships with elected officials, government, and nonprofit organizations. The program runs for a full academic year and combines internship placements in the offices of senior officials and administrators with intensive seminars on public policy issues, social change, government and nonprofit organizations. The program is open to any Hunter College student, regardless of major, who has a minimum 3.0 GPA and who is within 45 credits of graduation at the beginning of the program in the fall semester. Admission of up to 24 students is competitive. Applications are accepted starting in November with a deadline of March 15th. Students accepted as Public Service Scholars receive 12 academic credits and a $6,000 stipend. Because women, minorities and immigrants have been traditionally underrepresented in public policy making and leadership positions, special efforts are taken to encourage them to apply for the program. Interested students should contact the Public Service Scholar Program, Room 1643 Hunter West, (212) 772-5599 or email ewalsh@hunter.cuny.edu.

Programs and Courses in Urban Affairs and Planning

Administration and Faculty

Department Office:

1611 West
(212) 772-5518
Web site: http://maxweber.hunter.cuny.edu/urban/
The e-community:

Available to undergrads in urban studies courses and urban studies majors, the site contains information about events, internships, and jobs. On Blackboard look for “Urban Affairs and Planning Community.”

Chair:

Joseph P. Viteritti
1611A West
(212) 772-5515
E-mail: jviter@hunter.cuny.edu

Faculty

Urban Affairs and Planning Faculty

HEGIS Code: 2214
Undergraduate Major

Urban Studies - BA

The urban studies curriculum includes courses that develop qualitative and quantitative methods. Included into the curriculum are field-work experiences, an internship and studio class, which take students into the real world to test what is learned in the classroom. Because New York City is a vast urban laboratory, it is a powerful learning tool. Urban studies faculty use it to make discussions about affordable housing, transit, and recycling come alive and useful to students.

The curriculum is enriched by its location in the Department of Urban Affairs and Planning, which also includes graduate curricula in urban planning and urban affairs. The sharing of faculty and facilities, the interchange among advanced and beginning students, and the cooperation of other social science departments at Hunter create a synergy for comprehensive examination of “urban” concerns in a major city. After graduating, urban studies alumni have pursued public or private sector careers in urban planning, social work, municipal budgeting, public administration, real estate, community economic development, law, business, and journalism.

Major (30 credits)

The Urban Studies major provides a strong background in the study of urban issues, institutions, and policies. In addition, the major includes a methodology component, an internship experience, and appropriate courses selected from closely related social science disciplines. Completion of the major gives students a fuller understanding of contemporary cities from a variety of perspectives: social, physical, political, and economic. The major consists of components A, B, C, and D as listed below. Courses not listed may be selected to complete the major, given the approval from the urban studies program adviser.

A. Urban Studies Core 12 cr

URBS 10100 - Urban Life: Personal and Observational View (W)

GER 2/B
Introduction to urban studies allowing students to translate personal knowledge and experience of New York City to more theoretical understanding of urbanism. Includes four projects dealing with mapping, immigration, census data analysis, and local development issues.
3 hrs3 cr.

URBS 10200 - Structure of Urban Region (W)

GER 2/B
Introduction to forces shaping institutions and life of contemporary American urban regions. Focus on evolving metropolitan economic, social, demographic, spatial, and political systems, and their relevance to current policy.
**prereq: URBS 10100 or relevant intro course (e.g., ECO 10000 or 20100-20200; GEOG 10100, PLSC 11100, SOC 10100) or perm instr.**
3 hrs3 cr.
URBS 20100 - Urban Plans and Policies

GER 2/B
Includes the study of the policy making process, major plans/policies (e.g. War on Poverty, urban renewal, neighborhood rezoning), “politics/power,” the role of non-profits in urban planning and policy making.
prereq: URBS 10200 or 6 cr. intro social science courses or perm instr.

3 hrs 3 cr.

URBS 31000 - Methods of Urban Research and Policy Analysis

GER 3/B
Survey of research skills necessary for analysis of contemporary urban issues. Includes review of data sources, methods of forecasting, use of computer, and methods of information presentation.
prereq: URBS 10200 or perm instr.
3 hrs 3 cr.

URBS 31100 - Quantitative Approaches to Urban Analysis

GER 3/B
A survey of quantitative methods used to analyze urban policy and plans. Students are taught about demography, data analysis, and benefits cost analysis.
prereq: Open only urban studies majors who have completed the URBS 10100/10200 sequence or perm instr.
3 hrs 3 cr.

B. Urban Studies Electives 6 cr

Select two from:

URBS 40100 - Managing Urban Physical Environment

GER 3/B
Advanced study of the physical structure of cities which includes an analysis of zoning, land use, transportation, and the location of housing. The role of public and private agencies at local, state, and national levels in the planning and management of the physical environment is also considered.
prereq: URBS 20100 or perm instr.
3 hrs 3 cr.

-or-

URBS 40200 - Urban Social and Economic Development

GER 3/B
Detailed review of social and economic concerns confronting urban communities, focusing on major problem areas: poverty, health, crime, economic development, unemployment, and racial discrimination.
prereq: URBS 20100 or perm instr.
3 hrs 3 cr.
Additional Information

Component B can also be met by another 400-level URBS course approved by adviser.

C. Fieldwork Component 3 cr

Select one from:

D. Basic Social Science Component 6 cr

Select two from:

**AFPRL 30400 - Leaders and Movements of Black Urban Communities (W)**

GER 3/B PD/B
Personalities and movements that have influenced Black communities of U.S.; focuses mainly on 20th century.
*prereq: AFPRL 20300 or 20400 or 20500*
3 hrs 3 cr.

**ASIAN 39001 - International Migration**

PD/B
This interdisciplinary course examines the origins and processes of migration and settlement, past and present. Includes a series of lectures by leading scholars from a variety of academic fields and immigrant communities. Topics include: immigration and labor, race and gender, social and cultural identity, immigration policy and political action, and the trans-nationalization of education and family life.
3 hrs 3 cr.

**ECO 33000 - Economic Development**

GER 3/B PD/A
Critical variables explaining the diversity of growth and economic and development outcomes across developing countries. Theories, case studies, measurement and policies.
*prereq: ECO 20100*
3 hrs 3 cr.

**GEOG 22100 - Economic Geography**

GER 2/B
An introduction to the sub-discipline of economic geography, which will include an exploration of the history of both economics and geography, and a rigorous global approach to the subjects. Students will come to understand the history of the development of economic thought, leading up to, and transformed, by today’s crisis, as well as the particularly geographical nature of economic phenomena and processes, and the immense contributions geographers have made to the understanding of economics. Course focus is on the dominant form of global economic activity today, which is capitalistic, and the way this economic structure plays out through different geographies at different historical moments in time.
*Not open to freshmen*
*prereq: GEOG 10100 or perm instr.*
3 hrs 3 cr.
*Offered fall and spring*
GEOG 32100 - Transportation Geography

GER 3/B
A geographic study and modeling of transportation routes and their influences on the location of economic activity.
prereq: GEOG 221 or perm instr.
3 hrs 3 cr.
not offered 2011

GEOG 34100 - Urban Geography

GER 3/B
Open to Jr/Sr only. Spatial analysis of functions of metropolitan areas. Social and economic characteristics of cities and suburbs. Land use and transportation patterns.
prereq: GEOG 101 or GEOG 150 or perm instr, Jr/Sr only
3 hrs 3 cr.

GEOG 35700 - Geography of New York City and Vicinity

GER 3/B
Informed immersion in NYC is the main objective of this course. Students will learn by exploration and observation more than by media. The city is the laboratory to complement readings, lectures and discussion. Students will emerge from this class with an enhanced appreciation of the entire city. Study assignments include keeping a journal of walking assignments as well as readings. Field work will focus on the five boroughs of New York City. (Students with difficulties in walking or using public transportation or who have phobias regarding unfamiliar neighborhoods should consider this before registering.)
Open to Jr/Sr only.
prereq: GEOG 10100
3 hrs 3 cr.
Offered fall.

GEOG 37000 - Geography of Sustainable Development in Developing Countries

GER 3/B PD/A
Reviews the theories and approaches of international development. Themes include development theory, availability and distribution of resources, population growth, food production, water supply and forestry. The course will also highlight the development and environmental problems that challenge the achievement of sustainable development such as population growth, food and world economic crises, increasing number of the poor and climate change. The course will provide students with theory, methods, problems and analysis of factors that influence sustainable development in developing countries.
prereq: one of the following: GEOG 10100, 15000, 27000, 27100, 27500, 27700 or perm instr.
3 hrs 3 cr.

HIST 31700 - History of the American City

GER 3/B PD/D
History of the American city from the Colonial era to the present; development of the city as physical environment, social experience, political entity and cultural symbol.
Courses at the 300-level and above not offered to freshmen.
3 hrs 3 cr.

HIST 31800 - History of the American Working Class (W)
GER 3/B PD/D
History of the American working class from Colonial times to the present; changing work experience, community life, organizational efforts and political activity of working people.
Courses at the 300-level and above not offered to freshmen.
prereq or coreq: ENGL 12000
3 hrs 3 cr.

POLSC 21200 - Urban Politics (W)

GER 3/B
Politics in New York City and other urban areas. Decentralization, suburbanization, race, ethnicity, reform.
prereq: ENGL 12000 or its equivalent
3 hrs 3 cr.

SOC 21100 - Urban Sociology

GER 3/B
The relationships of space and society, with special attention to the nature and problems of urban life.
prereq: SOC 10100
3 hrs 3 cr.

SOC 21700 - Race and Ethnicity

GER 3/B PD/B
Dominant-subordinate relations among selected groups: Asians, Blacks, Hispanics, Jews, Indians, White ethnics.
prereq: SOC 10100
3 hrs 3 cr.

Additional Information

Component D can also be met by another 400-level URBS course contingent on the approval of the undergrad adviser.

Departmental Honors: Eligibility Criteria

Overall GPA: 3.2 and above
Major GPA: 3.5 and above

Graduate Courses

The following graduate courses are open to senior urban studies majors. Other graduate-level courses may be taken by seniors with permission of the instructor:

URBP 701 History of Planned Urban Development
URBP 702 The Structure of the Urban Region

In addition to these two courses, there are cross-listed classes, offered each semester, that are open to undergraduate students.
Urban Affairs and Planning

URBS 10100 - Urban Life: Personal and Observational View (W)

GER 2/B
Introduction to urban studies allowing students to translate personal knowledge and experience of New York City to more theoretical understanding of urbanism. Includes four projects dealing with mapping, immigration, census data analysis, and local development issues.
3 hrs 3 cr.

URBS 10200 - Structure of Urban Region (W)

GER 2/B
Introduction to forces shaping institutions and life of contemporary American urban regions. Focus on evolving metropolitan economic, social, demographic, spatial, and political systems, and their relevance to current policy.
prereq: URBS 10100 or relevant intro course (e.g., ECO 10000 or 20100-20200; GEOG 10100, PLSC 11100, SOC 10100) or perm instr.
3 hrs 3 cr.

URBS 20100 - Urban Plans and Policies

GER 2/B
Includes the study of the policy making process, major plans/policies (e.g. War on Poverty, urban renewal, neighborhood rezoning), “politics/power,” the role of non-profits in urban planning and policy making.
prereq: URBS 10200 or 6 cr. intro social science courses or perm instr.
3 hrs 3 cr.

URBS 31000 - Methods of Urban Research and Policy Analysis

GER 3/B
Survey of research skills necessary for analysis of contemporary urban issues. Includes review of data sources, methods of forecasting, use of computer, and methods of information presentation.
prereq: URBS 10200 or perm instr.
3 hrs 3 cr.

URBS 31100 - Quantitative Approaches to Urban Analysis

GER 3/B
A survey of quantitative methods used to analyze urban policy and plans. Students are taught about demography, data analysis, and benefits cost analysis.
prereq: Open only urban studies majors who have completed the URBS 10100/10200 sequence or perm instr.
3 hrs 3 cr.

URBS 40100 - Managing Urban Physical Environment
**GER 3/B**
Advanced study of the physical structure of cities which includes an analysis of zoning, land use, transportation, and the location of housing. The role of public and private agencies at local, state, and national levels in the planning and management of the physical environment is also considered.

*prereq: URBS 20100 or perm instr.
3 hrs 3 cr.*

**URBS 40200 - Urban Social and Economic Development**

GER 3/B
Detailed review of social and economic concerns confronting urban communities, focusing on major problem areas: poverty, health, crime, economic development, unemployment, and racial discrimination.

*prereq: URBS 20100 or perm instr.
3 hrs 3 cr.*

**URBS 40300 - Selected Topics in Urban Affairs**

GER 3/B
Intensive examination or investigation of specialized topics or new developments in literature and research.

*3 hrs 3 cr.*

**URBS 40354 - Seminar on the City**

GER3/B
Provides an historical, political and economic context for the region's major policy issues. The course introduces students to the complexities of New York City's governance and its public service sectors. Students develop a framework and tools for addressing relevant questions about the functions of the city, drawing on lectures, speakers, readings, field visits, interviews and internship experiences.

*This is a 3-credit per semester course. May be repeated one time with permission of the director of public service scholar program.
3 hrs 3 cr.*

**URBS 40900 - Urban Studies Internship**

GER 3/B
Students gain first-hand experience by working in urban-related public, private, or non-profit agencies. The internships provide knowledge about urban planning or policy issues.

*Open only to declared urban studies majors within 45 credits of graduation.
3 hrs 3 cr.*

**URBS 49803 - Urban Studies Internship**

GER 3/B
Open only to declared urban studies major within 45 credits of graduation. Internship experience in urban-related public or nonprofit agency providing first-hand involvement in urban planning or policy issues, under careful supervision, in professional field setting.

*3 hrs 3 cr.*
URBS 49806 - Public Service Scholar In-Service Seminar

GER 3/B
The Public Service Scholar In-Service seminar identifies and examines the types of learning that occur in the internship, including development of skills in management, problem solving, policy analysis, networking, time management, fundraising and performance evaluation.

This is a year-long course. Students register each semester. No credit awarded for first semester unless both semesters are successfully completed.
6 hrs (3 per semester for two semesters) 6 cr. (3 per semester for two semesters)

Programs and Courses in Urban Public Health

CUNY School of Public Health at Hunter College

About CUNY School of Public Health

Hunter College is a consortial partner and the lead institution in the CUNY School of Public Health (SPH). The CUNY SPH is comprised of public health degree programs at Brooklyn College, Hunter College, Lehman College and the Graduate School and University Center (Graduate Center) of CUNY. Within the CUNY SPH, teaching, research and service are focused on four broad inter-related goals that reflect major health challenges in the current era:

1) creating healthier cities
2) promoting healthy aging through the lifespan
3) preventing chronic diseases and improving their management
4) promoting health equity

The programs at the CUNY SPH at Hunter College educate students to contribute to improved urban health by addressing such problems as HIV, substance abuse, asthma, obesity, undernutrition, violence, heart disease and cancer. Students are prepared to work with the diverse populations living in cities, and to serve in a variety of settings in government, public and private agencies, hospitals, schools, community organizations and businesses. Many students go on to enroll in graduate programs after they earn the bachelor’s degree and qualified undergraduates can take selected graduate courses in Urban Public Health in their senior year.

CUNY SPH at Hunter College offers undergraduate degrees in Community Health - BS and Nutrition and Food Science - BS, a master of public health (MPH) degree, with specializations in community health education (COMHE), environmental and occupational health sciences (EOHS-MPH), epidemiology and biostatistics (EPI-BIOS), public health policy and management (HPM) and nutrition (NUTR-MPH). It also offers a Master of Science (MS) degree, with specializations in environmental and occupational sciences (EOHS-MS) and Nutrition (NUTR-MS). The MS degree in Nutrition (NUTR-MS) is an accredited didactic program in dietetics (DPD), and is designed for individuals seeking to become eligible to sit for the national registration examination in dietetics to become credentialed as a Registered Dietitian (RD). With the Hunter-Bellevue School of Nursing, it also offers an MSN/MPH degree in community health nursing. (Please see the Graduate catalog catalog.hunter.cuny.edu/content.php).

With the Graduate Center, the CUNY SPH at Hunter College offers a doctor of public health (DPH) degree, with specializations in community society and health, epidemiology, environmental and occupational health and public
health policy and management. The DPH degree program can be found at the CUNY Graduate Center website www.gc.cuny.edu/.

Community Health - BS Completion of 60 credits; combined grade point average of all postsecondary institutions attended of 2.5; one semester of biology with lab; one semester of statistics.

Nutrition and Food Science - BS Completion of 60 credits, including the following prerequisites: two semesters of anatomy and physiology with lab; one semester of general chemistry with lab; one semester of organic chemistry with lab; one semester of microbiology with lab; one semester of introductory food science; one semester of introductory nutrition. The introductory food science and nutrition courses may be completed in the summer session preceding entrance to the program. A grade of C or better must be earned in all prerequisites. The introductory food science and nutrition courses may be completed in the summer session preceding entrance to the program. An overall GPA of 2.8 is required for consideration. Owing to the competitive nature of the program, however, the actual GPA required for admission may be higher. Students who have completed 30 credits at Hunter College or at another City University institution at the time of the application will be given priority in the selection process. Students can attend on a full- or part-time basis during the day.

Administrative Office:

Diane Brows
CUNY School of Public Health at Hunter College
2180 3rd Ave, Room 308
212-396-7721
cuny sph@hunter.cuny.edu

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2180 3rd Ave, Room 502
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Acting University Associate Dean for Academic Affairs:

Susan Klitzman
2180 3rd Ave, Room 508
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Programs and Courses

Programs and Courses in Urban Public Health

Faculty

Faculty of the CUNY School of Public Health

Accelerated BS/MS in Nutrition (DPD)
This pathway is for third year NFS majors who are interested in completing their degree and then continuing at Hunter to obtain a master’s degree and verification statement (students will be provisionally accepted into the program in their junior year but must maintain grade requirements to matriculate into the MS-DPD program).

This accelerated pathway provides the opportunity for undergraduate students to remain at Hunter for their graduate coursework providing students the opportunity for academic acceleration to a graduate degree.

Since the MS-Nutrition curriculum meets the didactic program in dietetics (DPD) requirements established by the Commission on Accreditation for Dietetics Education (CADE), the credentialing arm of the American Dietetic Association (ADA), it will qualify students from this BS/MS accelerated track to apply for Dietetic Internships and continue their professional preparation for the Registered Dietitian (RD) credential.

To become an RD, students must have:

- **Completed a minimum of a bachelor’s degree** at a US regionally accredited university or college
- **Completed the DPD coursework (didactic program in dietetics)** approved by the Commission on Accreditation for Dietetics Education (CADE) of The American Dietetic Association (ADA).
- **Completed a CADE-accredited supervised practice program** such as a dietetic internship (DI). The Hunter DI is described in the graduate catalog and online at www.hunter.cuny.edu/schoolhp/nfs. For further information on the Hunter DI, contact Prof. Ann Gaba at agaba@hunter.cuny.edu.
- **Pass a national examination** administered by the Commission on Dietetic Registration (CDR).

**Career Opportunities for students graduating with this accelerated BS/MS:**

Dietetics is an allied health profession which focuses on the food and nutrition intake of individuals and its relationship to health. Registered dietitians are trained in the sciences and are able to translate scientific findings and help people live healthy lives. Major areas of practice include clinical, community, management, and consultant dietetics. More than half of all dietitians and nutritionists are found to work in hospitals, nursing homes, and physician's offices and clinics. More information about career opportunities may be found on the American Dietetic Association's website at [http://www.eatright.org](http://www.eatright.org).

**Academic Requirements for Entry into the MS-DPD in Junior Year**

Upper-division undergraduates who have completed 96 credits (GER, electives, and prerequisite coursework for the NFS major may qualify for this pathway if they:

1. are enrolled in the Hunter NFS major
2. have upper-division status and have fulfilled the prerequisite coursework by the end of spring semester of the Junior year (see “Prerequisite” chart below)
3. provide an official transcript verifying an overall [grade point average of at least 3.5 and at least 3.2 GPA in all required sciences](#) with no grade less “C” for the [Sciences and Statistics](#) and no grade less than a “B” for the [Introductory Nutrition and Food Science](#) courses.
4. have received the consent of the DPD Director, and provide a declaration of intent from the DPD Director showing a plan to complete the DPD requirements and receive a BS/MS degree.

**Prerequisite courses**

**CHEM 10000 - Essentials of General Chemistry Lecture**

GER 2/E

Essential facts, laws, and theories of general chemistry.
Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.

4 hrs (3 lec, 1 rec)3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.

Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.

prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec)1.5 cr.

CHEM 12000 - Essentials of Organic Chemistry Lecture

GER 2/E
Course presents essential facts, laws and theories of organic chemistry.

Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.

prereq: CHEM 10000
4 hrs (3 lec, 1 rec)3 cr.

CHEM 12100 - Essentials of Organic Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry.

Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.

prereq: CHEM 10100
prereq or coreq: CHEM 12000
4 hrs (3 lab, 1 rec)1.5 cr.

BIOL 12000 - Anatomy and Physiology I

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.

Not accepted for credit toward the biology major.

prereq: CHEM 10000, 10100
coreq: CHEM 12000, 12100
6 hrs (3 lec, 3 lab)4.5 cr.

fall only

BIOL 12200 - Anatomy and Physiology II

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.

Not accepted for credit toward the biology major.

prereq: BIOL 12000 or equiv.
6 (3 hrs lec, 3 hrs lab)4.5 cr.

spring only

BIOL 23000 - Fundamentals of Microbiology
GER 3/B
Topics include scope, historical aspects, taxonomy, survey of the microbial world, viruses, infectious diseases, control of microorganisms and immunology. Required for admission to the nursing program.
Not accepted for credit toward the biology Major I.
prereq: CHEM 10000, 10100, 12000, 12100 or equiv; BIOL 12000
coreq: BIOL 12200
5 hrs (2 lec, 3 lab) 3 cr.
spring only

NFS 14100 - Nutrition
Fundamentals of the science of nutrition as they apply to individuals and society.
Open to all students.
3 hrs 3 cr.

NFS 13100 - Food Science I
Basic principles of the chemical and physical nature of foods, food sanitation and safety; the nutritional value of food in relation to storage, processing and preparation.
Open to all students.
3 hrs 3 cr.

STAT 11300 - Elementary Probability and Statistics
GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs 3 cr.

-or-

MATH 15000 - Calculus with Analytic Geometry I
GER 1/B
Limits, continuity, differentiation and integration of elementary functions and trigonometric functions, applications.
prereq: grade of C or better in MATH 12500 or appropriate score on placement exam.
4 hrs 4 cr.

Students take graduate courses after completing 96 credits

Students must have completed 96 credits before they can start taking graduate courses. An overall GPA (combined grade point average from all postsecondary institutions attended) of 3.5 (upon completion of 96 cr) is required for consideration. Because of the competitive nature of the applicant pool and the small size of the incoming class, the admission process may favor applicants with an overall GPA greater than 3.5.
Undergraduates admitted to the program take graduate courses during their senior year and will be able to complete the MS-DPD degree one year after they complete the requirements for the BS (NFS) degree. These students will be admitted directly into the MS-DPD program without having to take the GRE exam. Upon completion of the requirements for the MS degree, both the BS and MS degrees will be awarded. These students will pay undergraduate tuition rates up to the number of credits required to earn a baccalaureate degree (120 cr) and credits taken after that number toward the combined dual degree will be paid at the graduate level. Students interested in this accelerated program should speak to the adviser in the Nutrition track during their sophomore year to review the curriculum path for the five-year program.

Students who have been provisionally accepted into the MS-DPD program but who do not maintain the required GPA will not be admitted to the MS-DPD program but will be eligible to receive a BS (NFS) degree from Hunter provided that they fulfill all other academic requirements for their undergraduate degree.

Curriculum Requirements

The accelerated BS/MS is a 137-credit program

Community Health - BS

Community Health

Program Coordinator:

Jessie Daniels
830 Brookdale West
(212) 481-5111
E-mail: jdaniels@hunter.cuny.edu
Web site: http://www.hunter.cuny.edu/uph/undergraduate

COMMUNITY HEALTH BS

Community health majors use organizing, educational, media and technological skills along with a sound knowledge of public health to encourage, maintain and improve the health of people in diverse communities. They develop, implement and coordinate health interventions, communicate with a variety of publics about what constitutes good health, how to prevent disease and illness and how to secure treatment when needed.

Community health majors are employed in community-based and human rights organizations, family planning clinics, mental health centers, homeless shelters, research centers, media organizations, as well as in city and state health departments. The BS degree in Community Health at Hunter provides the background for positions in the field and the academic background to pursue graduate education in public health, social work and related fields.

Fieldwork placements provide students with an opportunity to practice skills prior to graduation.

Admission Requirements

Completion of 60 credits; combined grade point average of all postsecondary institutions attended of 3.0; completion of all prerequisite courses.

The requirements for admission into the COMHE major are completion of 60 credits, including the following courses: one semester of statistics; one semester composition; two semesters of sociology; two semesters of anthropology; one semester chemistry with lab; two semesters of psychology, with a combined GPA of all postsecondary institutions.
attended of 3.0. Students enter the community health program in the fall semester only (no spring admission). Students may apply during the semester that they are completing prerequisites for the program. All applicants, including current Hunter College students, must apply for admission to the program.

Please note that prospective COMHE majors must also apply directly to the program in addition to applying for admission through CUNY. Further details about this two-step application process are available at the website: http://www.cuny.edu/site/sph.html

Requirements for Graduation in Community Health (120 cr.)

General Education Requirement

The Hunter General Education Requirement consists of a three-stage Core requirement and Graduation Requirement

- List of Approved Courses for GER Core Stage 1: Academic Foundations
- List of Approved Courses for GER Core Stage 2: Broad Exposure
- List of Approved Courses for GER Core Stage 3: Focused Exposure

As students fulfill their GER, they may select from the courses in the lists above except where indicated below:

Stage 1: Academic Requirements

Stage 1/B

**STAT 11300 - Elementary Probability and Statistics**

GER 1/B
Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

*prereq: MATH 10100 or appropriate score on placement exam*

*prereq or coreq: ENGL 12000*

3 hrs3 cr.

Stage 2: Broad Exposure

Stage 2/B

**PSYCH 10000 - Introduction to Psychology**

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

3 hrs3 cr.
PSYCH 15000 - Human Development

GER 2/B
Development from conception to death; biological, physiological and social factors and their interactions at each stage.

prereq: PSYC 10000
3 hrs 3 cr.

-or-

PSYCH 21000 - Child Psychology (D/S)

GER 3/B
Emotional, social, motor and cognitive development as influenced by genetic, cultural and individual factors during the first twelve years of life. (May not be taken for credit by students who have a collateral major, or a minor, in education.)

Writing Intensive

prereq: PSYC 10000 and any other 3 cr PSYCH course
prereq or coreq: ENGL 12000
3 hrs 3 cr.

Stage 2/E

CHEM 10000 - Essentials of General Chemistry Lecture

GER 2/E
Essential facts, laws, and theories of general chemistry.

Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
4 hrs (3 lec, 1 rec) 3 cr.

CHEM 10100 - Essentials of General Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.

Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq or coreq: CHEM 10000
4 hrs (3 lab, 1 rec) 1.5 cr.

COMHE 32800 - Public Health Biology

Introduction to population biology and ecological principles underlying public health and the relationship of biology to public health. Offers a basic understanding of the biological basis of core public health issues including infectious diseases, vaccines, genetic illnesses, neoplastic processes and environmental illnesses.

prereq: acceptance to the COMHE major or permission of the instructor
3 hrs 3 cr.

Graduation requirements

- Foreign language not required
• Writing: up to three courses in significant writing - “W” designated courses List of Approved Courses for the GER Writing Requirement
• Pluralism and Diversity List of Approved Courses for the GER Pluralism and Diversity Requirement

Note(s)

Note: An additional 6 credits in social science courses of 200-level or above are required for this major. See below. Selected Pluralism and Diversity courses may partially fulfill the social science requirement.

Specialization

• No minor required.

Required (42 cr)

**COMHE 30100 - Introduction to Community and Public Health**

An introduction to the study of structural inequalities that contribute to health disparities with an emphasis on communities – geographic, identity-based, or virtual, as the focus for research and intervention.

*prereq: acceptance to the COMHE major, or permission of the instructor.*

3 hrs 3 cr.

**COMHE 30200 - Principles of Health Promotion**

Introduction to community health methods; presentation skills, learning theories.

*prereq: acceptance to the COMHE major, or permission of instructor* 3 hrs 3 cr.

**COMHE 30300 - Social Structure and Health**

An exploration of the roles of economic structure and social linkages that shape health -- including power relations, interactions between subgroups within society, and tensions within groups over institutional control and individual agency.

*prereq: acceptance to the COMHE major, or permission of the instructor* 3 hrs 3 cr.

**COMHE 30400 - Introduction to Health Communication Theory and Practice**

An introduction to the field of health communication with a particular emphasis on theoretical constructs, case studies and U.S. and international practical models and applications. Highlights the multidisciplinary and multifaceted nature of health communication and its contribution to the achievement of behavioral, social and organizational objectives as one of the keys to public health interventions.

*prereq: acceptance to the COMHE major, or permission of the instructor* 3 hrs 3 cr.
COMHE 30600 - Social Disparities in Health

In depth examination of the social, cultural and political factors that influence and lead to health disparities and health inequalities. Course explores demographic trends in mortality and morbidity and the role of history, race, class, policy, and socioeconomic and cultural factors, and health literacy levels in the development and continuation of disparities in health. This course uses a social justice lens to understand health, health care and health disparities.

*prereq: acceptance to the COMHE major or permission of the instructor.*

3 hrs3 cr.

COMHE 32500 - Environmental Public Health

Impact of environmental problems associated with urbanization, e.g., water quality, air and noise pollution, waste disposal and radiation hazards.

*prereq: acceptance to the COMHE major, or permission of the instructor*

3 hrs3 cr.

COMHE 32800 - Public Health Biology

Introduction to population biology and ecological principles underlying public health and the relationship of biology to public health. Offers a basic understanding of the biological basis of core public health issues including infectious diseases, vaccines, genetic illnesses, neoplastic processes and environmental illnesses.

*prereq: acceptance to the COMHE major or permission of the instructor*

3 hrs3 cr.

COMHE 33000 - Principles of Epidemiology

Methods of study of disease; risk factors; distribution, causes, prevention, and control of selected diseases.

*prereq: Acceptance to the major, or permission of the instructor.*

3 hrs3 cr.

COMHE 40500 - Health Care Systems and Health Policy

Overview of U.S. health care system, official and voluntary agencies; introduction to administrative skills, especially those skills necessary for working the the health care field.

*prereq: Acceptance to the COMHE major or permission of the instructor.*

3 hrs3 cr.

COMHE 40800 - New Media and Health

An introduction to key technological advances and current use of new media (Internet and other digital media, mobile technology, etc.) to communicate about health issues as part of broad community based public health and health communication interventions. It also provides students with practical skills in creating media for health promotion.

*prereq: Acceptance to the COMHE major or permission of the instructor*

3 hrs3 cr.

COMHE 41100 - Community Health Assessment
Introduction to assessing health needs of communities and populations, in preparation for fieldwork.

prereq: acceptance to the COMHE major or permission of the instructor
3 hrs3 cr.

**COMHE 41200 - Directed Fieldwork Practicum**

prereq: acceptance to the COMHE major or permission of instructor
3 hrs3 cr.

**COMHE 41300 - Research Symposium**

Data analysis, evaluation and write up of fieldwork research projects culminating in production of e-Portfolio.

prereq: acceptance to the COMHE major or permission of the instructor
3 hrs3 cr.

**NFS 14100 - Nutrition**

Fundamentals of the science of nutrition as they apply to individuals and society.
Open to all students.
3 hrs3 cr.

Required Electives (6 cr.)

in COMHE, SOC, ANTH, any 200-level or above course, or

**NFS 13100 - Food Science I**

Basic principles of the chemical and physical nature of foods, food sanitation and safety; the nutritional value of food in relation to storage, processing and preparation.
Open to all students.
3 hrs3 cr.

Total Credits 120

**Nutrition and Food Science - BS**

CUNY School of Public Health at Hunter College

Nutrition and Food Science

Program Coordinator:

Arlene Spark
Brookdale 1000A West
(212)481-7590
E-mail: aspark@hunter.cuny.edu
Web site: http://www.hunter.cuny.edu/schoolhp/nfs/index.htm
The Nutrition and Food Science (NFS) major at Hunter College is a diverse science-based program where students learn about food and its effect on our health. It offers a comprehensive study of the fundamental principles of food preparation and safety, nutrition, food service management, and community nutrition education. This is accomplished through the application of a variety of sciences. Students who like physical and biological sciences, are interested in good health, enjoy working with people, and are concerned about the nutritional well-being of people and communities will find interesting and challenging career opportunities within health care fields or in the food industry. The NFS major at Hunter develops these interests and prepares students for challenging opportunities after graduation.

This major is designed for students who plan to enter the workforce directly out of college. The BS in NFS may be a terminal degree, or NFS graduates may elect to continue on for additional education. Students in the NFS major will take courses in nutrition, food science, food service management, research methods, community nutrition education, and epidemiology.

Along with providing students with a good preparation in nutrition, this major is also a good undergraduate preparation for those who might want to go into allied health fields, social work, or other human service professions. The elective courses also allows these undergraduate students who may wish to pursue medicine, nursing, physical therapy or other health careers to take additional science and other pre-requisite coursework for those programs.

Career Opportunities: The BS in NFS degree provides graduates with a wide variety of career opportunities. Foods and nutrition majors frequently work with athletes, weight control and fitness programs, or other special groups like WIC (Women, Infants & Children in community settings. Industries like hotels, airlines, universities, food service chains, and industrial cafeterias employ food service managers. Graduates can become food science technical specialists and conduct research, development and quality control of food products for food companies. It is also possible to use foods and nutrition knowledge for jobs in advertising, marketing and in the mass media. Students can become consultants to television programs, or write articles on food for newspapers. Students may take steps after graduation to enter a graduate didactic program in dietetics to become registered dietitians.

Note: This major is not a didactic program in dietetics (DPD) and does NOT prepare the student to become a registered dietitian.

Admission Requirements

Students planning to apply for admission to the School of Health Sciences Nutrition and Food Science track should attend a group orientation session for prospective students held every October and February. Individual appointments with a faculty adviser may also be requested by calling (212) 481-5111.

After completion of 45 credits and most of the General Education Requirements (GER), Hunter students may see an NFS adviser for pre-NFS major advising; however, pre-major status does not guarantee later acceptance into the major. Pre-majors must follow the same application procedures as any other student. Students enter the program in the fall semester and can attend on a full-time or part-time basis during the day. The Hunter College GER should be met before entrance into the NFS major. The requirements for admission into the NFS major are completion of 60 credits, including the following courses: two semesters of anatomy and physiology with lab; one semester of general chemistry with lab; one semester of organic chemistry with lab; one semester of microbiology with lab; one semester of introductory food science; one semester of introductory nutrition. A grade of C or better must be earned in all science prerequisites, and a grade of B or better in the two nutrition and food science courses.

The prerequisite courses must be completed by the end of the summer session preceding entrance into the NFS major. An overall GPA (combined grade point average from all postsecondary institutions attended) of 2.8 is required for consideration. Because of the competitive nature of the applicant pool and the small size of the incoming class, the admission process may favor applicants with an overall GPA greater than 2.8. Students who have completed 30 credits at Hunter College or at another City University institution at the time of application will be given priority in the selection process.
All applicants, including those currently enrolled at Hunter College, must file a City University of New York (CUNY) Transfer (Advanced Standing) application. The application may be obtained at Hunter’s 68th Street campus in the college’s Welcome Center, Room 100 North Building, (212) 772-4490, online at http://admissions.hunter.cuny.edu, at CUNY’s Office of Admission Services, 1114 Avenue of the Americas, New York NY 10036, (212) 997-2869 and at all CUNY campuses. You can also apply online at www.cuny.edu.

The transfer application and required supporting academic records must be mailed to the University Application Processing Center, PO Box 359023, Brooklyn, New York, 11235-9023 by March 1. Applications that arrive after March 1 are not given priority consideration and are processed on a space available basis. Applicants with completed applications by the deadline date can expect to be notified no later than May 1.

Students who have not completed the prerequisite course requirements to be considered for admission to the NFS major may wish to transfer to Hunter College as liberal arts and science students. These students should follow the same transfer admission process detailed above for the following year.

CUNY students with an earned AA or AS degree in fall 2003 and after are exempt from the Core requirements of the GER but must fulfill the graduation requirements of significant writing, and pluralism and diversity. Students must have successfully completed the other prerequisites before applying as a NFS major. Transfer students who have not earned a degree, or who have earned an associate degree from a non-CUNY institution are required to complete the Hunter GER requirements in order to graduate.

Requirements for Graduation with a BS in Nutrition and Food Science (120 credits)

General Education Requirement 39-51 cr

The Hunter General Education Requirement consists of a three-stage Core requirement and Graduation Requirement

- List of Approved Courses for GER Core Stage 1: Academic Foundations
- List of Approved Courses for GER Core Stage 2: Broad Exposure
- List of Approved Courses for GER Core Stage 3: Focused Exposure

As students complete their GER, they should include the prerequisites for NFS, which may also be applied to the college’s graduation requirements of writing and pluralism and diversity (foreign language not required for NFS major). They may select from the courses in the lists above except where indicated below:

Stage 1: Academic Foundations

Stage 1/B

STAT 11300 - Elementary Probability and Statistics

GER 1/B

Not open to students who have completed STAT 21300 or PSYCH 24800. Not credited for majors in statistics or mathematics unless minor is elementary education. An introduction to applied statistics and statistical computing. Hands-on data analysis. Graphical inference. The five number summary, box plots, scatterplots, normal probability plots. Elementary probability. Statistical estimation and hypothesis testing. Linear regression. Students are expected to analyze real data sets and write reports. Students who have taken calculus or place into calculus by the placement exam should take STAT 21300 instead of STAT 11300.

prereq: MATH 10100 or appropriate score on placement exam
prereq or coreq: ENGL 12000
3 hrs 3 cr.

Stage 2: Broad Exposure

Stage 2/A

**ENGL 22000 - Introduction to Literature**

GER 2/A
Close reading in British and American fiction, drama and poetry designed to increase students' understanding and appreciation of literature. Prerequisite to all English literature courses numbered above 220.

*prereq: ENGL 12000
3 hrs + conf 3 cr.*

Stage 2/B

**ECO 10000 - Introduction to Economics**

GER 2/B
Basic economic concepts and thought; issues and policy. Recommended as a first course for students with no prior courses in economics.

*Not open to students who have taken or are currently enrolled in ECO 20000 or 20100 or their equivalents.
3 hrs 3 cr.*

**PSYCH 10000 - Introduction to Psychology**

GER 2/B
An introduction to the problems, methods and concepts of psychology, covering a range of topics which characterize the discipline, including history, methodology and professional ethics, biological foundations, perception, motivation and emotion, learning, memory and thinking, individual differences, intelligence, personality, behavior disorders and their treatment, group processes.

*3 hrs 3 cr.*

Stage 2/E

**CHEM 10000 - Essentials of General Chemistry Lecture**

GER 2/E
Essential facts, laws, and theories of general chemistry.

*Note: Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food science and community health education students.
4 hrs (3 lec, 1 rec) 3 cr.*

**CHEM 10100 - Essentials of General Chemistry Laboratory**

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of general chemistry.

*Core credit awarded only if CHEM 10000 and CHEM 10100 are completed. Primarily for nursing, nutrition and food*
CHEM 12000 - Essentials of Organic Chemistry Lecture

GER 2/E
Course presents essential facts, laws and theories of organic chemistry. 
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10000
4 hrs (3 lec, 1 rec)3 cr.

CHEM 12100 - Essentials of Organic Chemistry Laboratory

GER 2/E
Experiments designed to illustrate fundamental laws and techniques of organic chemistry. 
Core credit awarded only if CHEM 12000 and CHEM 12100 are completed. Primarily for nursing, nutrition and food science and community health education students.
prereq: CHEM 10100prereq or coreq: CHEM 12000
4 hrs (3 lab, 1 rec)1.5 cr.

Allied Courses

BIOL 12000 - Anatomy and Physiology I

Cell structure and function; histology; nervous, muscular and skeletal systems; integument. Required for admission to the nursing program.
Not accepted for credit toward the biology major.
prereq: CHEM 10000, 10100coreq: CHEM 12000, 12100
6 hrs (3 lec, 3 lab)4.5 cr.
fall only

BIOL 12200 - Anatomy and Physiology II

Structure and function of circulatory, digestive, excretory, endocrine and reproductive systems. Basic concepts of metabolism, embryology. Required for admission to the nursing program.
Not accepted for credit toward the biology major.
prereq: BIOL 12000 or equiv.
6 (3 hrs lec, 3 hrs lab)4.5 cr.
spring only

BIOL 23000 - Fundamentals of Microbiology

GER 3/B
Topics include scope, historical aspects, taxonomy, survey of the microbial world, viruses, infectious diseases, control of microorganisms and immunology. Required for admission to the nursing program.
Not accepted for credit toward the biology Major I.
prereq: CHEM 10000, 10100, 12000, 12100 or equiv; BIOL 12000coreq: BIOL 12200
5 hrs (2 lec, 3 lab)3 cr.
spring only
**BIOL 28000 - Biochemistry of Health and Nutrition**

GER 3/B  
Basic biochemistry in areas related to human health and nutrition. Designed for students in the dietetics program.  
*(Not accepted for credit toward biology Major I.)*  
**prereq:** BIOL 10000, 10200 or 12000, 12200; CHEM10000, 12000  
3 hrs (lec)3 cr.  
**fall only**

**Pluralism and Diversity 0-12 cr***

List of Approved Courses for the GER Pluralism and Diversity Requirement  
*all courses used to satisfy P&D requirements may simultaneously meet other GER

**Writing 0-9 cr***

List of Approved Courses for the GER Writing Requirement  
* up to 3 courses in significant writing “W” designated courses  
*courses meeting Significant writing may also meet other GER.

**Required DPD Courses 30 cr**

Prerequisite courses (open to non-majors)

**NFS 13100 - Food Science I**

Basic principles of the chemical and physical nature of foods, food sanitation and safety; the nutritional value of food in relation to storage, processing and preparation.  
*Open to all students.*  
3 hrs3 cr.

**NFS 14100 - Nutrition**

Fundamentals of the science of nutrition as they apply to individuals and society.  
*Open to all students.*  
3 hrs3 cr.

Open to majors only

**NFS 33300 - Nutrition Education**

Introduction to the theories and principles of the teaching-learning process in the field of nutrition.  
*Open to NFS majors only and need department permission.*  
**prereq:** NFS 13100, 14100  
3 hrs3 cr.

**NFS 33500 - Institutional Management**
Overview of the theories, functions and tasks of management. Discussion of labor and effective methods for directing an operation with applications drawn from food service. 

_Open to NFS majors only and need department permission._

_prereq: NFS 13100, 14100, ECO 10000_

3 hrs3 cr.

**NFS 34200 - Nutrition and Human Development**

Nutritional needs throughout the life cycle: pregnancy, infancy, childhood, adolescence, adulthood and later years. 

_Open to NFS majors only and need department permission._

_prereq: NFS 34100_

3 hrs3 cr.

**NFS 40200 - Seminar in Nutrition and Food Science**

Research in nutrition and food science; examination of professional goals. 

_Open to NFS majors only and need department permission._

_prereq: NFS 34300_

3 hrs3 cr.

**NFS 43500 - Food Service Systems**

The organization and administration of a food service operation from the systems approach on the tactical and strategic level, stressing learning activities and competencies required by the American Dietetic Association. 

_Open to NFS majors only and need department permission._

_prereq: NFS 33500_

3 hrs3 cr.

**NFS 44100 - Community Nutrition**

Analysis of nutrition services, legislation and policy; role and function of community nutritionists; nutrition education in a community setting. 

_Open to NFS majors only and need department permission._

_prereq: NFS 33300, 34200_

3 hrs3 cr.

**NFS 44351 - Practicum in Nutrition and Food Science**

Practicum in institutions, agencies, business and research firms; projects. 

_Open to NFS majors only and need department permission._

_prereq: NFS 44200_

7 hrs (1 lec, 6 lab)3 cr.

**COMHE 33000 - Principles of Epidemiology**

Methods of study of disease; risk factors; distribution, causes, prevention, and control of selected diseases. 

_prereq: Acceptance to the major, or permission of the instructor._

3 hrs3 cr.

Elective Courses 18 to 39 cr
Summary 120 cr.

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Total Credits 120

**COMHE 15000 - Introduction to the Health Care System**

A survey of the organization of the United States health care system, the perspectives of consumers, providers and organizers. Various health professions will be examined as well as the major health concerns that exist today.

*prereq: none*

3 hrs 3 cr.

**COMHE 20000 - Controversial Issues in Health and Health Care**

A contemporary health controversy examined through the disciplines of community and public health and health care.

*prereq: none*

3 hrs 3 cr.

**COMHE 20400 - AIDS and Society**

The HIV/AIDS pandemic examined from a variety of perspectives: epidemiology, sociology, and media.

3 hrs 3 cr.

**COMHE 30100 - Introduction to Community and Public Health**

An introduction to the study of structural inequalities that contribute to health disparities with an emphasis on communities – geographic, identity-based, or virtual, as the focus for research and intervention.

*prereq: acceptance to the COMHE major, or permission of the instructor.*

3 hrs 3 cr.

**COMHE 30200 - Principles of Health Promotion**
Introduction to community health methods; presentation skills, learning theories.

prereq: acceptance to the COMHE major, or permission of instructor
3 hrs3 cr.

COMHE 30300 - Social Structure and Health

An exploration of the roles of economic structure and social linkages that shape health -- including power relations, interactions between subgroups within society, and tensions within groups over institutional control and individual agency.
prereq: acceptance to the COMHE major, or permission of the instructor
3 hrs3 cr.

COMHE 30400 - Introduction to Health Communication Theory and Practice

An introduction to the field of health communication with a particular emphasis on theoretical constructs, case studies and U.S. and international practical models and applications. Highlights the multidisciplinary and multifaceted nature of health communication and its contribution to the achievement of behavioral, social and organizational objectives as one of the keys to public health interventions.
prereq: acceptance to the COMHE major, or permission of the instructor
3 hrs3 cr.

COMHE 30600 - Social Disparities in Health

In depth examination of the social, cultural and political factors that influence and lead to health disparities and health inequalities. Course explores demographic trends in mortality and morbidity and the role of history, race, class, policy, and socioeconomic and cultural factors, and health literacy levels in the development and continuation of disparities in health. This course uses a social justice lens to understand health, health care and health disparities.
prereq: acceptance to the COMHE major or permission of the instructor.
3 hrs3 cr.

COMHE 32100 - Addictions and Dependencies

Recent research on alcohol, narcotics and other chemical dependencies. Strategies for intervention, prevention, and treatment, with emphasis on role of health education.
prereq: none
3 hrs3 cr.

COMHE 32200 - Maternal and Child Health

Social, behavioral, and medical factors involved in contraception counseling, abortion and sterilization, prenatal care, childbirth, child health, parenting, and prevention of family violence. Effect of public, social welfare, and public health policy on mothers and children.
prereq: none
3 hrs3 cr.

COMHE 32300 - Health and Aging

Demography, epidemiology, and sociology of aging. Public health policy and recent legislation affecting seniors and older adults in the U.S. and globally.
**COMHE 32400 - Human Sexuality**

Study of interaction of social, affective, and behavioral dimensions of sexuality, including gender identity, with a particular focus on the way sexuality shapes community health.

*prereq: none
3 hrs3 cr.*

**COMHE 32500 - Environmental Public Health**

Impact of environmental problems associated with urbanization, e.g., water quality, air and noise pollution, waste disposal and radiation hazards.

*prereq: acceptance to the COMHE major, or permission of the instructor
3 hrs3 cr.*

**COMHE 32600 - HIV/AIDS: An Interdisciplinary Perspective for Health Care Providers**

Interdisciplinary perspective on the impact of the HIV epidemic on the biological, psychological and social dimensions of people affected by HIV/AIDS.

*prereq: none
3 hrs3 cr.*

**COMHE 32800 - Public Health Biology**

Introduction to population biology and ecological principles underlying public health and the relationship of biology to public health. Offers a basic understanding of the biological basis of core public health issues including infectious diseases, vaccines, genetic illnesses, neoplastic processes and environmental illnesses.

*prereq: acceptance to the COMHE major or permission of the instructor
3 hrs3 cr.*

**COMHE 33000 - Principles of Epidemiology**

Methods of study of disease; risk factors; distribution, causes, prevention, and control of selected diseases.

*prereq: Acceptance to the major, or permission of the instructor
3 hrs3 cr.*

**COMHE 40000 - Topics in Community Health and Public Health**

Content varies from semester to semester to address changing needs of profession.

*prereq: none
3 hrs3 cr.*

**COMHE 40500 - Health Care Systems and Health Policy**

Overview of U.S. health care system, official and voluntary agencies; introduction to administrative skills, especially those skills necessary for working the health care field.
prereq: Acceptance to the COMHE major or permission of the instructor.
3 hrs 3 cr.

COMHE 40800 - New Media and Health

An introduction to key technological advances and current use of new media (Internet and other digital media, mobile technology, etc.) to communicate about health issues as part of broad community based public health and health communication interventions. It also provides students with practical skills in creating media for health promotion.
prereq: Acceptance to the COMHE major or permission of the instructor
3 hrs 3 cr.

COMHE 41100 - Community Health Assessment

Introduction to assessing health needs of communities and populations, in preparation for fieldwork.
prereq: acceptance to the COMHE major or permission of the instructor
3 hrs 3 cr.

COMHE 41200 - Directed Fieldwork Practicum

prereq: acceptance to the COMHE major or permission of instructor
3 hrs 3 cr.

COMHE 41300 - Research Symposium

Data analysis, evaluation and write up of fieldwork research projects culminating in production of e-Portfolio.
prereq: acceptance to the COMHE major or permission of the instructor
3 hrs 3 cr.

COMHE 42000 - Introduction to Clinical Medicine

Role of health professionals in treatment, management and control of disease.
prereq: BIOL 12000 or 12200 or equiv.
3 hrs 3 cr.

COMHE 48010 - Independent Study

Total credits in independent study courses and honors may not exceed 6.
prereq: perm director
hrs TBA1-3 cr. respectively

COMHE 48020 - Independent Study

Total credits in independent study courses and honors may not exceed 6.
prereq: perm director
hrs TBA1-3 cr. respectively

COMHE 48030 - Independent Study
Total credits in independent study courses and honors may not exceed 6.
prereq: perm director
hrs TBA - 3 cr. respectively

COMHE 49000 - Honors

Total credits in independent study courses and honors may not exceed 6.
prereq: perm director
hrs TBA - 3 cr.

NFS 13100 - Food Science I

Basic principles of the chemical and physical nature of foods, food sanitation and safety; the nutritional value of food in relation to storage, processing and preparation.
Open to all students.
3 hrs 3 cr.

NFS 14100 - Nutrition

Fundamentals of the science of nutrition as they apply to individuals and society.
Open to all students.
3 hrs 3 cr.

NFS 33200 - Cultural Aspects of Food and Nutrition

Study of the way in which cultural, social and technological factors influence food behavior and dietary patterns.
Open to NFS majors only and need department permission.
prereq: NFS 13100, 14100, ANTHP 10100, SOC 101)
3 hrs 3 cr.

NFS 33300 - Nutrition Education

Introduction to the theories and principles of the teaching-learning process in the field of nutrition.
Open to NFS majors only and need department permission.
prereq: NFS 13100, 14100
3 hrs 3 cr.

NFS 33500 - Institutional Management

Overview of the theories, functions and tasks of management. Discussion of labor and effective methods for directing an operation with applications drawn from food service.
Open to NFS majors only and need department permission.
prereq: NFS 13100, 14100, ECO 10000
3 hrs 3 cr.

NFS 34200 - Nutrition and Human Development

Nutritional needs throughout the life cycle: pregnancy, infancy, childhood, adolescence, adulthood and later years.
Open to NFS majors only and need department permission.
prereq: NFS 34100
3 hrs 3 cr.

**NFS 36100 - Food and the Consumer**

Food issues; food services available to the consumer; responsibilities of the private and public sectors.
*Open to NFS majors only and need department permission.*
*prereq: NFS 13100, 14100, 33100, ECO 10000*
3 hrs 3 cr.

**NFS 40100 - Techniques of Communication in Nutrition**

Theory/practice of communications skills for nutritionists/food scientists. Includes food demonstrations, public relations, and advertising.
*Open to NFS majors only and need department permission.*
*prereq: NFS 33300*
3 hrs 3 cr.

**NFS 40200 - Seminar in Nutrition and Food Science**

Research in nutrition and food science; examination of professional goals.
*Open to NFS majors only and need department permission.*
*prereq: NFS 34300*
3 hrs 3 cr.

**NFS 43100 - Experimental Foods**

Scientific approach to food testing; use of instruments and techniques in food and nutrition laboratories.
*Open to NFS majors only and need department permission.*
*prereq: NFS 33100, 34100*
5 hrs (2 lec, 3 lab) 3 cr.

**NFS 43400 - Nutrition and the Elderly**

Psychological, psychosocial, and economic problems of the elderly; how needs are met by government and private agencies. Application of nutrition to these problems.
*Open to NFS majors only and need department permission.*
*prereq or coreq: NFS 34200, PSYCH 10000, SOC 10100*
3 hrs 3 cr.

**NFS 43500 - Food Service Systems**

The organization and administration of a food service operation from the systems approach on the tactical and strategic level, stressing learning activities and competencies required by the American Dietetic Association.
*Open to NFS majors only and need department permission.*
*prereq: NFS 33500*
3 hrs 3 cr.

**NFS 44100 - Community Nutrition**
Analysis of nutrition services, legislation and policy; role and function of community nutritionists; nutrition education in a community setting.

Open to NFS majors only and need department permission.
prereq: NFS 33300, 34200
3 hrs 3 cr.

**NFS 44351 - Practicum in Nutrition and Food Science**

Practicum in institutions, agencies, business and research firms; projects.
Open to NFS majors only and need department permission.
prereq: NFS 44200
7 hrs (1 lec, 6 lab) 3 cr.

**NFS 44352 - Practicum in Nutrition and Food Science**

Practicum in institutions, agencies, business and research firms; projects.
Open to NFS majors only and need department permission.
prereq: NFS 44200
7 hrs (1 lec, 6 lab) 3 cr.

**NFS 44354 - Practicum in Nutrition and Food Science**

Practicum in institutions, agencies, business and research firms; projects.
Open to NFS majors only and need department permission.
prereq: NFS 44200
7 hrs (1 lec, 6 lab) 3 cr.

**NFS 44355 - Practicum in Nutrition and Food Science**

Practicum in institutions, agencies, business and research firms; projects.
Open to NFS majors only and need department permission.
prereq: NFS 44200
7 hrs (1 lec, 6 lab) 3 cr.

**NFS 44356 - Practicum in Nutrition and Food Science**

Practicum in institutions, agencies, business and research firms; projects.
Open to NFS majors only and need department permission.
prereq: NFS 44200
7 hrs (1 lec, 6 lab) 3 cr.

**NFS 48031 - Independent Study in Nutrition and Food Science**

Open to NFS majors only and need department permission.
prereq: NFS 44200, perm dept. chair
hrs TBA 1 – 3 cr.
Respectively may be taken 1 or 2 sem.

**NFS 48032 - Independent Study in Nutrition and Food Science**
Open to NFS majors only and need department permission.

prereq: NFS 44200, perm dept. chair
hrs TBA - 3 cr.
Respectively may be taken 1 or 2 sem.

NFS 49000 - Honors in Nutrition and Food Science

Supervised independent research project. A written report or suitable presentation is required. Proposal must be presented the semester before work is done.

prereq: NFS 44200, perm NFS coordinator
hrs TBA - 3 cr.

Programs and Courses in Women and Gender Studies

Women and Gender Studies

About the Program

The Hunter College Women and Gender Studies Program is an interdisciplinary academic program that seeks to preserve, expand and share knowledge about women and gender. The Program reexamines the historical record to make visible women’s contributions to the world’s knowledge and cultures. It aims, through a focus on women’s experiences, to open fresh perspectives throughout the curriculum. The Women and Gender Studies Program seeks to create an understanding of the ways in which gender intersects with race, religion, class, ethnicity, ability and sexual orientation to shape all human experience, including the pursuit of learning.

The Women and Gender Studies Program includes a broad community of faculty, affiliated faculty, students, and staff and is administered by a director and a policy committee of elected faculty and student representatives. Most courses in the program are cross-listed in an academic department; these have been developed through the initiative of Women and Gender Studies-affiliated faculty throughout the college.

The Women and Gender Studies Program draws on the commitment and expertise of feminist scholars in more than 15 academic departments for our wide range of course offerings. The Women and Gender Studies major is useful, directly and indirectly, in all fields involving an analysis of society and social interaction. Women and Gender Studies graduates may seek employment in any field, including such areas as health care, counseling, advertising, market research, publishing, teaching, public service, advocacy or administrative work. The major is an appropriate preparation for professional schools and for postgraduate work in Women and Gender Studies or in one of the many disciplines from which the major draws its curriculum.

Programs and Courses

Programs and Courses in Women and Gender Studies

Administration and Faculty

Program Office:
Faculty

Women and Gender Studies Faculty

HEGIS Code: 4903

Undergraduate Major

Women and Gender Studies - BA

Major

The Women and Gender Studies Program offers a 24-credit major. The 24 required credits are distributed as follows:

A. 3 Credits

WGS 10000 - Introduction to Women Studies

GER 2/B PD/C
Traditional definitions of women's nature in myth and symbol, media and popular culture, theories of gender in biology and psychology; women's role in family structures; women's relations to religion, education, health, work and politics. Examples are cross-cultural, contemporary and historical.
3 hrs 3 cr.

B. 3 Credits
WGS 20100 - Classics in Feminist Thought (W)

GER 3/A or B PD/C
Study of feminist thought across a variety of historical periods and cultural contexts.
prereq: WGS 10000, ENGL 12000 or equiv.
3 hrs3 cr.

C. Senior Seminar 3 credits

WGS 31000 - Research Seminar: Feminist Theory and Methodology

Open to Jr/Sr only. Study of the theoretical models that feminist scholars create to guide their work and application of feminist methodology to a research project. To graduate with honors in Women's Studies, majors must enroll in this seminar.
Note: Students may take WGS 31000 or 32000 to satisfy the Senior Seminar requirement in the major; students may also opt to take both courses. Since both classes are not taught every semester, students are urged to consult the program director in advance to plan their senior seminar
prereq: WGS 10000, 20100, at least one other WGS course at 200-level or higher
3 hrs3 cr.
spring semester

WGS 32000 - Internship Seminar: Feminist Activism and Advocacy

Open to Jr/Sr only. Practical experience in one of a variety of agencies and organizations related to the needs or concerns of women. Weekly seminar devoted to discussion of feminist activism and advocacy.

Note: Students may take WGS 31000 or 32000 to satisfy the Senior Seminar requirement in the major; students may also opt to take both courses. Since both classes are not taught every semester, students are urged to consult the program director in advance to plan their senior seminar.
prereq: WGS 10000 and 20100 and at least one other WGS course at the 200 level or higher.
7-10 hrs3-4 cr.
spring semester

Students may opt to take both the research seminar and the internship seminar or a substitute approved by the program.

D. Electives 15 Credits

Fifteen credits are chosen from the courses listed below. Majors must take at least one course in each subfield of the discipline (feminism, gender and sexuality, and women in culture and society) and must complete at least one elective course at the 300 level or above.

Independent Study

may be applied only once toward the major

WGS 39300 - Independent Research
Independent research guided by a faculty member on a subject of student's choice in the field of Women and Gender Studies.

Note: Independent Study (WGS 29800 or 39300) may be applied only once toward the major.

prereq: perm. program director
3 hrs3 cr.

**WGS 29800 - Internship**

Independent Study (WGS 29800 or 39300) may be applied only once toward the major.

prereq: perm program director
hrs TBA1-6 cr.

**Minor in Women and Gender Studies - 12 credits**

A minor in Women and Gender Studies consists of 12 credits. Students who elect to minor in Women and Gender Studies must take the WGS 10000 and WGS 20100 core courses plus 6 elective credits.

**Internships**

Majors may satisfy the Senior Seminar requirement by interning in organizations that relate to the needs or concerns of women, and by simultaneously enrolling in WGS 32000 Internship Seminar, where their internship experiences and assigned readings will be discussed. Majors may also take the research seminar at the same time. The internship option is available to minors as well as majors. Interested students should consult with the program director before registering for the internship seminar. Students who wish to undertake an independently arranged internship outside of the formal internship seminar may enroll in WGS 29800 with the permission of the program director.

**Research Seminar**

Majors may satisfy the Senior Seminar requirement of the major by enrolling in the Research Seminar (WGS 31000), a capstone course in which they will apply feminist theory and methodology to a significant research project resulting in a substantial paper. Students who wish to qualify for honors in Women and Gender Studies must enroll in the research seminar.

**Honors**

In order to graduate with honors in Women and Gender Studies, a student must have a 3.5 GPA in the Women and Gender Studies major and a college-wide cumulative index of at least 3.0. Students should submit a 18-20 page paper written for any Women and Gender Studies 300 level class including but not limited to the Research Seminar (WGS 31000). The student must submit the paper by March 15 (for June graduation) and October 15 (for December graduation) to be considered for program honors. The papers will be read by a faculty committee to judge whether it merits honors.

**Women and Gender Studies: Required Courses**

**WGS 10000 - Introduction to Women Studies**
GER 2/B PD/C
Traditional definitions of women's nature in myth and symbol, media and popular culture, theories of gender in biology and psychology; women's role in family structures; women's relations to religion, education, health, work and politics. Examples are cross-cultural, contemporary and historical.
3 hrs3 cr.

WGS 20100 - Classics in Feminist Thought (W)

GER 3/A or B PD/C
Study of feminist thought across a variety of historical periods and cultural contexts.
prereq: WGS 10000, ENGL 12000 or equiv.
3 hrs3 cr.

Women and Gender Studies: Feminism

WGS 20900 - Women and Gender in Western Political Thought (W)

GER 3/B PD/C or D
The history of political thought from the perspective of gender relations and the treatment of women.
cross-listed POLSC 20900
prereq: ENGL 12000 or equiv.
3 hrs3 cr.

WGS 21600 - Women Philosophers of the Past

GER 3A PD/C
Study of the writings and ideas of selected women philosophers who lived before the contemporary feminist movement.
cross-listed PHILO 21600
prereq: ENGL 12000, one course in philosophy
3 hrs

WGS 23000 - Feminism: Philosophical Theory and Practice (W)

GER 3/A PD/C
Analysis of feminist theories and their practical implications.
cross-listed PHILO 23000
prereq: ENGL 12000 and one course in philosophy
3 hrs3 cr.

WGS 24400 - Transnational Feminisms

GER 3/A or B PD/C
Exploring the gender dynamics of racial, ethnic, and economic relations of power in domestic, international, and transnational settings. We will examine feminist scholarship produced by and about American women of color, Third World women, and other social and political actors whose experiences and thinking have shaped contemporary ideas about gender in different parts of the world.
prereq: WGS 10000, ENGL 12000
3 hrs3 cr.

WGS 30900 - Feminist Political Theory

GER 3/B PD/C
Readings in feminist ideas, both historical and contemporary, on issues of power, justice and equality. The course will emphasize different perspectives, including those of liberal, radical, postmodernist, women of color, third world and global feminists.
cross-listed POLSC 30900
prereq: ENGL 12000
3 hrs3 cr.

WGS 36000 - Feminist Social Theory

GER 3/B PD/C
An introduction to feminist theory developed by women from Western, Third World and other countries.
cross-listed SOC 36000
prereq: SOC 10100 or perm instr.
3 hrs3 cr.

Women and Gender Studies: Gender and Sexuality

WGS 15000 - Introduction to LGBTQI Studies

GER 2/B PD/C
Psychological foundations, sexual development and response patterns; male and female roles; individual and social attitudes, legal issues.

3 hrs3 cr.

WGS 17000 - Psychology of Human Sexuality

GER 2/B PD/C
Psychological foundations, sexual development and response patterns; male and female roles; individual and social attitudes, legal issues.
cross-listed PSYCH 17000
prereq: PSYCH 10000
3 hrs3 cr.

WGS 19000 - Development of Gender Roles

GER 2/B PD/C
Social, cognitive, hormonal and personality factors in development of gender roles; determinants of behavioral and cognitive gender differences.
cross-listed PSYCH 19000
3 hrs3 cr.
WGS 25700 - Sex and Gender Roles

GER 3/B PD/C
Sex role differentiation: femininity, masculinity, marriage, child rearing.
cross-listed SOC 25700
prereq: SOC 10100 or perm instr.
3 hrs3 cr.

WGS 28700 - Masculinities

GER 3/B P/D C
The aim of this course is for students to develop an understanding of how knowledge about masculinities changes the way we see most areas of scholarship and daily life. This course engages scholarship on masculinities from the interdisciplinary study of sex and gender systems drawing on feminist literature; we will also study a variety of present day men’s movements and understand how they relate to feminist movements.
prereq: ENGL 12000

WGS 30100 - Gender in Anthropological Perspective

GER 3/B PD/C
Men and women in different societies, division of labor, socialization, stratification, political activism and gender construction.
cross-listed ANTHC 30100
prereq: ANTHC 10100 or perm instr.
3 hrs3 cr.

WGS 38700 - Queer Theory

GER 3/B PD/C
Examination of recent contemporary queer theory and politics in the United States, with particular attention paid to its intersections with feminism, critical race theory, class analysis and religion. Course time will also be dedicated to learning to write effectively about political theory.
prereq: WGS 10000
3 hrs3 cr.

Women and Gender Studies: Women in Culture and Society

WGS 15600 - Culture of Imperial Russia: The Age of Empresses

GER 2/C PD/C
Major cultural movements of the Empire baroque, classicism, romanticism and their effect on the cultural fabric of Russia from Regent Sophia through the reign of Peter to Catherine the Great.
cross-listed RUSS 15600
prereq: ENGL 12000
3 hrs3 cr.

WGS 20005 - Dominican and Haitian Literature and Culture
WGS 20600 - Gender and Immigration

GER 3/B PD/B
A study of the historical and contemporary aspects of United States immigration patterns and policy with a particular focus on gender and race.
prereq: WGS 10000 and ENGL 12000
3 hrs 3 cr.

WGS 21100 - Women in the 3rd World

Study of the historical, political, social, and economical status of women in the developing world.
3 hrs 3 cr.

WGS 21900 - Women and the Law (W)

GER 3/B PD/C
Overview of how local, state and federal laws treat people on basis of sex.
cross-listed POLSC 21900
prereq: ENGL 12000
3 hrs 3 cr.

WGS 22100 - Women in the Islamic World

Overview of the role of gender in Islam.
3 hrs 3 cr.

WGS 22252 - Topics in Genre Studies: The Woman's Film of the 1940s

GER 3A PD/C
Discussion of the women's film, an umbrella term for a series of genres (melodrama, gothic film, comedies) in which the woman is the main protagonist as well as the intended spectator.
Depending on topic, will satisfy a GER category.
cross-listed FILM 22252
prereq: FILM 10100
4 hrs 3 cr.

WGS 22300 - Sociology of the Family

GER 3/B PD/C
Family functions and interaction. Factors affecting stability and instability.
cross-listed SOC 20100
prereq: SOC 10100
3 hrs 3 cr.

WGS 23500 - The Psychology of Women (W)

GER 3/B PD/C
Psychological functioning of women; sexuality, pregnancy, social roles and status, aging, achievement, life styles, power.
cross-listed PSYCH 23500
prereq: 6 cr. in PSYCH courses
3 hrs3 cr.

WGS 23900 - Child Welfare (W)

GER 3/B
Historical and contemporary perspectives on the impact of poverty on children and the social policies that deal with it.
cross-listed SOC 23900
prereq: ENGL 12000, SOC 10100
3 hrs3 cr.

WGS 25000 - Women and Music (W)

GER 3/A PD/C
An ethnomusicological study of women and music in cross-cultural perspective.
cross-listed MUSHL 25000
prereq: ENGL 12000 and one of the following: MUSHL 10100, 10700, 20500, MUSTH 10100, WGS 10000 or perm instr.
3 hrs3 cr.

WGS 25100 - Women and Health

PD/C
An exploration of health issues affecting women, particularly as these issues relate to the socialization of women, reproductive and sexual health, and medical practices.
cross-listed HED 20100
3 hrs3 cr.

WGS 25800 - Topics in Literature by Women (W)

GER 3/A PD/C
Selected works by women written in English will be studied with an emphasis on the diversity of women's lives and the effect of gender on experience.
May be repeated once for credit with a different topic. cross-listed ENGL 25800
prereq: ENGL 22000
3 hrs3 cr.

WGS 26000 - Russian Women Writers in English Translation (W)

GER 3/A PD/C
cross-listed RUSS 26000
prereq: ENGL 22000
3 hrs3 cr.

WGS 26100 - Women and Politics (W)

GER 3/B PD/C
Constitutional and legal position of women, ERA, affirmative action, marriage, divorce, property, feminist causes.
cross-listed POLSC 21800  
prereq: ENGL 12000  
3 hrs3 cr.

WGS 26200 - Women, War and Peace (W)

GER 3/B PD/C  
Roles that women have played as subjects and objects in war and peace.  
cross-listed POLSC 28000  
prereq: ENGL 12000  
3 hrs3 cr.

WGS 26900 - Spanish American Women's Literature and Cinema (W)

GER 3/A PD/A or C  
Conducted in English. An interdisciplinary approach to contemporary women's literature and cinema from Spanish America focusing on gender issues.  
cross-listed SPAN 26900  
prereq: ENGL 12000  
3 hrs3 cr.

WGS 30500 - Women and Slaves in Classical Antiquity (W)

GER 3/A PD/C or D  
Women and slaves in Greek and Roman society and origins of Western attitudes about sex and class.  
cross-listed CLA 30500  
prereq: ENGL 12000  
3 hrs3 cr.

WGS 31500 - Work and Society (W)

GER 3/B  
Work in market economies, mechanisms of control and sources of stratification, gender and ethnic factors, role of education and trade unions.  
cross-listed SOC 31500  
prereq: SOC 10100  
3 hrs3 cr.

WGS 31800 - Women in Africa (W)

GER 3/B PD/A or C  
Examination of African womanhood in traditional setting during colonialism and neo-colonialism, independence and revolution.  
cross-listed AFPRL 31800(W)  
prereq: AFPRL 20200 or AFPRL 22200 or perm instr.  
3 hrs3 cr.

WGS 31900 - Advanced Topics in Literature by Women (W)

GER 3/A PD/C  
Selected works by women in relation to a special theme, technique, genre, theoretical issue or cultural consideration.
May be repeated once for credit with a different topic.

cross-listed ENGL 31900
prereq: ENGL 22000
3 hrs 3 cr.

**WGS 32100 - Women and Globalization**

GER 3/B
The situation of women from less developed countries with attention to the local and global forces shaping their lives. Topics include migration, the international division of labor, and worldwide adoption. Includes both theoretical approaches and practical issues related to improving women’s place in society.

cross-listed ANTHC 32100
prereq: ANTHC 10100 or perm instr.
3 hrs 3 cr.

**WGS 32900 - Women in the African Diaspora (W)**

GER 3/B PD/B or C
The cultural-historical role of women of African descent in North America and the Caribbean in relation to the family, to political resistance, and in sustaining African culture and values.

cross-listed AFPRL 31900 (W)
prereq: AFPRL 20400, 20900 or 21000 or perm instr.
3 hrs 3 cr.

**WGS 33600 - African-American Women Writers (W)**

GER 3/A PD/B or C
African-American female authors from slavery to present: novels, short stories, essays, plays, poetry, teenage fiction, and children's books.

cross-listed AFPRL 33600
prereq: AFPRL 23600 or perm instr.
3 hrs 3 cr.

**WGS 33700 - Caribbean Women Writers (W)**

GER 3/A
A study of some of the major preoccupations of Caribbean fiction, such as history, migration/travel, colonization, memory and language, from the perspectives of selected women writers, paying close attention to the historical, intellectual and cultural contexts that stimulated the production of these works.

cross-listed AFPRL 33700
prereq: AFPRL 23600 or 23700 or ENGL 22000 or WGS 10000
3 hrs 3 cr.

**WGS 34500 - Women and Men in the Labor Market**

GER 3/B PD/C
Demand for labor, determination of wages and allocation of time between paid and unpaid activities, 'human capital' investments, labor market policy issues.

cross-listed ECO 34500
prereq: ECO 20000
3 hrs 3 cr.
WGS 35100 - Gender, Science, and Technology

PD/C
Explores the complex relationship among gender, science, and technology.
cross-listed (Cross-listed with NURS 35100.)
prereq: ENGL 12000, at least one science course at the 100 level
3 hrs 3 cr.

WGS 36100 - Russian Women Writers

GER 3/A PD/C
cross-listed RUSS 36000
prereq: RUSS 20200 or equiv.
3 hrs 3 cr.

WGS 38400 - Women and Media (W)

GER 3/B PD/C
Examination, from historical and formal perspective, of ways in which women have been represented by mass media in America since mid-19th century. Exploration of how feminists for 100 years have challenged these images and posed alternative modes of cultural representation and production.
cross-listed MEDIA 38400
prereq: MEDIA 18000
3 hrs 3 cr.

WGS 39800 - Community Leadership Seminar

A historical introduction and a contemporary overview of social welfare policy and leadership theory and practice that is primarily aimed toward students with experience of poverty. It provides students with the theoretical knowledge and tools they need to serve as informed peer supporters, mentors, trainers, and agents of change on college campuses and in their communities.
cross-listed POLSC 31707
prereq or coreq: ENGL 12000; perm dept. and instr.
3 hrs 3 cr.

WGS 49000 - Leadership Field Work Internship

Internship for students who have completed the Community Leadership seminar. Provides instruction and practical field experience to develop competency in a range of community organizing activities, building on the knowledge and skills developed in WGS 39800.
This course is not a substitute for WGS 31000, but can be a substitute for WGS 32000 with approval from adviser.
prereq: WGS 39800
hrs TBA 1-6 cr.

Women and Gender Studies: Special Topics Courses
WGS 200XX - Special Topics in Women and Gender Studies

PD/A or B or C or D
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalism Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.
3 hrs 3 cr.

WGS 300XX - Special Topics in Women and Gender Studies

PD/A
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalizing Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.
3 hrs 3 cr.

WGS 400XX - Special Topics in Women and Gender Studies

PD/A or C
Such topics as: Lesbian Texts; Contemporary African Women Writers; African Women: Development and Politics and others. Body Politics; Sexuality and Reproduction; Language, Sex, and Gender; Women in Higher Education; Asian-American Women; Globalizing Women; and Gender and Development. These courses can be used towards fulfilling the rest of the major or minor once required core courses are taken. Check with programs for current offerings. Depending on topic, course may satisfy a GER category.
3 hrs 3 cr.

Women and Gender Studies: Independent Study and Internships

Note: Independent Study (WGS 29800 WGS 29800 or WGS 39300) may be applied only once toward the major.

WGS 29800 - Internship

Independent Study (WGS 29800 or 39300) may be applied only once toward the major.
prereq: perm program director
hrs TBA 1-6 cr.

WGS 39300 - Independent Research

Independent research guided by a faculty member on a subject of student's choice in the field of Women and Gender Studies.
Note: Independent Study (WGS 29800 or 39300) may be applied only once toward the major.
prereq: perm. program director
3 hrs 3 cr.

Women and Gender Studies: Senior Seminar
WGS 31000 - Research Seminar: Feminist Theory and Methodology

Open to Jr/Sr only. Study of the theoretical models that feminist scholars create to guide their work and application of feminist methodology to a research project. To graduate with honors in Women's Studies, majors must enroll in this seminar.

Note: Students may take WGS 31000 or 32000 to satisfy the Senior Seminar requirement in the major; students may also opt to take both courses. Since both classes are not taught every semester, students are urged to consult the program director in advance to plan their senior seminar.

prereq: WGS 10000, 20100, at least one other WGS course at 200-level or higher.
3 hrs3 cr.
spring semester

WGS 32000 - Internship Seminar: Feminist Activism and Advocacy

Open to Jr/Sr only. Practical experience in one of a variety of agencies and organizations related to the needs or concerns of women. Weekly seminar devoted to discussion of feminist activism and advocacy.

Note: Students may take WGS 31000 or 32000 to satisfy the Senior Seminar requirement in the major; students may also opt to take both courses. Since both classes are not taught every semester, students are urged to consult the program director in advance to plan their senior seminar.

prereq: WGS 10000 and 20100 and at least one other WGS course at the 200 level or higher.
7-10 hrs3-4 cr.
spring semester

Psychology

Return to the Faculty of the School of Arts and Sciences

Christopher Braun, Associate Professor, Psychology; BA Hampshire, MS, PhD California (San Diego)

Sheila Chase, Professor, Psychology; BA, MA City College, PhD CUNY

Martin Chodorow, Professor, Psychology; BA Texas (Austin), PhD MIT

Darlene DeFour, Associate Professor, Psychology; BA Fisk, MA, PhD Illinois

Tracy A. Dennis, Assistant Professor, Psychology; BA Rochester, PhD Pennsylvania State

Roseanne Flores, Assistant Professor, Psychology; BS Fordham, MA Hunter, PhD CUNY

Sarit Golub, Associate Professor, Psychology; BA Yale, MPH Columbia School of Public Health, PhD Harvard
James Gordon, Professor, Psychology; BA Rochester, MA, PhD Brown

Cheryl Harding, Professor, Psychology; BA Bucknell, PhD Rutgers

Mark E. Hauber, Associate Professor, Psychology; BS Yale, PhD Cornell, DSc Auckland

Jeffrey T. Hietikko-Parsons, Professor, Psychology; BA, MA, PhD Houston

Rebecca Farmer Huselid, Associate Professor, Psychology; BA Sterling College, MA Cal State (Fresno), PhD Kansas

Shirzad Jenab, Associate Professor, Psychology; BA SUNY (Binghamton), MA Queens, PhD Mount Sinai

Lynne M. Kemen, Coordinator for Undergraduate Studies, Psychology; MA Cornell, PhD CUNY

Ellen Tobey Klass, Associate Professor, Psychology; BA, PhD Chicago

Joseph Lao, Lecturer, Psychology; BA Long Island University, MA, PhD Teachers College, Columbia University.

Michael J. Lewis, Professor, Psychology; BS Ursinus, MS Villanova, PhD Temple

Victoria Luine, Distinguished Professor, Psychology; BS Allegheny, PhD SUNY (Buffalo

Regina Miranda, Assistant Professor, Psychology; BA Yale, MA, PhD NYU

Peter Moller, Professor, Psychology; First Diploma, PhD Free University (Berlin), PhD CUNY

Sandeep Prasada, Associate Professor, Psychology; BS McGill (Canada), PhD MIT

Vanya Quiñones-Jenab, Professor and Chair, Psychology; BA, MA Puerto Rico, PhD Rutgers

Vita Rabinowitz, Professor, Psychology and Provost; BA Rutgers, MA, PhD Northwestern

Peter Serrano, Associate Professor, Psychology; BA UCLA, MA, PhD University of California, Berkeley

Michael Siller, Assistant Professor, Psychology; Diploma Free University (Berlin), MA, PhD California (Los Angeles)

Tricia Striano, Associate Professor, Psychology; BA College of the Holy Cross, MA, PhD Emory
Virginia Valian, Distinguished Professor, Psychology; BA Michigan (Ann Arbor), MA, PhD Northeastern

Mariann Weierich, Assistant Professor, Psychology; BA Notre Dame, MS PhD Yale

Jason Young, Associate Professor, Psychology; BA Indiana, PhD Minnesota

H. Philip Zeigler, Distinguished Professor, Psychology; BA City College, PhD Wisconsin (Madison)

Return to the Faculty of the School of Arts and Sciences

Public Policy

Timothy Goodspeed, Professor, Economics; BS SUNY (Binghamton), PhD Maryland

Lina Newton, Assistant Professor, Political Science; BA Wesleyan, MA, PhD California (Irvine)

Jonathan Rosenberg, Associate Professor, History; MA, PhD Harvard

Joseph Viteritti, Blanche D. Blank Professor for Public Policy in Urban Affairs, Urban Affairs and Planning; BA Hunter, PhD CUNY

Return to the Public Policy Program

Religion

Tamara M. Green, Professor and Chair, Classics Division, Classical and Oriental Studies; BA, MA, PhD NYU

Ronald Long, Associate Professor, History; AB Kenyon, MA, MPhil, PhD Columbia

Barbara Sproul, Associate Professor, Religion; BA Sarah Lawrence, MA, PhD Columbia

Barbara Ann Welter, Professor and Chair, History; BA Rosary, MA, PhD Wisconsin (Madison)

Return to Religion
Romance Languages

Return to the Faculty of the School of Arts and Sciences

Marlene Barsoum, Associate Professor, Romance Languages (French); BA CUNY, License-et-Lettres Nancy (France), MA, PhD Columbia

Michelle Bocquillon, Associate Professor, Romance Languages (French); BA Univ. Catholique de Louvain (Belgium), MA New Orleans, PhD Cornell

Monica Calabritto, Associate Professor, Dottore in Lettere, Università di Pisa (Italy), MA, PhD CUNY

Maria Cornelio, Lecturer, BA, Hunter, MA, University of Denver

Evelyne Ender, Professor, Romance Languages; PhD Universite De Paris VIII.

Julia Przybos, Professor, Romance Languages (French); BA Warsaw, MA, PhD Yale

Francesca Sautman, Professor, Romance Languages (French); BA Barnard, MA, PhD California (Los Angeles)

Giuseppe Di Scipio, Professor and Chair, Romance Languages (Italian); BA, MA Hunter, PhD CUNY

Paolo Fasoli, Associate Professor, Romance Languages (Italian); Dottore in Lettere Universita’ di Roma II (Italy), PhD Toronto (Canada)

Maria G. Paynter, Professor, Romance Languages (Italian); BA Iona, MA, PhD Toronto (Canada)

Michael Taormina, Associate Professor, Romance Languages; BA, MA California (Los Angeles), MA, PhD Columbia

Diana Conchado, Associate Professor, Romance Languages (Spanish); BA Hunter, MA, PhD Brown

Marithelma Costa, Professor, Romance Languages (Spanish); BA SUNY (Albany), MA Columbia, PhD CUNY

Anselmo Di Iorio, Assistant Professor, Romance Languages; BA Grinnell, MA, PhD Pennsylvania

Maria Luis Fischer, Associate Professor, Romance Languages (Spanish); Licenciatura en Literatura General (Chile), PhD Boston
Maria Hernandez-Ojeda, Assistant Professor, Romance Languages; BA Madrid (Spain), MA, PhD Florida State

Carlos R. Hortas, Professor, Romance Languages (Spanish); BA Miami, MA Syracuse, PhD Yale

Rolando Perez, Associate Professor, MA, SUNY at Stony Brook, PhD, CUNY

Magdalena Perkowska-Alvarez, Associate Professor, Romance Languages (Spanish); BA Jagellon, MA Simon Bolivar, PhD Rutgers

Michael L. Perna, Associate Professor, Romance Languages (Spanish); AB Washington, MA, PhD Duke

Rosa A. Ramos, Associate Professor, Romance Languages; PhD Pennsylvania

Monica Schinaider, Lecturer, BA, Hunter, MPh, CUNY

Return to the Department of Romance Languages

School of Arts and Sciences

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<td>Medical Laboratory Sciences/Biological Sciences — BS/MA</td>
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<td>Music — BA (25-cr and 42-cr majors)</td>
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<td>Romance Languages — BA</td>
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<td>Sociology — BA</td>
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<td>Spanish — BA, MA</td>
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Special Honors Program — BA

Statistics — BA

Statistics and Applied Mathematics — MA

Statistics/Statistics and Applied Mathematics — BA/MA

Studio Art — BA (24-cr and 42-cr majors)

Theatre — BA, MA

Theatre Arts — BA

Urban Affairs — MS

Urban Planning — MUP

Urban Studies — BA

Women and Gender Studies — BA

† See Classics section of this catalog for courses in Latin, Chinese, Hebrew, and Russian, and see Romance Languages section for courses in French, Italian, and Spanish.

* Childhood Education (Quest), BA, is a collateral major; students must major in English, English language arts, history, geography, social studies (available as a major in the geography department), mathematics, biology or chemistry.

School of Education

Adolescent Education — Offered in collaboration with the following departments or programs

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<td>German 7-12 — BA</td>
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<td>Music Pre-K-12 teacher — BA/MA, MA</td>
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**School Counseling Program**

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<td>Visual Impairment: Rehabilitation Teaching with Orientation and Mobility Sequence</td>
<td>0814</td>
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<tr>
<td>Teaching English to Speakers of Other Languages — MA</td>
<td>1508</td>
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<tr>
<td>Special Education — Advanced Certificates Gifted and Talented</td>
<td>0811</td>
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<tr>
<td>Severe Disabilities: Autism</td>
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<td>Teaching of the Blind and Visually Impaired</td>
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<tr>
<td>Teaching of the Blind and Visually Impaired: Orientation and Mobility</td>
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</tbody>
</table>

† See Classics section of this catalog for courses in Latin, Chinese, Hebrew, and Russian, and see Romance Languages section for courses in French, Italian, and Spanish.

* Childhood Education (Quest), BA, is a collateral major; students must major in English, English language arts, history, geography, social studies (available as a major in the geography department), mathematics, biology or chemistry.

**School of Social Work**
Schools of the Health Professions

School of Health Sciences

<table>
<thead>
<tr>
<th>Program</th>
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<tr>
<td>Communication Sciences Speech/Language Pathology — MS</td>
<td>1220</td>
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<tr>
<td>Community Health Education — BS</td>
<td>1214</td>
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<tr>
<td>Environmental and Occupational Health Sciences — MS, MPH</td>
<td>1299</td>
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<tr>
<td>Medical Laboratory Sciences — BS</td>
<td>1223</td>
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<tr>
<td>Medical Laboratory Sciences/Biological Sciences — BS/MA</td>
<td>1223.01/0401</td>
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<tr>
<td>Nutrition and Food Science: Dietetics — BS</td>
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<tr>
<td>Teachers of Students with Speech and Language Disabilities — MS</td>
<td>0815</td>
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<tr>
<td>Teachers of Students with Speech and Language Disabilities with a Bilingual Extension — MS</td>
<td>0815</td>
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<tr>
<td>Urban Public Health — MPH</td>
<td>1214</td>
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<tr>
<td>Community Health Nursing/Urban Public Health — BS/MS/MPH</td>
<td>1203.10/1214</td>
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SEEK

Return to Faculty of the School of Education

Sandra Granizo Cruz, Lecturer, BA, MSW Hunter

Jorge Fuentes, Assistant Professor, BA City, MS Lehman, EdD Grambling

Fredericka C. Liggins, Lecturer, BA Hunter, MS Fordham

Patricia Hamilton Martin, Assistant Professor, BS Southern, MA Hunter, PhD CUNY

Maria Rodriguez, Associate Professor, BS Catholic (Puerto Rico), MS, PhD SUNY Albany
Services for Students

Sports, Recreation and Enrichment Student Life: Clubs, Organizations and Activities Food Services Department of Public Safety

The Office of Advising Services

1119 Hunter East; (212) 772-4882 http://www.hunter.cuny.edu/studentservices/advising

Academic advising at Hunter College teaches students the information, skills and competencies necessary to make informed choices about their college experience. Through a variety of venues, including orientation, individual advising, group advising, and electronic communications, advisers help students to understand academic requirements, clarify their goals, and devise action plans. Realizing that connections to the Hunter community contribute to student success, Advising Services staff members prepare students to engage with faculty, staff and fellow students. In addition to the services listed above, resources in the Office of Advising Services include the First Year Advising and Orientation Program, Transfer Programs, the Sylvia E. Fishman Student Center, and the Center for Student Achievement.

First-Year Student Advising and Orientation Program

The First-Year Student Advising and Orientation Program facilitates first-year students’ transition into Hunter College by connecting them with the college community and providing academic advising. A comprehensive orientation introduces students to the college and prepares them to succeed inside and outside the classroom. Each new student is assigned to a professional academic adviser for their first year in college, who provides advising, referral, and support. Please see our Web site for more information at http://www.hunter.cuny.edu/studentservices/fao

Transfer Programs

Transfer Programs offer advising and orientation to promote student transition into Hunter College. At orientation, new transfers learn about academic requirements, course transferability, and paths to successful degree completion. Academic advisers are available to help transfer students explore majors, locate critical resources, understand degree requirements, and develop meaningful short- and long-term academic plans. Please see our Web site for more information at http://studentservices.hunter.cuny.edu/new/new_transfers.htm.

Personal Counseling Center

1214 Hunter East; (212) 772-4931

The Personal Counseling Center provides free and confidential short-term psychological counseling services to all Hunter College students who are currently attending classes. The Personal Counseling Center can help with personal issues such as depression, anxiety, emotional distress, adjustment issues, relationship problems, grief, family issues, gender issues, sexual harassment/assault and many others that may have an impact on academic performance. When appropriate, referrals to outside agencies may be made.
The Office of Career Development helps Hunter College students to compete in the job market through a variety of career development and placement services:

**Career Counseling** Career counseling is an interactive process where students are assisted in discovering the career that will provide optimum personal satisfaction. Counselors meet with students individually and in small groups to explore and evaluate the student’s academic strengths and concentration, additional training, work history, interests, skills and personal traits. Counselors help uncover underlying factors that may impede progress toward decision making. Counselors also help the student develop a resumé, interviewing skills and job search skills and provide assistance in job placement. Alumni are also encouraged to use the services for assistance in job search and career change.

**Internships** Internships provide the opportunity to gain pre-professional work experience in a setting related to a student’s major course of study. Interns work in corporations, government agencies and nonprofit organizations. In addition to gaining work-related skills, students develop contacts for future employment and acquire job related experience to enhance their resume and interview presentation and earn academic credit or stipends.

**Employer Recruiting** Representatives from corporations, banks, brokerage houses, accounting firms, insurance companies, retail stores, computer and software companies, nonprofit organizations and government agencies recruit on and off campus in the fall and spring by interviewing students for a variety of professional positions.

**Employer Visits** Employers and successful professionals, including alumni, come to Hunter to discuss career opportunities in their respective areas. Panelists explore current trends in various fields, offer suggestions for preparing for the competitive job market and describe their own careers. From these experiences, students learn about specific companies, their products and services, hiring trends and career opportunities.

**The Graduating Senior Recruiting Program** Graduating seniors have the opportunity to enroll in the Graduating Senior Recruiting Program. Approved resumes are made available to participating employers for review. Employers select those candidates in whom they are interested and conduct interviews on and off campus.

**Job Listings** Businesses, industries, government agencies, schools, hospitals and nonprofit organizations post entry-level and advanced part- and full-time positions with the Career Development Services office. Students and alumni can stop by the office to use the job bank and fax or e-mail their resumes to employers for advertised positions.

**Career Resource Library** A wide variety of career information is available: reference books, periodicals, directories and guide books on career planning and job search preparation and strategies.

## Other Services

**Office of AccessABILITY (for Students with Disabilities)**

1124 Hunter East; 212-772-4857
http://studentservices.hunter.cuny.edu/access.htm
In compliance with the Americans with Disabilities Act of 1990 (ADA) and Section 504 of the Rehabilitation Act of 1975, the Office of AccessABILITY ensures the availability of variety of accommodations and services for students with documented disabilities or medical conditions who are currently registered at Hunter College. Disabilities include (but may not be limited to):

- Medical and psychological conditions, learning disabilities, deafness and hard of hearing, visual impairment, mobility impairment and other conditions that cause you to have mobility difficulties or result in your using a cane or wheelchair.

- Assistance to students with temporary disabilities due to an accident or short-term health conditions is also available. To be eligible for reasonable accommodations, it is necessary for students to provide a written statement with supporting documentation of a disability from a “qualified professional” (physician, psychiatrist, psychologist, or clinical social worker).

Under the auspices of the Office of AccessABILITY, the Access and Technology Center, Room 205 Thomas Hunter Hall, is a resource facility for students with disabilities. The center houses equipment with adaptive software and hardware technologies.

For more information, please call (212) 772-4857/ TTY (212) 650-3230 /or go to our Web site.

The Section 504 Coordinator at Hunter College, Professor Tamara Green is responsible for enforcement of the provisions of Section 504. She may be contacted in 1429 Hunter West, (212) 772-5061. There is a 504 Grievance Procedure for students with disabilities at Hunter College. Students may obtain the necessary form, which contains instructions for filing, from the Office of Student Services in Room 1119 Hunter East.

Students with disabilities at the School of Social Work may contact the director of admissions at (212) 452-7005 for assistance.

**International Students Office**

Room 1109 Hunter East; (212) 772-4864, E-mail: intlss@hunter.cuny.edu

Web site: http://www.hunter.cuny.edu/studentservices/is and for more information, visit the International Students online tutorial: https://ww3.hunter.cuny.edu/is/tutorial/

The International Students Office (ISO) provides vital immigration related information to all international students, including F-1 and J-1 Exchange Visitor statuses or visa holders and other students with questions about their statuses to help them to learn immigration status maintenance. The ISO refers all international students to Academic Advising for timely graduation from Hunter College. The office is an important source of information regarding immigration matters, such as the requirements for compliance with the Student Exchange and Visitors Information System (SEVIS). The ISO issues SEVIS I-20 or DS2019 forms to all newly admitted international students. It also provides individualized advising and holds small group discussions throughout the academic year on such topics as employment options, immigration law, tax issues, and adaptation to both the United States (U.S.) educational systems and to the U.S.

**Children’s Learning Center**

207 Hunter North; (212) 772-4066

Under the direction of a qualified and caring staff, the preschool and school age programs provide a nurturing atmosphere for children while their parents attend classes. Students register for both programs in January for the following fall semester. A modest nonrefundable application fee is required. Inquiries may be made at the Children’s Learning Center, where brochures and registration cards are available. Two distinct programs operate at Hunter. The
preschool program is a child care service available to matriculated students during the academic year (September through May) and during summer session (June-August). It is a preschool educational and development program designed for children aged 29 months through 5 years. The school age program is for children ages 6 through 10. Facilities include two classrooms equipped with age-appropriate educational materials. This after-school program provides an opportunity for homework assistance and participation in planned activities designed to reinforce educational goals and recreation.

**Office of Health Services**

307 Hunter North; (212) 772-4800/4801

The Office of Health Services provides emergency on-campus care by certified NYS Emergency Medical Technicians and infirmary facilities for students requiring short-term care. Nurse practitioners are on duty during the academic semester for a limited number of hours to provide free physical examinations, general health care during walk-in hours, limited rapid tests, vaccinations for flu, hepatitis B and immunization for measles, mumps and rubella. Also provided are free blood pressure screenings and health education information. In addition, the office is responsible for the maintenance of all immunization records and the distribution of physical activity cards (required for use in all recreation programs and facilities).

**Dormitory Facilities**

Residence Hall Office; (212) 481-4311

The Hunter College Residence Hall is located at 425 East 25th Street and houses approximately 600 undergraduate and graduate students. All rooms are single occupancy and contain basic furnishings. Each floor has a main lounge, bathroom facilities and a kitchen. There is a $50 application fee.

**Alumni Association**

1313B Hunter East; (212) 772-4087

The Alumni Association of Hunter College, composed of 85,000 women and men graduates of the college, has been in continuous existence since 1872. Membership is automatic upon graduation from any Hunter College degree program.

The Association provides opportunities for alumni to become actively involved in the life of the college and serves as the link between Hunter and its graduates. In addition to providing vital support for scholarships and academic programs, members participate in a variety of chapter and on-campus activities, including lectures, faculty round tables, workshops and book discussion groups.

Members can take advantage of campus facilities with the Alumni Card, which provides access to the college libraries, Sportsplex, instructional computing center, Chanin Language Center and career development services. Alumni can attend association meetings in January and May and stay informed about activities through the publication, *At Hunter*.

**Hunter College Libraries**

http://library.hunter.cuny.edu
The Hunter College Libraries – comprising the main Jacqueline Grennan Wexler Library and the Visual Resources Library at 68th Street, the Health Professions Library at the Brookdale Campus and the School of Social Work Library at 79th Street - have open stack collections and hold over 800,000 volumes, over 2,100 print periodical subscriptions and approximately 25,000 electronic periodicals, over 1,200,000 micro forms, over 13,000 sound recordings, music CDs, videocassettes and DVDs, 250,000 art slides and 30,000+ digital images. All Hunter libraries provide access to the CUNY+ online catalog of university-wide holdings and Internet access to remote online databases and full-text periodical articles.

The entrance to the 9-floor main library is on the 3rd floor walkway level of the Hunter East Building, where the circulation desk, Browser’s Lounge and the Center for Puerto Rican Studies Library are located. The floors are dedicated to specific subject areas and functions: 1st floor-education, 2nd floor-Reserve Desk, Archives and Special Collections, music and video stations, 4th floor-Reference Desk, 5th floor-general periodicals, 6th floor-science, 7th floor-art and history. Floors B1 and B2 hold the remainder of the book collection, including social sciences and literature. The main library has individual and group study rooms, special facilities for students with disabilities, networked computer classrooms and labs for word processing and Internet access. The Health Professions Library also has a computer lab and classroom.

Many commercial full-text databases can be accessed via the Hunter Libraries homepage: http://library.hunter.cuny.edu. These resources also can be accessed from off campus through the proxy server. To use the proxy server, you must be a currently enrolled student or current faculty member with a Hunter email account.

**The Sylvia E. Fishman Student Center**

417 Hunter West; (212) 650-3282/3278
http://hunter.cuny.edu/student-services/sefsc

The Sylvia E. Fishman Student Center offers programs, activities and services to enhance the academic experience for students. Academic advisers and peer advisers are available at the Center to provide advising and assistance with program planning and to connect students with more comprehensive advising and career development services. Additional programs related to career exploration, internship opportunities, financial aid, wellness education, and residential life are sponsored regularly. The Center is also a “one-stop shopping” opportunity for information about the many and varied activities and services available at Hunter, which links students with workshops, tutoring, cultural, and recreational events. For more information see our Web site.

**Reading/Writing Center**

416 Thomas Hunter; (212) 772-4212
http://rwc.hunter.cuny.edu

The Hunter College Reading/Writing Center is a comprehensive service for the college community. Located on the fourth floor of Thomas Hunter Hall, the RWC offers tutorial services to all registered students at the college – undergraduate and graduate – and provides computer facilities for Hunter students, faculty, staff and alumni, and technical support and development to faculty and staff.

Students can utilize the RWC’s services by registering for individualized and paired tutoring sessions by appointment or receive assistance on a drop-in basis during scheduled hours of operation. Tutors help to develop a reading-writing process that students can use to improve their skills and negotiate the requirements of academic reading and writing. The RWC also offers a series of workshops on various aspects of critical reading, comprehension, and the writing process, including preparation for the ACT Basic Skills Test in Reading and Writing. Students at Hunter’s School of Social Work have access to the SSW Writing Center at the 79th Street campus.
In addition, the RWC’s extensive resource file of instructional handouts can be accessed online at the Reading/Writing Center Web site. Students are welcome to use the RWC’s library of textbooks and materials during the hours the center is open. Our computer facilities are available to all members of the Hunter College community and the RWC offers workshops in all aspects of technical assistance: basic computer application training, online academic research, desktop publishing and electronic communication.

For further information concerning hours and description of services, contact the Reading/Writing Center at (212) 772-4212, the Reading/Writing Center Computer Facilities at (212) 650-3952 or consult the Web site.

Writing Across the Curriculum

http://rwc.hunter.cuny.edu/wac/index.html

The Writing Across the Curriculum Program at Hunter includes: consultation on writing pedagogy provided by experts in the field; the CUNY Writing Fellows Program, a collaboration between fellows from the CUNY Graduate Center and Hunter faculty in the effort to address issues of writing in the disciplines; the services of the Reading/Writing Center, which offers tutoring in academic writing across the curriculum to students and consultation with faculty on student writing.

The Writing Across the Curriculum Program is founded on the principle that students learn by writing: they learn to write by engaging in a variety of academic writing activities and they learn subject matter by writing about it. For more information about the program, contact the coordinators at (212) 772-4014 or (212) 772-5742, or go to the program Web site.

Dolciani Mathematics Learning Center

300 Hunter North; (212) 772-5371
http://xena.hunter.cuny.edu/dolciani

The Dolciani Mathematics Learning Center is a multipurpose resource center, providing group tutoring, computer-assisted tutorials, audio-visual materials and videotapes for students enrolled in most mathematics and statistics courses, as well as for students who need to brush up on their math skills for other courses. It also provides workshops on a variety of topics to assist students in the learning of mathematics, including a specifically designed multimedia workshop to prepare students for success in MATH 101.

The center is open days, evenings and Saturdays, with no appointment necessary. Specific hours of operation and additional information are posted outside the center and can be found on our Web site.

The Leona and Marcy Chanin Language Center

209 Hunter West; (212) 772-5700
http://www.hunter.cuny.edu/~chanin

The Chanin Language Center is a state-of-the-art multi-media foreign language learning facility. The center consists of two independent study labs equipped with 61 multi-media workstations in addition to The Cecile Insdorf Foreign Language Screening Room. Students can supplement their language learning from the elementary to the advanced level by working with computerized study modules, CD-ROMs and digitized audio-video programs based on textbooks and/or lab manuals. The Center provides Internet access to dictionaries and other writing and research tools. In addition, the Center houses an extensive collection of foreign language films and video programs on VHS and DVD. An audio cassette/audio CD home borrowing program is available to students enrolled in a foreign language course.
Through the support of the SEEK Department, Spanish, French and Italian tutoring assistance is available to SEEK status students.

A 30 minute orientation session is required of all first time users. Hours and additional information can be found on our Web site.

**Instructional Computing and Information Technology Resources**

http://icit.hunter.cuny.edu

The Instructional Computing and Information Technology Department (ICIT) provides technology resources and services for students and faculty. These include the Instructional Computing Center, Room 1001 Hunter North, equipped with 250 computers available to students; a 14-seat faculty development room; a 10-seat computer training room; and two distance learning centers. Other services available to faculty, students and staff include: e-mail services, course management, computer training, consultation, audiovisual services, teleconferencing and videoconferencing services, telephone and voice mail services, computer networking services (on campus and off campus), software licenses and student information services. Guidelines for access to and use of these services and facilities are posted at each facility and are subject to the rules and regulations of the college.

In addition, ICIT manages computer work areas in several locations at each of Hunter’s five campus sites. Hours, locations and a general description of the facilities available in each area are posted on our Web site.

**Physical Sciences Learning Center**

1209 Hunter North; (212) 650-3707

The Physical Sciences Learning Center provides individual tutoring, on a walk-in basis, for students enrolled in physics, chemistry and astronomy courses. Workshops and group tutoring sessions are also offered for selected topics. State-of-the-art computers with Internet service and appropriate programs are readily available. An extensive library, containing physical science textbooks, problem solution manuals and videos are provided for the students. The Center encourages students to learn and work with their peers.

The Center is open Mondays through Fridays during the day and evening. At the beginning of each semester, the specific hours and tutoring schedules are posted.

**The Social Sciences Computing Laboratory**

606 Hunter West; (212) 772-5605
http://urban.hunter.cuny.edu/ssl/hours/thisweek.html

The Social Sciences Computing Laboratory is located on the sixth floor of Hunter West (enter through W607) and facilitates computer-based teaching and research among the social science departments. The lab itself is used primarily as a computer classroom for social science departments, but is open to all Hunter students for walk-in hours when available. Exact hours vary from week to week. The current and following week’s walk-in hours are posted on the door and on the lab Web site.

**Center for Student Achievement**
The Center for Student Achievement provides students with the opportunity to develop and enhance their study methods. The Center provides individual assistance to students on academic probation and those who are experiencing particular study problems. Video programs and other reference materials are also available. For current workshop schedules and a variety of useful information on study skills and strategies, students are invited to visit the Center’s Web site.

Special Services Program/Tutoring

1236 Hunter East

The Special Services Program provides free tutoring, advising and other academic support services to Hunter College undergraduates who are low-income, first-generation college students or individuals with disabilities. The program’s services are designed to help students stay in college, earn passing grades and graduate.

College Bookstore

1st Floor, Hunter West; (212) 650-3970
http://hunter.bkstore.com

The bookstore stocks required, supplementary and recommended text books (new and used), regulation school supplies, special course requirements and other academic and nonacademic items. The bookstore processes orders for textbooks and clothing/gifts online at http://hunter.bkstore.com and accepts most forms of payment, including book vouchers. The store also purchases used student textbooks up to 50% back at the end of each term.

Sports, Recreation and Enrichment

Hunter Athletics

B317 Hunter West; (212) 772-4782
www.hunter.cuny.edu/athletics

The Hunter College Athletic program is the premier benchmark intercollegiate program in the New York Metropolitan region and City University of New York Athletic Conference (CUNYAC). With 18 sponsored men's and women's teams, the Hawks compete on the NCAA Division III level with a commitment to athletic and academic progress and development each year. Student-athletes benefit from an outstanding and supportive academic environment, highly qualified coaches and superior facilities for competition and practice. Over the last eleven years Hunter College has won eight CUNY Athletic Conference Commissioner's Cups, an award presented to the best athletic program in the conference.

Academically, the Hunter Hawks are also successful with a competitive graduation rate. The athletic program maintains an impressive grade point average of at least 3.00 each year. As members of the Hunter Athletic family, student-athletes receive a well-balanced collegiate experience - a proven and top-rated Hunter College academic challenge and a memorable athletic career.

Hunter College offers a multi-million dollar athletics facility which is equipped with competition and practice gymnasiuums, wrestling room, fencing/yoga room, men's and women's locker rooms, swimming pool, athletic training room, state-of-the-art weight room, racquetball courts and the newly opened smart classroom for student use. The
Brookdale campus also houses a swimming pool, weight room, gymnasium, tennis courts and bowling alley for official athletic and recreation use. For more information on the Hunter Athletic program, log onto www.hunter.cuny.edu/athletics or call 212-772-4782.

**Intercollegiate Sports**

Women’s sports include basketball, cross country, fencing, indoor track, outdoor track, softball, swimming, tennis and volleyball. Men’s sports include basketball, cross country, fencing, indoor track, outdoor track, soccer, tennis, volleyball and wrestling.

**Recreation and Intramurals**

B315 Hunter West; (212) 772-4912  
www.hunter.cuny.edu/athletics/recreation/index.shtml

Hunter College’s recreation and intramural programs are designed to promote physical fitness, relaxation, wellness and enjoyment for members of the college. Open to students, faculty, staff and alumni, the recreation and intramural programs are flexible and provide for a variety of healthful and enjoyable experiences at all levels of skill and participation. Activities offered include a weight/cardiovascular fitness room, racquetball, swimming, dance/aerobics, basketball, volleyball, tennis and martial arts.

Over 20 intramural sports provide Hunter students with the opportunity to compete in various organized activities, games and sports against members of the college community. Some of the more popular sports include flag football, racquetball, fencing, basketball, volleyball, the annual Turkey Trot and Olympic Day.

**Student Life: Clubs, Organizations and Activities**

Student life at Hunter is enriched by a wide array of organizations and clubs — approximately 150 in number — which provide opportunities for participation in academic, political, recreational, ethnic, religious and social activities. Student organizations sponsor events and activities, which include hosting guest speakers, concerts, movies, attending conferences, assisting charities and social gatherings. All student clubs and publications are administered by the membership through their elected officers. Students are encouraged to join and become active in at least one organization so they have an opportunity to meet other students and develop interpersonal, leadership and managerial skills.

The Office of Student Activities, a unit of the Office of Student Affairs, encourages student involvement and supports clubs and organizations on campus by conducting a series of student leadership colloquia and other leadership development workshops, facilitating club events and opening doors to community service opportunities.

The office is also a resource for free and discount tickets to theater, concerts and other performances. A complete listing of student organizations and additional information regarding student activities can be obtained by contacting the Office of Student Services/Student Life, 1103 Hunter East, (212) 772-4876.

**Assembly and Meeting Hours**

A block of time is set aside each week during which no classes are scheduled. Called “Dean’s Hours,” this time block is reserved for official college assemblies, guidance meetings and other academic and administrative purposes and for meetings of student organizations. Generally, Dean’s Hours are scheduled on Wednesdays, from 1:10-3:00 p.m.
Food Services

Dining facilities are available on the main campus at 68th Street, the Brookdale Campus and the School of Social Work. The Food Services Web link is www.hunterdining.com.

Main Campus, 68th Street & Lexington Avenue

There are several food outlets on the main campus:

a. The cafeteria on the 3rd floor of Hunter West is open to all Hunter students, faculty, staff and visitors. There are two eating areas adjacent to the food service area. The south side seats around 200 people. The north side seats about 75 and also has several computer terminals for checking of e-mail and Internet reference. A full menu of hot and cold foods and beverages is offered. Hours: Monday through Thursday, 7:30 am to 7:30 pm; Friday, 7:30 am to 2:30 pm

b. A coffee kiosk is located in the lobby of Hunter West, serving beverages and light snacks. Hours: Monday through Thursday, 7:30 am to 8:00 pm; Friday, 7:30 am to 2:30 pm; Saturday 7:30 am to 2:00 pm.

c. The Faculty Dining Room on the 8th floor of Hunter West is open to all Hunter faculty and staff. The facility is open during the fall and spring semesters Monday through Friday, from 11:30 am to 2:00 pm. 

Note: for the aforementioned facilities, shorter hours are in effect during semester breaks, summer session and the day before major holidays.

Brookdale, 425 East 25th Street

A full service cafeteria for the Hunter health sciences community with many of the same options as the main campus cafeteria. Hours: Monday through Thursday, 7:30 am to 7:00 pm; Friday, 7:30 am to 2:30 pm. The cafeteria is closed during semester breaks, summer session and the day before major holidays.

School of Social Work, 79th Street & Lexington Avenue

A limited product cafeteria (no hot meals) is located on the 4th floor. Sandwiches, soups, drinks and breakfast baked goods are available. Hours: Tuesday through Thursday 11:00 am to 7:30 pm. Monday and Friday, closed. This facility is closed during semester breaks, summer session and the day before major holidays.

Vending

There are vending machines throughout all of Hunter College’s campus locations.

Department of Public Safety

B122 Hunter West; (212) 772-4447
http://publicsafety.hunter.cuny.edu/index.shtml

Public Safety and Emergencies

In order to provide a safe and secure environment, the Hunter College campuses are monitored 24 hours a day by members of the Department of Public Safety. Public Safety personnel are available to provide assistance with public safety, security and health emergencies at all times. In the event of an emergency, Public Safety can be reached in the following manner:

Emergencies Located throughout both the main campus and Brookdale campus are silver wall mounted boxes marked “Emergency.” These boxes are known as “Talk Alerts” and pushing the call button on the box will connect you directly to the public safety desk. You may also dial 4444 from any interior campus telephone, or dial (212) 772-4444 from your cellular telephone.

Remember to please state your emergency and your location on campus.
Non-emergencies  All calls for Public Safety services from all Hunter College campuses should be made to (212) 772-4447. This number is staffed 24 hours daily. Calls for outside assistance can be made from campus telephones by dialing 9-911. (An extra 9 is entered to ensure that the caller is given an outside line.)

Building Hours and Off-Hours  The following schedule and procedures are in effect for the Hunter College complex of buildings:

Building Hours:
Monday through Friday 7:00 a.m. to 10:00 p.m.
Saturday, Sunday, holidays 7:00 a.m. to 6:00 p.m.

To enter the buildings at times and days other than those scheduled above, everyone must show proper identification to the security officers on duty. A sign-in and sign-out log will be maintained by the security officers.

Special Procedures on the Brookdale Campus  Students, faculty, staff and visitors to the Brookdale campus are required to possess a valid photo ID, which they must present to campus security upon entry into Brookdale campus buildings and show to any member of the Residence Life or Campus Security staff upon request at any time.

Information and Complaints  Requests for information or complaints concerning security services should be made to Louis Mader, Director of Public Safety, (212) 772-4521.

Sexual Harassment Policy and Procedure

Return to General Information

Sexual harassment is illegal. It is a form of sex discrimination in violation of Title VII of the 1964 Civil Rights Act, Title IX of the Education Amendments Act if 1972 and the official policy of The City University of New York. The City University of New York issued a policy in 1982 which was revised and reissued in January 2005.

The policy prohibits sexual harassment of faculty, staff and students:

Policy Statement

It is the policy of The City University of New York to promote a cooperative work and academic environment in which there exists mutual respect for all University students, faculty, and staff. Harassment of employees or students based upon sex is inconsistent with this objective and contrary to the University’s non-discrimination policy. Sexual harassment is illegal under Federal, State, and City laws, and will not be tolerated within the University.

The University, through its colleges, will disseminate this policy and take other steps to educate the University community about sexual harassment. The University will establish procedures to ensure that investigations of allegations of sexual harassment are conducted in a manner that is prompt, fair, thorough, and as confidential as possible under the circumstances, and that appropriate corrective and/or disciplinary action is taken as warranted by the circumstances when sexual harassment is determined to have occurred. Members of the University community who believe themselves to be aggrieved under this policy are strongly encouraged to report the allegations of sexual harassment as promptly as possible. Delay in making a complaint of sexual harassment may make it more difficult for the college to investigate the allegations.

A. Prohibited Conduct

It is a violation of University policy for any member of the University community to engage in sexual harassment or to retaliate against any member of the University community for raising an allegation of sexual harassment, for filing a
complaint alleging sexual harassment, or for participating in any proceeding to determine if sexual harassment has occurred.

B. Definition of Sexual Harassment

For purposes of this policy, sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, and other oral or written communications or physical conduct of a sexual nature when:

1. submission to such conduct is made either explicitly or implicitly a term or condition of an individual’s employment or academic standing;
2. submission to or rejection of such conduct by an individual is used as a basis for employment or academic decisions affecting such individual; or
3. such conduct has the purpose or effect of unreasonably interfering with an individual’s work or academic performance or creating an intimidating, hostile or abusive work or academic environment.

Sexual harassment can occur between individuals of different sexes or of the same sex. Although sexual harassment most often exploits a relationship between individuals of unequal power (such as between faculty member and student, supervisor and employee, or tenured and untenured faculty members), it may also occur between individuals of equal power (such as between fellow students or co-workers), or in some circumstances even where it appears that the harasser has less power than the individual harassed (for example, a student sexually harassing a faculty member). A lack of intent to harass may be relevant to, but will not be determinative of, whether sexual harassment has occurred.

To implement CUNY’s policy, Hunter College has created a Sexual Harassment Awareness and Intake Committee. The Committee is responsible for reviewing all complaints of sexual harassment; and for making efforts to resolve those complaints informally, if possible. When informal resolution is not possible, the committee coordinator will fully investigate the complaint and report the results of the investigation to the college president (and dean of students, if the accused is a student).

Any student or other member of Hunter College may report allegations of sexual harassment to any member of the Sexual Harassment Awareness and Intake Committee. The names and contact information for the committee members are available in the coordinator’s office, departments and offices in the college and the college website. The complaint will be promptly investigated and will be handled as confidentially as possible. Retaliation against complainants is specifically prohibited. Students, faculty or staff who are found, following applicable disciplinary proceedings, to have violated the CUNY Policy Against Sexual Harassment are subject to various penalties, including termination of employment and permanent dismissal from the university.

The official policy and procedures can be found in every department of the college as well as on the college’s website. Additional on the Sexual Harassment Awareness and Intake Committee is available in the Coordinator’s office. The Committee Coordinator is:

Office of Diversity and Compliance, 1706 Hunter East Building
Phone: (212) 772-4242
Fax: (212) 772-4724

Sociology

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Theatre

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Return to the Theatre Department

Thomas Hunter Honors Program

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