



CAROLINA
UNIVERSITY

Program: Bachelor of Science - Computer Science

Total Credit Hours Needed for Degree: 126

Maximum Transfer Credit Allowance: 95

Minimum Grade Requirement for Transfer: C

Carolina University Program Requirements	NC Community College Course Code	NC Community College Course Title	Credit Hours
General Education Core (38 Credit Hours) - must include the following:			
GC 111 - Precalculus Algebra (3 Credit Hours)	MAT 171	Precalculus Algebra	4
GC 112 - Precalculus Trigonometry (3 Credit Hours)	MAT 172	Precalculus Trigonometry	4
One of the following course sequences:			
CH 110 - General Chemistry w/Lab (4 Credit Hours)	CHM 151	General Chemistry I	4
CH 115 - General Chemistry w/Lab (4 Credit Hours)	CHM 152	General Chemistry II	4
OR			
PY 210 - Physics I w/Lab (4 Credit Hours)	PHY 251 (or PHY151)	General Physics I	4
PY 215 - Physics II w/Lab (4 Credit Hours)	PHY 252 (or PHY 152)	General Physics II	4
BT 100 - Intro to Christianity (3 Credit Hours)			
GT 103 - Learning & Technology (3 Credit Hours)			
GE 101 - English Composition I (3 Credit Hours)	ENG 111	Writing and Inquiry	3
GE 102 - English Composition II (3 Credit Hours)	ENG 112 (or ENG 113/114)	Writing/Research in the Disc	3
Social Science Course (3 Credit Hours)			
Social Science Course (3 Credit Hours)			
Art/Humanity Course (3 Credit Hours)			
Art/Humanity Course (3 Credit Hours)			
Professional Core (76 Credit Hours)			
CS 105 - Introduction to Computer Science (3 Credit Hours)	CIS 115	Intro to Prog & Logic	3
CS 110 - Programming I (3 Credit Hours)	CSC 120	Computing Fundamentals I	3
CS 111 - Programming II (3 Credit Hours)	CSC 130	Computing Fundamentals II	3
CS 150 - Scripting (3 Credit Hours)			
CS 210 - Algorithms and Data Structures (3 Credit Hours)	CSC 134	C++ Programming	3
CS 220 - Object Oriented Programming (3 Credit Hours)			
CS 300 - Software Engineering (3 Credit Hours)			
CS 310 - Algorithms & Data Structures II (3 Credit Hours)	CSC 249	Data Structure & Algorithms	3
CS 315 - Advanced Database Management Systems (3 Credit Hours)	DBA 210	Database Administration	3
CS 330 - Data Communication and Computer Networks (3 Credit Hours)	CTI 120	Network & Sec Foundations	3
CS 340 - Computer Architecture and Organization (3 Credit Hours)			
CS 410 - Operating Systems (3 Credit Hours)			
CS 430 - Computer Security Fundamentals (3 Credit Hours)	SEC 110	Security Concepts	3
CS 435 - Ethical Hacking (3 Credit Hours)	SEC 185	Ethical Hacking	3
CS 450 - Introduction to Unix (3 Credit Hours)			
CS 475 - Senior Project I (3 Credit Hours)			
CS 480 - Senior Project II (3 Credit Hours)			
CS 485 - Senior Project III (3 Credit Hours)			
CS 490 - Senior Project IV (3 Credit Hours)			
GC 205 - Calculus I (3 Credit Hours)	MAT 271	Calculus I	4
GC 206 - Calculus II (3 Credit Hours)	MAT 272	Calculus II	4
MA 205 - Calculus III w/Lab (4 Credit Hours)	MAT 273	Calculus III	4
MA 300 - Probability and Statistics (3 Credit Hours)	MAT 152	Statistical Methods I	4
MA 310 - Linear Algebra (3 Credit Hours)	MAT 280	Linear Algebra	3
MA 320 - Discrete Mathematics 3 Credits Hours	MAT 167	Discrete Mathematics	3
Professional Electives (1(2 Credit Hours)) - Choose from the following			
CS 205 - Python Programming (3 Credit Hours)	CSC 121	Python Programming	3

CS 222 - C# Programming (3 Credit Hours)	CSC 153	C# Programming	3
CS 250 - Cloud Computing (3 Credit Hours)	CTI 141	Cloud & Storage Concepts	3
CS 305 - DevOps Engineering (3 Credit Hours)			
CS 325 - Introduction to Routing and Switching (3 Credit Hours)	NET 126	Switching and Routing	3
CS 335 - Network Protocols and Services (3 Credit Hours)			
CS 350 - User Interface Design (3 Credit Hours)			
CS 355 - Information Architecture (3 Credit Hours)			
CS 360 - Web Database Applications (3 Credit Hours)			
CS 365 - Information Security (3 Credit Hours)			
CS 375 - Java (3 Credit Hours)	CSC 151	JAVA Programming	3
CS 380 - Web Design (3 Credit Hours)	WEB 210	Web Design	3
CS 415 - Network Security (3 Credit Hours)			
CS 420 - Advanced Routing and Switching (3 Credit Hours)			
CS 440 - Windows Client Server (3 Credit Hours)			
CS 445 - Advanced Defense and Countermeasure (3 Credit Hours)			
CS 451 - Digital Forensics (3 Credit Hours)			
CS 499 - Special Topics (3 Credit Hours)			
IS 210 - Drones (3 Credit Hours)			
IS 305 - Introduction to Information Systems (3 Credit Hours)			
IS 310 - Introduction to Network Technology (3 Credit Hours)			
IS 320 - Information Systems Management and Business (3 Credit Hours)	CTS 115	Info Sys Business Concepts	3
IS 325 - Business Systems (3 Credit Hours)			
IS 330 - Introduction to Data Science (3 Credit Hours)			
IS 335 - Machine Learning (3 Credit Hours)	CSC 115	Machine Learning I	3
IS 340 - Natural Language Processing (3 Credit Hours)			
IS 345 - Neural Networks (3 Credit Hours)			
IS 350 - Artificial Intelligence (3 Credit Hours)	CSC 113 (or CSC 114)	Artificial Intel. Fundamentals	3