

Academic Program Map

Isothermal Community College

Program: Associate in Engineering

Career Cluster(s): Science

Fall 1

Term	Course ID	Course Name	Credits
1st 8 Weeks	ACA 122	College Transfer Success	1
1st 8 Weeks	ENG 111	Writing and Inquiry	3
2nd 8 Weeks	ENG 112	Writing and Research in the Disciplines	3
2nd 8 Weeks	EGR 150	Introduction to Engineering	2

Semester Total: 9 Credits

Spring 1

Term	Course ID	Course Name	Credits
1st 8 Weeks	CSC 134	C++ Programming	3
1st 8 Weeks	CHM 151	General Chemistry I	4
2nd 8 Weeks	MAT 271	Calculus I	4
2nd 8 Weeks	DFT 170	Engineering Graphics	3

Semester Total: 14 Credits

Summer 1

Term	Course ID	Course Name	Credits
1st 8 Weeks	CHM 152	General Chemistry II	4

Semester Total: 4 Credits

Fall 2

Term	Course ID	Course Name	Credits
1st 8 Weeks	COM 231	Public Speaking	3
2nd 8 Weeks	HIS 112	World Civilizations II	3
2nd 8 Weeks	CSC 151	JAVA Programming	3
16 Weeks	MAT 272	Calculus II	4
16 Weeks	PHY 251	General Physics I	4

Semester Total: 17 Credits

Spring 2

Term	Course ID	Course Name	Credits
1st 8 Weeks	ECO 251	Principles of Microeconomics	3
2nd 8 Weeks	PHI 240	Introduction to Ethics	3
16 Weeks	MAT 273	Calculus III	4
16 Weeks	PHY 252	General Physics II	4
16 Weeks	MAT 285	Differential Equations	3

Semester Total: 17 Credits