Computer Engineering

Adequate Math Preparation

Sample Schedule

Year 1

Fall Semester

Calculus with Applications or Calculus	ECC: Computer Programming for Engineers	General Elective	First-year Writing Seminar

January Term

ECC: Design & Innovation

Spring Semester

Multivariable Calculus	Foundations of Science 1	Foundations of Science 2	Colloquium
Engineering Ethics			

Year 2

Fall Semester

Linear Algebra	Foundations of Science 3	Foundations of Science 4	Core
Differential Equations			

January Term

General Elective

Spring Semester

Computer Systems Programming	ECC: Digital Logic	ECC: Circuits	Core
Discrete Mathematics	Advanced Digital Logic	Advanced Circuits	

Year 3

Fall Semester

Computer Organization and Architecture	Probability & Statistics	Data Structures and Algorithms	Colloquium
	ECC: Numerical Methods		

January Term

General Elective

Spring Semester

Operating Systems	Computer Networks	Computer Engineering Elective (Hardware)	General Elective

Year 4

Fall Semester

Capstone Seminar	Embedded Systems	Computer Engineering Elective	Core
Capstone Design I			

Spring Semester

Capstone Design II	ECC: Conservation Laws	Computer Engineering Elective	Core
	ECC: Statics		

Course / Credit Key

Course Key

GENERAL ELECTIVES	MAJOR: REQUIRED	MAJOR: ELECTIVES	CAPSTONE	CORE

Credit Key

1 CREDITS	2 CREDITS	4 CREDITS	5 CREDITS