

# Computer Engineering

## Stronger Math Preparation

### Sample Schedule

#### Year 1

##### Fall Semester

Foundations of Science 1	Foundations of Science 2	ECC: Computer Programming for Engineers	Multivariable Calculus
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##### January Term

ECC: Design & Innovation
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##### Spring Semester

Foundations of Science 3	Foundations of Science 4	Colloquium	First-year Writing Seminar
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#### Year 2

##### Fall Semester

Linear Algebra	General Elective	General Elective	Core
Differential Equations			

##### January Term

General Elective
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##### Spring Semester

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

#### 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

Capstone Design I

Embedded Systems

Computer Engineering  
Elective

Core

Spring Semester

Capstone Design II

ECC: Conservation Laws

ECC: Statics

Computer Engineering  
Elective

Core

Course / Credit Key				
Course Key				
GENERAL ELECTIVES	MAJOR: REQUIRED	MAJOR: ELECTIVES	CAPSTONE	CORE
Credit Key				
1 CREDITS	2 CREDITS	4 CREDITS	5 CREDITS	