

Electrical Engineering

Weaker Math Preparation

Sample Schedule

Year 1

Fall Semester

Trigonometry and Differential Calculus	ECC: Computer Programming for Engineers	General Elective	First-year Writing Seminar
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January Term

Integral Calculus

Spring Semester

Foundations of Science 1	Foundations of Science 2	General Elective	Colloquium
Engineering Ethics			

Summer Term

Multivariable Calculus

Year 2

Fall Semester

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

January Term

ECC: Design & Innovation

Spring Semester

Complex Variables	ECC: Digital Logic	ECC: Circuits	Core
Discrete Mathematics	Advanced Digital Logic	Advanced Circuits	

Year 3

Fall Semester

Signals and Systems	Probability & Statistics	Electronics	Colloquium
	ECC: Numerical Methods		

January Term

General Elective

Spring Semester

Electromagnetics	Analog and Digital Communication	Electrical Engineering Elective	General Elective
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Year 4

Fall Semester

Capstone Seminar	Instrumentation	Electrical Engineering Elective	Core
Capstone Design I			

Spring Semester

Capstone Design II	ECC: Conservation Laws	Controls	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	