

Civil 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
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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

ECC: Circuits	ECC: Statics	ECC: Conservation Laws	Core
Solid Mechanics	Dynamics	Fluid Mechanics	

Year 3

Fall Semester

Structural Components	Probability & Statistics	Environmental Engineering	Colloquium
Structural Systems	ECC: Numerical Methods		

January Term

General Elective

Spring Semester

Geotechnical Engineering	Transportation and Traffic Engineering	Design Elective Project Management	General Elective
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Year 4

Fall Semester

Capstone Seminar	Design Elective	Civil Engineering Elective	Core
Capstone Design I	ECC: Digital Logic		

Spring Semester

Capstone Design II	Engineering Materials	Civil Engineering Elective	Core
	Discrete Mathematics		

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