Civil 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

January Term

ECC: Design & Innovation

Spring Semester

Foundations of Science 3	Foundations of Science 4	Colloquium	First-year Writing Seminar

Year 2

Fall Semester

Linear Algebra	General Elective	General Elective	Core
Differential Equations			

January Term

General Elective

Spring Semester

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

Year 3

Fall Semester

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

January Term

General Elective

Spring Semester

Geotechnical Engineering

Tansportation and Traffic Engineering

Design Elective

Project Management

General Elective

Year 4

Fall Semester

Capstone Seminar

Capstone Design I

Design Elective

ECC: Digital Logic

Civil Engineering Elective

Core

Spring Semester

Capstone Design II

Engineering Materials

Discrete Mathematics

Civil 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	