

# Civil Engineering

## Weaker Math Preparation

### Sample Schedule

#### Year 1

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##### 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
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##### Spring Semester

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

##### Summer Term

Multivariable Calculus
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#### Year 2

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##### Fall Semester

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

##### January Term

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

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

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