

Mechanical 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

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

Spring Semester

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

Year 3

Fall Semester

Thermodynamics	Probability & Statistics	Structural Components	Colloquium
Heat Transport	ECC: Numerical Methods	Machine Component Design	

January Term

General Elective

Spring Semester

Engineering Materials

CAD

Mechanical Engineering Elective

Mechanical Engineering Elective

General Elective

Year 4

Fall Semester

Capstone Seminar

Capstone Design I

Instrumentation

Mechanical Engineering Elective

Core

Spring Semester

Capstone Design II

ECC: Digital logic

Discrete Mathematics

Thermal Energy Systems

Core

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