

Mechanical Engineering

[Sample Schedule](#)

You should discuss with your major mentor before proceeding with the following schedule

Year 1

Fall Semester

Calculus with Applications or Calculus	ECC: Computer Programming for Engineers	Core	First-year Writing Seminar	January Term ECC: Design & Innovation
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Spring Semester

Multivariable Calculus	Foundations of Science 1	Foundations of Science 2	Colloquium	
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Year 2

Fall Semester

Linear Algebra	ECC: Digital Logic	ECC: Circuits	CAD	January Term
	ECC: Statics	ECC: Conservation Laws	Engineering Materials	Colloquium

Spring Semester

Differential Equations for Engineers	Engineering Dynamics	Thermodynamics	Fluid Mechanics	
			ECC: Ethics	

Year 3

Fall Semester

Solid Mechanics	Modeling of Dynamical Systems	Heat Transfer	EM Physics	January Term
Advanced Solid Mechanics		Thermofluids Lab.		Colloquium

Mechanical Engineering Elective	Mechanical Engineering Elective	General Elective	Core	
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Year 4

Fall Semester

Capstone Design I	Mechatronics	Prob. & Stats	Core	
Mechanical Engineering Elective	Mechatronics Lab	Numerical Methods		

Spring Semester

Capstone Design II	Mechanical Engineering Elective	Mechanical Engineering Elective	Core	
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