

Mechanical Engineering

Sample Schedule

Alternative sample schedules are available at nyuad.nyu.edu/grids

Year 1

Fall Semester

Multivariable Calculus	Foundations of Science 1	Foundations of Science 2	First-year Writing Seminar
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Spring Semester

Linear Algebra	Computer Programming for Engineers	General Elective	Colloquium
	Ethics		

Year 2

Fall Semester

Differential Equations	ECC: Digital Logic	ECC: Circuits	Core
	ECC: Statics	ECC: Conservation Laws	

Spring Semester

Math Course	Solid Mechanics	Fluid Mechanics	EM Physics
	Structural Components	Dynamics	

Year 3

Fall Semester

Modeling and Analysis of Dynamical Systems	Thermodynamics	CAD	Colloquium
	Heat Transport	PDEs for Engineers	

Spring Semester

Mechanical Engineering Elective	Mechanical Engineering Elective	General Elective	Core
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Year 4

Fall Semester

Engineering Materials	ECC: Numerical Methods	Instrumentation	Core
Capstone Design I	Thermal Systems		

Spring Semester

Capstone Design II	Probability and Statistics	Mechanical Engineering Elective	Core
	Mechanical Engineering Elective		

June Term
ECC: Design & Innovation

January Term
General Elective

January Term
General Elective