

Mechanical Engineering

Sample Schedule

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

Year 1

Fall Semester

Math 1000 A&B	Computer Programing for Engineers	General Elective	First-year Writing Seminar
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Spring Semester

Calculus	Foundation of Science 1	Foundation of Science 2	Colloquium
	Ethics		

January Term

ECC: Design & Innovation

Summer Term

MVC

Year 2

Fall Semester

Linear Algebra	ECC: Digital Logic	ECC: Circuits	Core
	ECC: Statics	ECC: Conservation Laws	

January Term

General Elective

Spring Semester

Differential Equations	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	

January Term

General Elective

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		