# Mechanical Engineering

**Sample Schedule**

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

## Year 1

### Fall Semester

- **Calculus with Applications or Calculus**
- **ECC: Computer Programming for Engineers**
- **General Elective**
- **First-year Writing Seminar**

### Spring Semester

- **Multivariable Calculus**
- **Foundations of Science 1**
- **Foundations of Science 2**
- **Colloquium**

### January Term

- **ECC: Design & Innovation**

## Year 2

### Fall Semester

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

### Spring Semester

- **ECC: Circuits**
- **ECC: Statics**
- **ECC: Conservation Laws**
- **Dynamics**
- **Fluid Mechanics**
- **Core**

### January Term

- **General Elective**

## Year 3

### Fall Semester

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

### Spring Semester

- **Engineering Materials**
- **CAD**
- **Mechanical Engineering Elective**
- **Mechanical Engineering Elective**
- **General Elective**

### January Term

- **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**