Note: The number of electives you take will depend on your program. Please check your advisement report.

**General Stream:**
- General stream students take any courses from the full list of approved technical electives (see next page)

**Mechanics and Design Stream:**
*Minimum 3 courses from this list:*
- CHEM ENG 4T03: Applications of Chemical Engineering in Medicine, 2nd term
- ENGINEER 4EX3: Experiential Engineering Design, both terms
- MATLS 4MS4: Materials Selection in Design and Manufacturing, 1st term
- MATLS 4T03: Properties and Processing of Composites, 2nd term
- ME 4B03: Product Development, 1st term (Dr. Hassan)
- ME 4BB3: Biomechanics, 1st term (Dr. Wohl)
- ME 4BF3: Biofluid Mechanics Systems (Dr. Motamed) (n/a in 2024-25)
- ME 4C3: Experimental and Computational Biomechanics, 2nd term (Dr. Quenneville)
- ME 4H03: Mechatronics, 2nd term (Dr. Bone)
- ME 4I03: Noise Analysis and Control, 1st term (TBD)
- ME 4K03: Robotics, 1st term (Dr. Yan)
- ME 4N03: NanoBio Engineering (Dr. Didar) (n/a in 2024-25)
- ME 4T03: Finite Element Applications, 1st term & 2nd term (Dr. Wu)
- ME 4Y03: Internal Combustion Engines, 1st term (Dr. Yan)
- ME 4Z03: Computer Aided Design, 2nd term (TBD)
- ME 4X04: Independent Project, both terms

**Manufacturing Stream:**
*Minimum 3 courses from this list:*
- MATLS 3MF3: Materials Fabrication, 2nd term
- MATLS 4MS4: Materials Selection in Design and Manufacturing, 1st term
- CHEM ENG 4X03: Polymer Processing, 1st term
- MATLS 4T03: Properties and Processing of Composites, 2nd term
- ME 4B03: Product Development, 1st term (Dr. Hassan)
- ME 4D03: Manufacturing Processes (Metal Removal), 2nd term (Dr. Koshy)
- ME 4DD3: Introduction to Surface Engineering in Manufacturing, 2nd term (Dr. Aramesh)
- ME 4H03: Mechatronics, 2nd term (Dr. Bone)
- ME 4K03: Robotics, 1st term (Dr. Yan)
- ME 4N03: NanoBio Engineering (Dr. Didar) (n/a in 2024-25)
- ME 4T03: Finite Element Applications, 1st term & 2nd term (Dr. Wu)
- ME 4Z03: Computer Aided Design, 2nd term (TBD)
- ME 4X04: Independent Project, both terms

**Thermofluids and Energy Systems:**
*Required course:*
- ME 4S03: Incompressible flow, 1st term (Dr. Salaudeen)

*Plus minimum 2 courses from this list:*
- CHEM ENG 4X03: Polymer Processing, 1st term
- ENG PHYS electives (see next page for full list)
- ME 4AA3: Aerodynamics, 2nd term (Dr. Tullis)
- ME 4BF3: Biofluid Mechanics Systems (Dr. Motamed) (n/a in 2024-25)
- ME 4ES3: Energy Storage, 2nd term (Dr. Trowell)
- ME 4FM3: Advanced Instrumentation and Sensing for Fluid Mechanics, 2nd term (Dr. Morton)
- ME 4I03: Noise Analysis and Control, 1st term (TBD)
- ME 4J03: Introduction to Computational Fluid Dynamics and Heat Transfer (Dr. Hamed) (n/a in 2024-25)
- ME 4O04: Sustainable Energy Systems, 2nd term (Dr. Cotton)
- ME 4T03: Finite Element Applications, 1st term & 2nd term (Dr. Wu)
- ME 4U03: Compressible Flow and Turbomachinery, 1st term (Dr. Tullis)
- ME 4W03: Air Conditioning and Refrigeration Systems, 2nd term (Dr. Shankar)
- ME 4Y03: Internal Combustion Engines, 1st term (Dr. Yan)
- ME 4X04: Independent Project, both terms

**Smart Systems:**
*Minimum 3 courses from this list:*
- ME 4AI3: Applied Artificial Intelligence, 2nd term (Dr. Ahmed)

Mar 7, 2023