Fall 2026 ME Career Gateway Electives

Energy Systems Engineering

- ME 337C: Introduction to Nuclear Power Systems
- **REQUIRED: ME 343: Thermal Fluid Systems**
- ME 378E: Nanotechnology for Sustainable Energy
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Nuclear & Radiation Engineering

- ME 336P: Concepts in Nuclear & Radiation Engineering
- ME 337C: Introduction to Nuclear Power Systems
- ME 337F: Nuclear Environmental Protection

Advanced Materials Engineering

- **REQUIRED: ME 336: Materials Processing**
- ME 349: Corrosion Engineering
- ME 350: Machine Tool Operations for Engineers

Automotive & Vehicle Systems Engineering

- ME 379N: Engineering Acoustics

Design & Manufacturing

- ME 336: Materials Processing
- ME 350: Machine Tool Operations for Engineers
- ME 350R: Robot Mechanism Design
- ME 368C: Additive Manufacturing
- ME 371D: Medical Device Design & Manufacturing
- ME 376N: High Throughput Nanopatterning
- ** ES 277: Humanitarian Product Design (2 semesters)
- ** ES 277K+L: Projects with Underserved Communities

Dynamic, Vibrations, Acoustics & Controls

- ME 350R: Robot Mechanism Design
- ME 364L: Automatic Control System Design
- ME 379N: Engineering Acoustics

Industrial Engineering & Management

- ME 366L/ORI 366: Operations Research Models
- ME 369P: Programming for Engineers

Biomedical & Biomechanical Engineering

- ME 350R: Robot Mechanism Design
- ME 354M: Biomechanics of Human Movement
- ME 371D: Medical Device Design & Manufacturing

Humanitarian Engineering

- ME 337F: Nuclear Environmental Protection
- ME 354M: Biomechanics of Human Movement
- ME 371D: Medical Device Design & Manufacturing
- ME 378E: Nanotechnology for Sustainable Energy
- ** ES 277: Humanitarian Product Design (2 semesters)
- ** ES 277K+L: Projects with Underserved Communities

Robotics & Mechatronics

- **REQUIRED ROBOTICS COURSES:**
  o ME 350R: Robot Mechanism Design
- **REQUIRED MECHATRONICS COURSE:**
  o **NO COURSES BEING OFFERED**
- **ELECTIVES (max 6 hours allowed):**
  o ME 364L: Automatic Control System Design
  o ME 369P: Programming for Engineers

Sustainable Engineering

- ME 336P: Concepts in Nuclear & Radiation Engineering
- ME 337F: Nuclear Environmental Protection
- ME 378E: Nanotechnology for Sustainable Energy

Custom Track ONLY

- ME 379M: Qualitative Research Methods in ENGR

**Requires application and admission

~Created 3/03/2026~

Complete track lists can be found here: https://www.me.utexas.edu/academics/undergraduate-program/career-gateway-electives