

Fall 2023 Career Gateway Electives

Energy Systems Engineering

ME 343: Thermal Fluid Systems (**REQUIRED**)

ME 360N: Intermediate Heat Transfer

ME 378E: Nanotechnology for Sustainable Energy

Nuclear & Radiation Engineering

ME 336P: Concepts in Nuclear & Radiation Engineering

ME 337F: Nuclear Environmental Protection

Advanced Materials Engineering

ME 336: Materials Processing (**REQUIRED**)

ME 349: Corrosion Engineering

ME 350: Machine Tool Operations for Engineers

ME 359: Materials Selection

ME 378K: Mechanical Behavior of Materials (**REQUIRED**)

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 359: Materials Selection

ME 371D: Medical Device Design & Manufacturing

ME 379M: Theory & Design of Mechanical Measurement

Dynamic, Vibrations, Acoustics & Controls

ME 350R: Robot Mechanism Design

ME 364L: Automatic Control System Design

ME 379N: Engineering Acoustics

ME 379M: Theory & Design of Mechanical Measurement

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

Robotics & Mechatronics

REQUIRED MECHATRONICS COURSES:

ME 348F/ME 392Q.9: Advanced Mechatronics II

REQUIRED ROBOTICS COURSE:

ME 350R: Robot Mechanism Design

ELECTIVES (6 hours allowed):

ME 364L: Automatic Control System Design

ME 369P: Programming for Engineers

ME 379M: Theory & Design of Mechanical Measurement

Sustainable Engineering

ME 336P: Concepts in Nuclear & Radiation Engineering

ME 378E: Nanotechnology for Sustainable Energy

****Updated 02/23/2023**

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