Spring 2024 Career Gateway Electives

**Energy Systems Engineering**
ME 363M: Energy, Technology, & Policy
ME 374T: Renewable Energy Technology

**Nuclear & Radiation Engineering**
ME 337G: Nuclear Safety & Security
ME 361E: Nuclear Reactor Operations & Engineering

**Advanced Materials Engineering**
ME 350: Machine Tool Operations for Engineers
ME 359: Materials Selection
ME 378D: Failure Analysis
ME 378Q: Polymer Nanocomposites

**Automotive & Vehicle Systems Engineering**
ME 355K: Engineering Vibrations
ME 379M: Connected Autonomous Vehicles

**Design & Manufacturing**
ME 350: Machine Tool Operations for Engineers
ME 350R: Robot Mechanism Design
ME 355K: Engineering Vibrations
ME 359: Materials Selection
ME 376N: High Throughput Nanopatterning

**Dynamic, Vibrations, Acoustics & Controls**
ME 350R: Robot Mechanism Design
ME 355K: Engineering Vibrations
ME 364D: Intermediate Dynamics

**Industrial Engineering & Management**
ME 367S/ORI 367: Simulation Modeling
ME 379M: Data Science for Engineers

**Biomedical & Biomechanical Engineering**
ME 350R: Robot Mechanism Design
ME 379M: Tissue Microenvironments

**Humanitarian Engineering**
ME 363M: Energy, Technology, & Policy
ME 374T: Renewable Energy Technology

**Robotics & Mechatronics**
REQUIRED MECHATRONICS COURSES:
ME 350R: Robot Mechanism Design
REQUIRED ROBOTICS COURSE:
NO ROBOTICS CGEs OFFERED FOR SPRING 2024

ELECTIVES (6 hours allowed):
ME 355K: Engineering Vibrations
ME 379M: Data Science for Engineers

**Sustainable Engineering**
ME 363M: Energy, Technology, & Policy
ME 374T: Renewable Energy Technology

**Updated 09/06/2023**

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