

Fall 2024 Career Gateway Electives

Energy Systems Engineering

ME 337C: Introduction to Nuclear Power Systems

ME 343: Thermal Fluid Systems (Required Course)

ME 378E: Nanotechnology for Sustainable Energy

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

ME 336: Materials Processing (Required Course)

ME 350: Machine Tool Operations for Engineers

ME 378K: Mechanical Behavior of Materials (Required Course)

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

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

ES 277K: Projects Dev Underserved Comnty

Robotics & Mechatronics

REQUIRED **ROBOTICS COURSES:**

ME 350R: Robot Mechanism Design

REQUIRED **MECHATRONICS COURSE:**

NO COURSES OFFERED FOR FALL 2024

ELECTIVES (6 hours allowed):

ME 364L: Automatic Control System Design

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

****Updated 04/10/2024**