

## **Energy Systems Engineering**

ME 363M: Energy Technology and Policy

ME 374F: Fire Science

ME 374T: Renewable Energy Technology

## **Nuclear & Radiation Engineering**

ME 337G: Nuclear Safety & Security

ME 361E: Nuclear Reactor Operations & Engineering

## **Advanced Materials Engineering**

ME 349: Corrosion Engineering

ME 350: Machine Tool Operations for Engineers

ME 359: Materials Selection

ME 378D: Failure Analysis

ME 379Q: Engineering Acoustics

## **Automotive & Vehicle Systems Engineering**

ME 355K: Engineering Vibrations

ME 379M – Connected Auton Electr Vehicle

## **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

ES 277: Humanitarian Product Design (2 semesters)

ES 277K+L: Projects with Underserved Communities

## **Dynamics, Vibrations, Acoustics, & Controls**

ME 348F: Adv Mechatronics II

ME 350R: Robot Mechanism Design

ME 355K: Engineering Vibrations

## **Industrial Engineering & Management**

ME 365D: Data Science for Engineers

ME 367S/ORI 367: Simulation Modeling

SDS 322E: Elements of Data Science

ARE 323K: Project Management & Economics

Any UD McCombs course (6 hours max)

## **Biomedical & Biomechanical Engineering**

ME 350R: Robot Mechanism Design

ME 379M: Tissue Microenvironments

## **Humanitarian Engineering**

ME 363M: Energy, Technology, & Policy

ME 374T: Renewable Energy Technology

ES 277: Humanitarian Product Design (2 semesters)

ES 277K+L: Projects with Underserved Communities

## **Robotics & Mechatronics**

**REQUIRED: ROBOTICS (Pick 1)**

ME 350R: Robot Mechanism Design

**REQUIRED: MECHATRONICS (Pick 1)**

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

**ELECTIVES (Pick 2)**

ME 355K: Engineering Vibrations

ME 365D: Data Science for Engineers

ECE 362K: Introduction to Automatic Control

ECE 445L: Embedded Systems Design Lab

CS 376: Computer Vision

ASE 370C: Feedback Control Systems

## **Sustainable Engineering**

CE 341 – Intro to Environmental Engineering

ME 363M – Energy, Technology and Policy

ME 374T – Renewable Energy Technology