Spring 2021
Mechanical & Materials Engineering Elective and Grad Offerings
(subject to change)
(Design electives in **bold**)

400/800 Elective Courses

- MATL 473/873 Corrosion
- MATL 492/892 Soft Materials
- MATL 492/892 Intro to Quantum Materials
- MECH 416/816 Engineering Acoustics
- MECH 431/831 Computational Heat Transfer and Fluid Flow

**MECH 437/837 Introduction to Biomedical Device Design**

- MECH 449/849 Advanced Dynamics
- MECH 451/851 Introduction to Finite Element Analysis
- MECH 455/855 Vehicle Dynamics

**MECH 457/857 Mechatronic Systems Design**

- MECH 475/875 Introduction to Mechanical Vibrations

**MECH 492/892 Making for Innovation**

- MECH 492/892 Manufacturing Engineering I
- MECH 492/892 Additive Manufacturing
- MECH 492/892 Experimental Mechanics of Composites
- MECH 492/892 Data-Driven Science & Engineering
- MECH 492/892 Biofabrication
- MECH 492/892 MEMS/NEMS Fabrication & Microfluidics

**Grad Only**

- MECH 812 Viscous Flow II
- MECH 925 Manufacturing & Dynamic Systems Modeling
- MECH 933 Theory of Elasticity I
- MECH 939 Viscoelasticity
- MECH 940 Fracture Mechanics