

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