Fall 2021
Mechanical & Materials Engineering Elective and Grad Offerings
(subject to change)

400/800 Elective Courses

MATL 469/869 Physical Materials Science (Tech or Sr.)
MATL 471/871 Electron Microscopy of Materials (Tech or Sr.)
MECH 408/808 Heat Exchanger Design (Design, Tech or Sr.)
MECH 436/836 Intro to Continuum Biomechanics (Tech or Sr.)
MECH 442/842 Intermediate Kinematics (Design, Tech or Sr.)
MECH 450/850 Control System Design (Design, Tech or Sr.)
MECH 453/853 Robotics: Kinematics & Design (Tech or Sr.)
MECH 480/880 Numerical Methods (Tech or Sr.)
MECH 492/892 Sustainable Manufacturing (Tech or Sr.)
MECH 492/892 Nanoscale Heat Transfer (Tech or Sr.)
MECH 492/892 MEMS/NEMS Fabrication & Microfluidics (Tech or Sr.)
MECH 492/892 Intro to Cell Mechanics (Tech or Sr.)
MECH 492/892 Advanced Biomaterials (Tech or Sr.)

Grad Only

MATL 962 Imperfections in Crystals
MATL 972 Phase Transformations
MECH 801 Analytical Methods in Engineering I
MECH 810 Viscous Flow I
MECH 902 Optimal Control Theory
MECH 910 Continuum Mechanics
MECH 918 Fundamentals of Finite Elements
MECH 934 Theory of Elasticity II
MECH 970 Advanced Manufacturing Processes
MECH 996 Electrochemical Manufacturing