

Fall 2020
Mechanical & Materials Engineering Elective and Grad Offerings

(subject to change)
(Design electives in **bold**)

400/800 Elective Courses

MATL 460/860 Mechanical Aspects of Materials
MATL 462/862 X-ray Diffraction
MATL 469/869 Physical Materials Systems
MATL 492/892 Intro to Materials for Nuclear Engineering
MECH 406/806 Air Conditioning Systems Design
MECH 436/836 Intro to Continuum Biomechanics
MECH 450/850 Mechanical Engineering Control Systems Design
MECH 453/853 Robotics and Kinematics
MECH 470/870 Theory and Practice of Materials Processing
MECH 480/880 Numerical Methods in Engineering
MECH 492/892 Microscale Transport Phenomena
MECH 492/892 Experimental Mechanics of Composites
MECH 492/892 Evolution: Science and Technology

Grad Only

MATL 972 Transformation in Materials
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 958 Advanced Mechatronics
MECH 970 Advanced Manufacturing Processes
MECH 975 Advanced Vibration
MECH 996 Functional Tissue Engineering