

Communication Required Courses
COMM 111 Public Speaking
ENGL 101 College English I
ENGL 102 College English II
Mathematics
MATH 242 Calculus I
MATH 243 Calculus II
MATH 344 Calculus III
MATH 555 Differential Equations I
Science
CHEM 211 General Chemistry I
PHYS 313 University of North Carolina at Chapel Hill

Mechanical Electives (Two Courses)
ME 469 Energy Conversion
ME 581 Introduction of Corrosion
ME 602 Engineering for the Environment
ME 650V Conduction of Heat Transfer
ME 650W Introduction to Micro-Electro-Mech Systems
ME 651 Biomaterials
ME 660 Polymer Material and Engineering
ME 665 Selection of Materials for Design/ Manufacturing
ME 667 Mechanical Properties of Materials
ME 670 Intro to Nano Technology
ME 672 & L Manufacturing of Composites
ME 673 Recovering of Engineering Materials
ME 680 & L Laser Materials Process and Design
ME 702 Energy and Sustainability
ME 709 Injury Biomechanics
ME 710 Six Sigma for Mechanical Engineers
ME 719 Basic Combustion Theory
ME 725 Mechanical Vibrations and Acoustics
ME 728 Advanced Electronic Materials
ME 737 Robotics and Control
ME 739 Advanced Machine Design
ME 747 Microcomputer Based Mechanical Systems
ME 750AE Computer Modeling for Fluid Flow & Heat Transfer
ME750AF Autonomous Vehicles
ME 750 AG Indoor Air Pollution & Simulation
ME 750 AI Phase Transformation in Materials
ME 752 Failure Analysis Methods and Tools
ME 753 Advanced Materials for Energy Systems
ME 758 Non-Linear Control Electro-Mech Systems
ME 760 Fracture Mechanics
ME 762 Polymeric Composite Materials
ME 775 Introduction to Micro-electro Mech Systems