



MECHANICAL ENGINEERING MASTER OF SCIENCE/MASTER OF ENGINEERING PREREQUISITES

Math and Science Prerequisites

- MATH 1401 Calculus I
- MATH 2411 Calculus II
- MATH 2421 Calculus III
- MATH 3195 Linear Algebra and Differential Equations
- CHEM 1130 Engineering General Chemistry
- PHYS 2311 General Physics I: Calculus-Based
- PHYS 2321 General Physics Lab I
- PHYS 2331 General Physics II: Calculus-Based
- PHYS 2341 General Physics Lab II

Mechanical Engineering Prerequisites (all tracks)

- ENGR 3012 Thermodynamics
- MECH 2033 Dynamics
- MECH 3010 Intro to Numerical Methods
- MECH 3043 Strength of Materials

General Track Prerequisites

- MECH 3023 System Dynamics I: Vibrations
- MECH 3042 Heat Transfer or MECH 3021 Fluid Mechanics

Biomechanics/Mechanics Track Prerequisites

- MECH 3023 System Dynamics I: Vibrations
- MECH 3035 Design of Mechanical Elements

Thermal Sciences Track Prerequisites

- MECH 3021 Introduction to Fluid Mechanics
- MECH 3042 Heat Transfer