



Mechanical Engineering Online (MS) Course Schedule

FALL - A TERM

ME 5000. APPLIED ANALYTICAL METHODS IN
ENGINEERING

ME 5105. RENEWABLE ENERGY

ME 5311. STRUCTURE AND PROPERTIES
OF ENGINEERING MATERIALS

ME Depth/Elective

ME Depth/Elective

ME Depth/Elective

ME Depth/Elective

FALL - B TERM

ME 5200. MECHANICAL VIBRATIONS

ME 5312. PROPERTIES AND PERFORMANCE
OF ENGINEERING MATERIALS

ME 5358. PLASTICS

ME 593. ST: DESIGN OF THERMAL SYSTEMS

ME Depth/Elective

ME Depth/Elective

SPRING 1 - C & D

ME 501. ROBOT DYNAMICS (*3 Credits)

ME 516. HEAT TRANSFER (*3 Credits)

ME 5001. APPLIED NUMERICAL METHODS IN
ENGINEERING

ME 5420. FUNDAMENTALS OF AXIOMATIC
DESIGN OF MANUFACTURING PROCESSES

ME 5381. APPLIED ELASTICITY

MTE 594. COATINGS AND SURFACE
TREATMENTS

ME Depth/Elective

ME Depth/Elective

SPRING 2 - D

ME 5303. APPLIED FINITE ELEMENT
METHODS IN ENGINEERING

ME 5356. SMART MATERIALS

ME 5420. FUNDAMENTALS OF AXIOMATIC
DESIGN OF MANUFACTURING PROCESSES

ME 5441. DESIGN FOR MANUFACTURABILITY

ME Depth/Elective

ME Depth/Elective



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SUMMER - E TERM

MIS 576. Project Management or OIE 541 Operations Risk Management

ME Depth/Elective

ME Depth/Elective

ADDITIONAL ME ELECTIVES

ME 5101. ADVANCED FLUID DYNAMICS

ME 5103. COMPUTATIONAL FLUID DYNAMICS

ME 5104. TURBOMACHINERY

ME 5110. INTRODUCTION TO PLASMA DYNAMICS

ME 5202. ADVANCED DYNAMICS

ME 5205. BIOMEDICAL ROBOTICS

ME 5220. CONTROL OF LINEAR DYNAMICAL SYSTEMS

ME 593. ST: BIOMATERIALS

ME 593. ST: FUND OF SURFACE METROLOGY

**Contact your operations manager with any questions
about enrolling in a course.**