

Approved Technical Elective Courses for Mechanical Engineering Majors

CIVL 302 Engineering Sustainability and Economic Analysis
CIVL 313 Structural Mechanics
CIVL 411 Soil Mechanics and Foundations
CIVL 431 Environmental Engineering
CIVL 461 Water Resources Engineering
CIVL 567 Pipeline Hydraulics and Design
CIVL 592 Construction Management

EECE 311 Linear Circuits II
EECE 375 Fields and Waves
EECE 450 Optics
EECE 451 Laser and Their Applications
EECE 481 Electromechanical Conversion

MECA 398 Special Topics (for 3 units)
MECA 399 Special Problems (for 3 units)
MECA 470 Robotics Engineering
MECA 486 Motion and Machine Automation
MECA 498 Special Topic (for 3 units)
MECA 499 Special Problems (for 3 units)

MECH 389 Industrial Internship (for 3 units)
MECH 398 Special Topic (for 3 units)
MECH 399 Special Problems (for 3 units)
MECH 408 Modeling and Simulation
MECH 410 Advanced Materials Science and Engineering
MECH 424 Mechanical Vibrations
MECH 430 Nanoscale Science and Engineering
MECH 433 Solar Energy Engineering
MECH 435 Low Speed Aerodynamics
MECH 498 Special Topics (for 3 units)
MECH 499 Special Problems (for 3 units)
MECH 499H Honors Project

SMFG 347 Sustainable Polymer Composites
SMFG 451 Quality Management
SMFG 458 Project Management
SMFG 477 Semiconductor Manufacturing

Please contact the MEMM Department Chair for approved upper division CHEM, MATH or PHYS courses.