Topics of Undergraduate MEEN Elective Courses
Reviewed and approved in the MEE Undergraduate Curriculum Committee
Updates 5.31.2017

Energy Electives

MEEN 4110 Alternative Energy Sources x 5110.001
MEEN 4112 Nuclear Energy
MEEN 4300 Intermediate Thermodynamics
MEEN 4310 Intermediate Heat Transfer
MEEN 4315 Nanoscale Energy Transport Process x 5315.001
MEEN 4320 Mechanical Systems for Buildings
MEEN 4330 Intro Combustion Science and Engineering x 5330.001
MEEN 4332 Fundamentals of Air Pollution Engineering
MEEN 4335 Computational Simulation of Building Energy Systems
MEEN 4340 Energy Efficiencies and Green Building for Commercial Buildings
MEEN 4350 Energy Efficiencies and Green Building for Residential Buildings
MEEN 4410 Energy Harvesting Systems x 5410.001
MEEN 4800.### Topics: Fundamentals of Oil and Gas
MEEN 4800.### Topics: Geothermal Heat Pumps
MEEN 4800.### Topics: Energy Materials

** MEEN 4810 is the course number for Energy Elective Topics Courses. MEEN 4800 courses cannot be counted as energy electives except for the three 4800 courses listed above.

Technical Electives

MEEN 4120 Aerospace Fundamentals
MEEN 4130 Failure of Deformable Bodies
MEEN 4140 Finite Element Analysis
MEEN 4151 Manufacturing of Renewable Biocomposites for Lightweight Energy Efficient Structures
MEEN 4152 Mechanics of Composites and Foams for Lightweight Energy Efficient Structures
MEEN 4160 Mechanical Vibrations
MEEN 4415 Smart Materials and Structures
MEEN 4488 Introduction to Microfluidics
MEEN 4510 Electronic Manufacturing Technologies
MEEN 4800 Topics in Mechanical and Energy Engineering
MEEN 4800.### Topics: Geothermal Heat Pumps
MEEN 4800.### Topics: Fundamentals of Oil and Gas
MEEN 4800.### Topics: Energy Materials
MEEN 4800.### Topics: Solid Mechanics x5410
MEEN 4800.### Topics: Feedback Control
MEEN 4800.### Topics: Experimental Design in Engineering
MEEN 4930 Undergraduate Research
MFET 4190 Quality Assurance
MEET 4900 Geometric Dimensioning & Tolerancing

** MEEN 4800 is the course number for Technical Elective Topics Courses. MEEN 4810 courses cannot be counted as Technical Electives.

These course are not offered every semester.