AEROSPACE ENGINEERING
TECHNICAL ELECTIVES

MAE 110B Thermodynamic Systems
MAE 118 Intro to Energy Systems
MAE 119 Intro to Renewable Energy: Solar & Wind
MAE 120 Intro to Nuclear Energy
MAE 133 Finite Element Methods
MAE 131B Solid Mechanics II
MAE 131C Solid Mechanics III
MAE 144 Embedded Control and Robotics
MAE 145 Intro to Robotic Planning and Estimation
MAE 149 Sensor Networks
MAE 180A Spacecraft Guidance I
MAE 181 Space Mission Analysis and Design
SE 131 Finite Element Analysis
SE 142 Design of Composite Structures
SE 163 Nondestructive Evaluation

MAE 160 is not an approved TE due to overlapping material in SE 160A/B.
MAE 199 cannot be used for TE credit for the Aerospace Engineering major.

GRADUATE COURSES:*

MAE 207 Topics in Engineering Science
MAE 210A Fluid Mechanics I (graduate level)
MAE 211 Intro to Combustion
MAE 212 Introductory Compressible Flow
MAE 213 Mechanics of Propulsion
MAE 220A Physics of Gases
MAE 221A Heat Transfer (graduate level)
MAE 280A Linear Systems Theory
SE 201A Advanced Structural Analysis
SE 202 Structural Stability
SE 203 Structural Dynamics
SE 204 Advanced Structural Dynamics
SE 205 Nonlinear Mechanical Vibrations
SE 207 Topics in Structural Engineering
SE 252 Experimental Mechanics and NDE
SE 253A Mechanics of Laminated Composite Structures I

* Enrollment in graduate courses requires approval by the instructor and course dept.

For information about receiving TE credit for courses not on this list, please contact an MAE undergraduate advisor:
Mae-ugrad@eng.ucsd.edu