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 143C     Digital Control Systems
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.

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:
Sandra de Sousa (sdesousa@ucsd.edu), Chelsea Rankin (crankin@ucsd.edu)