AEROSPACE ENGINEERING
TECHNICAL ELECTIVES

MAE 110B     Thermodynamic Systems
MAE 118A     Introduction to Energy Systems
MAE 118B     21st Century Energy Technologies I
MAE 118C     21st Century Energy Technologies II
MAE 133       Finite Element Methods
MAE 131B     Solid Mechanics II
MAE 131C  Solid Mechanics III
MAE 135     Computational Mechanics
MAE 143C     Digital Control Systems
MAE 149   Sensor Networks
MAE 152       Computer Graphics for Engineers and Scientists
MAE 180A     Spacecraft Guidance
MAE 181 Space Mission Analysis and Design (formerly MAE 180B)
MAE 191 Topics in Engineering Science (approved for selected topics only)
SE 131 Finite Element Analysis
SE 142 Design of Composite Structures
SE 144 Aerospace Structural Analysis
SE 163 Nondestructive Evaluation and Design

* MAE 160 is not an approved T.E. due to overlapping material in SE 160AB.

GRADUATE COURSES:

MAE 207     Topics in Engineering Science
MAE 210A     Fluid Mechanics I (graduate level)
MAE 211 Introduction to Combustion
MAE 212 Compressible Flow
MAE 213 Mechanics of Propulsion
MAE 220A Physics of Gases
MAE 221A Heat Transfer
MAE 280A Linear Systems Theory
SE 201 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 251 Processing Science of Composites
SE 252 Experimental Mechanics and NDE
SE 253 Mechanics of Laminated Composite Structures

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

Questions? Please contact an MAE Undergraduate Advisor, Gerri Johnson, at gljohnson@ucsd.edu or Christina Sandoval-Paquette, at cgsandoval@ucsd.edu.