AEROSPACE ENGINEERING TECHNICAL ELECTIVES

Aerospace Engineering majors are required to complete one TE.

-Not all courses are offered each year/quarter.
-All prerequisites are enforced.

The following classes that are not already required for your major are approved as TEs:

MAE 101D Intermediate Heat Transfer
MAE 108 Probability and Statistical Methods
MAE 110 Thermodynamic Systems (formerly 110B)
MAE 118 Intro to Energy & Environment
MAE 119 Intro to Renewable Energy: Solar & Wind
MAE 120 Intro to Nuclear Energy
MAE 122 Flow & Transport in the Environment
MAE 131B Solid Mechanics II
MAE 133 Finite Element Methods
MAE 140 Linear Circuits (only for students following the FA17 catalog)
MAE 144 Embedded Control and Robotics
MAE 145 Robotic Planning and Estimation
MAE 148 Intro to Autonomous Vehicles
MAE 149 Sensor Networks
MAE 150 Computer-Aided Design (only for students following the FA17 catalog)
MAE 154 Product Design & Entrepreneurship
MAE 181 Space Mission Analysis and Design
MAE 184 Flight Simulation Techniques
MAE 199 Independent Study (2 quarters of MAE 199 can be used for 1 TE under certain circumstances. See our website, mae.ucsd.edu, for details.)

SE 120 Engineering Graphics and Computer-Aided Structural Design
SE 131 Finite Element Analysis
SE 142 Design of Composite Structures
SE 143A Aerospace Structural Design I
SE 143B Aerospace Structural Design II
SE 163 Nondestructive Evaluation
SE 171 Aerospace Structures Repair

ECE 120 Solar System Physics
ECE 172A Introduction to Intelligent Systems
MATH 102 Applied Linear Algebra
MATH 120A Elements of Complex Analysis
MATH 175 Numerical Methods for Partial Differential Equations
MATH 187 Intro to Cryptography

MAE 160 is not an approved TE due to overlapping material in SE 160A/B.

(continued on next page)
GRADUATE COURSES*

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

All TEs must be taken for a letter grade. No P/NP grades allowed except in MAE 199.

If you enroll in a course on this list and it is not shown on your degree audit, please notify a MAE undergraduate advisor.

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