AEROSPACE ENGINEERING
Four Year Plan, FA17 Catalog

Aerospace engineering is a four-year curriculum that begins with fundamental engineering courses in mechanics, thermodynamics, materials, solid mechanics, fluid mechanics, and heat transfer. Additional courses are required in aerospace structures, aerodynamics, flight mechanics, propulsion, controls, and aerospace design. Graduates of this program normally enter the aerospace industry to develop aircraft and spacecraft, but also find employment in other areas that use similar technologies, such as mechanical and energy-related fields. Examples include automobile, naval, and sporting equipment manufacturing. This program received ABET accreditation in 2002.

Recommended Sequence of Required Courses: **Updated August 2017**

FALL QUARTER	WINTER QUARTER	SPRING QUARTER
Year 1		
Math 20A	Math 20B	Math 20C
MAE 2	Phys 2A	Phys 2B
Chem. 6A	GE	MAE 21 (Pending materials course)
GE (General Education)	GE	GE
Year 2		
Math 20D	Math 18 *(formerly 20F)*	Math 20E
Phys. 2C	MAE 8	MAE 131A
GE	MAE 130A*	MAE 130B*
GE	GE	GE
Year 3		
MAE 11 (formerly 110A)	MAE 101A*	MAE 101B*
MAE 105*	MAE 143A*	MAE 143B*
MAE 180A	MAE 130C*	MAE 170
MAE 107	SE 160A*	SE 160B*
Year 4		
MAE 101C*	MAE 155A*	MAE 155B*
MAE 104*	MAE 175A *	GE
GE	MAE 142*	GE
GE	MAE 113*	TE (Technical Elective)

WHEN SCHEDULING CLASSES, **THE MAE DEPARTMENT FOLLOWS THIS CURRICULUM GRID**. DEVIATION FROM THIS ACADEMIC PLAN COULD DELAY YOUR GRADUATION. IT IS YOUR RESPONSIBILITY TO BE AWARE OF COURSE PREREQUISITES AND QUARTERLY COURSE OFFERINGS.

- Chem 6AH may be taken in place of Chem 6A.
- All courses required for the major must be taken for a letter grade. The Pass/No Pass grading option is not allowed.
- Students may graduate with one D in a non-prerequisite course required for the major. All other major courses must be passed with at least a C-.
- In fulfilling the General Education (GE) requirements, students must take at least 24 units in the arts, humanities, and social sciences, not including subjects such as accounting, industrial management, finance, or personnel administration. Twelve GE courses are listed here; individual college requirements may be higher or lower.
- The Technical Elective (TE) course must be an upper-division or graduate course in the engineering sciences, natural sciences or mathematics and must be selected with prior approval of the Department. Refer to the list of pre-approved TEs available at the MAE Advising Office and at www.mae.ucsd.edu.

* **ASTERISK DENOTES A COURSE THAT MUST BE TAKEN AT LEAST BY THAT QUARTER TO GRADUATE IN FOUR YEARS.**