

MECHANICAL ENGINEERING

Four Year Plan, FA19 Catalog

The Mechanical Engineering Program has a traditional ABET accredited four-year curriculum involving mechanics, vibrations, thermodynamics, fluid flow, heat transfer, materials, control theory and mechanical design. Graduates of this program find employment in the high-technology elector-mechanical industry as well as in the mechanical and aerospace industry.

Recommended Sequence of Required Courses: Updated June 2019

<u>FALL QUARTER</u>	<u>WINTER QUARTER</u>	<u>SPRING QUARTER</u>
Year 1		
Math 20A	Math 20B	Math 20C
Chem 6A	Phys 2A	Phys 2B
GE (General Education)	GE	MAE 3
GE	GE	GE
Year 2		
Math 20D	Math 18* (<i>formerly 20F</i>)	Math 20E
Phys 2C	MAE 8	TE (Technical Elective)
MAE 20	MAE 30A (<i>formerly 130A</i>)	MAE 30B (<i>formerly 130B</i>)
GE	GE	MAE 131A
Year 3		
MAE 11 (<i>formerly 110A</i>)	MAE 101A*	MAE 101B*
MAE 107	MAE 143A*	MAE 143B*
MAE 105*	MAE 160* or MAE 131B*	MAE 170
MAE 40 (<i>formerly 140</i>)	TE	GE
Year 4		
MAE 101C*	MAE 156A*	MAE 156B*
MAE 150*	MAE 171A*	TE
TE	TE	GE
GE	GE	GE

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.

- 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 course required for the major.
- 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.
- Technical Elective (TE) courses must be upper-division or graduate courses 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 mae.ucsd.edu.

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