Mechanical Engineering Undergraduate Curriculum

**GENERAL NOTES**
- If prerequisites are met, students are encouraged to take E7 in Freshman Fall.
- Math 53 & 54 must be completed before taking any upper division ME course.
- Please be aware that though courses may not be listed as official prerequisites, upper division courses are taught with the expectation that you have taken lower division courses.
- **Planned = Prereq or Co-Req**

**GENERAL TECHNICAL ELECTIVE NOTES**
- 15 Units of technical elective are required.
- 9 of 15 units must be ME-sponsored.
- 1 Course must be from the Design List.
- 1 Course must be from the QS list.
- Only 3 units of the 15 can be from lower division courses. A lower division tech is not required.
- Up to 6 of the 15 units may be taken from outside the department; the rest must be ME-sponsored.
- ME 191K is not a technical course; it is an H/SS.
- For a list of possible courses, please see http://www.me.berkeley.edu/undergraduate/course-information/undergraduate-technical-electives

**FOR AEROSPACE CONCENTRATION**
- TE ME 163. Aerodynamics
- TE ME 136. Intro. to Control of Unmanned

**LOWER DIV OPTIONS**
- Astro 7A, 7B
- BioE 10
- Bio 1A & 1AL, 1B
- Chem 1B, 3A*, 3B*, 4B
- Civ Eng 13, 60, 70, 93
- CS C8, 61A, 61B, 61C, 70
- Des Inv 15, 90E
- EE 16B, 20
- ENG 11
- ENG 40
- Math 55
- MSE 45*
- MCB 32*
- Physics 7C
- Stat 20, 21
- *Lab section not required.

**DESIGN COURSES**
- All of the courses below are considered ME-sponsored.
- ENG 128
- ME 101
- ME 110
- ME C117
- ME 119
- ME 128
- ME 130
- ME 135
- ME 146
- ME 165
- ME C176

**QUANTITATIVE SCIENCE (QS)**
This requirement seeks to endow students with QS skills to complement the intensive hands-on courses required in the upper division. All of the courses below are considered ME-sponsored.
- ENG 117
- ENG 150
- ENG 177
- ME 120
- ME 136
- ME C134
- ME 131
- ME C180

Additional courses outside MechE can be found at https://www.me.berkeley.edu/undergraduate/course-information/undergraduate-technical-electives#quantsci