Mechanical Engineering Undergraduate Curriculum

FRESHMAN YEAR

FALL
- MATH 1A 4
- CHEM 1A 3
- R&C A 4
- E26 2
- ENG 29 4

SPRING
- MATH 1B 4
- PHYS 7A 4
- R&C B 4
- E7* 4
- ENG 7 4

SOPHOMORE YEAR

FALL
- MATH 53 4
- PHYS 7B 4
- ME 104 3
- ME 108 4
- ME C85 3

SPRING
- MATH 54 4
- ME 40 3
- ME 106 3
- HSS 3-4 (e.g., Upper Div)
- HSS 3-4 (e.g., Upper Div)

JUNIOR YEAR

FALL
- ME 100 4
- ME 109 3
- HSS (3-4)
- HSS (3-4)
- ME 132 3

SPRING
- ME 103** 4
- ME TE/AERO^ 3-4
- ME TE/AERO^ 3-4
- ME TECH ELEC 3-4
- ME TECH ELEC 3-4

SENIOR YEAR

FALL
- ME 102B 4
- ME 103 4
- ME 110 4
- ME C176 3
- ME C178 3

SPRING
- ME 103 4
- ME 110 4
- ME 110 4
- ME 110 4
- ME 110 4

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

GENERAL TECHNICAL ELECTIVE NOTES
- 15 Units of tech 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 div courses. A lower div tech is not required.
- Up to 6 of the 15 units may be taken from outside the dept; 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 Control of Unmanned Aerial Vehicles
- TE ME 127 ME Composite Materials

LOWER DIV OPTIONS
- Astro 7A, 7B
- BioE 10
- Bio 1A & 1AL, 1B
- Chem 1B, 3A*, 3B*, 4B
- Civ Eng 11, 60, 70, 93
- CS C8, 61A, 61B, 61C, 70
- Des Inv 15, 90E
- EPS 50
- EE 168, 20
- ENG 11
- ENG 40
- Math 55
- MSE 45*
- MCB 32*
- Physics 7C
- Stat 20, 21

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
- ME C178

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
- ENG 120
- ENG 136
- ENG C180

Additional courses outside MechE can...
<table>
<thead>
<tr>
<th>Course</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1A</td>
<td>HS</td>
</tr>
<tr>
<td>MATH 1B</td>
<td>MAT</td>
</tr>
<tr>
<td>MATH 53</td>
<td>MAT</td>
</tr>
<tr>
<td>MATH 54</td>
<td>MAT</td>
</tr>
<tr>
<td>ME 100</td>
<td>ENG 7</td>
</tr>
<tr>
<td>ME 102B</td>
<td>ENG</td>
</tr>
<tr>
<td>ME 103</td>
<td>ME</td>
</tr>
<tr>
<td>ME 104</td>
<td>ENG</td>
</tr>
<tr>
<td>ME 106</td>
<td>ME</td>
</tr>
<tr>
<td>ME 108</td>
<td>ME</td>
</tr>
<tr>
<td>ME 109</td>
<td>ME</td>
</tr>
<tr>
<td>ME 132</td>
<td>MAT</td>
</tr>
<tr>
<td>ME 40</td>
<td>CHEM</td>
</tr>
<tr>
<td>ME C85</td>
<td>MAT</td>
</tr>
<tr>
<td>ENG 78</td>
<td>MAT</td>
</tr>
<tr>
<td>PHYSICS 7A</td>
<td>HS</td>
</tr>
<tr>
<td>PHYSICS 7B</td>
<td>7A</td>
</tr>
</tbody>
</table>