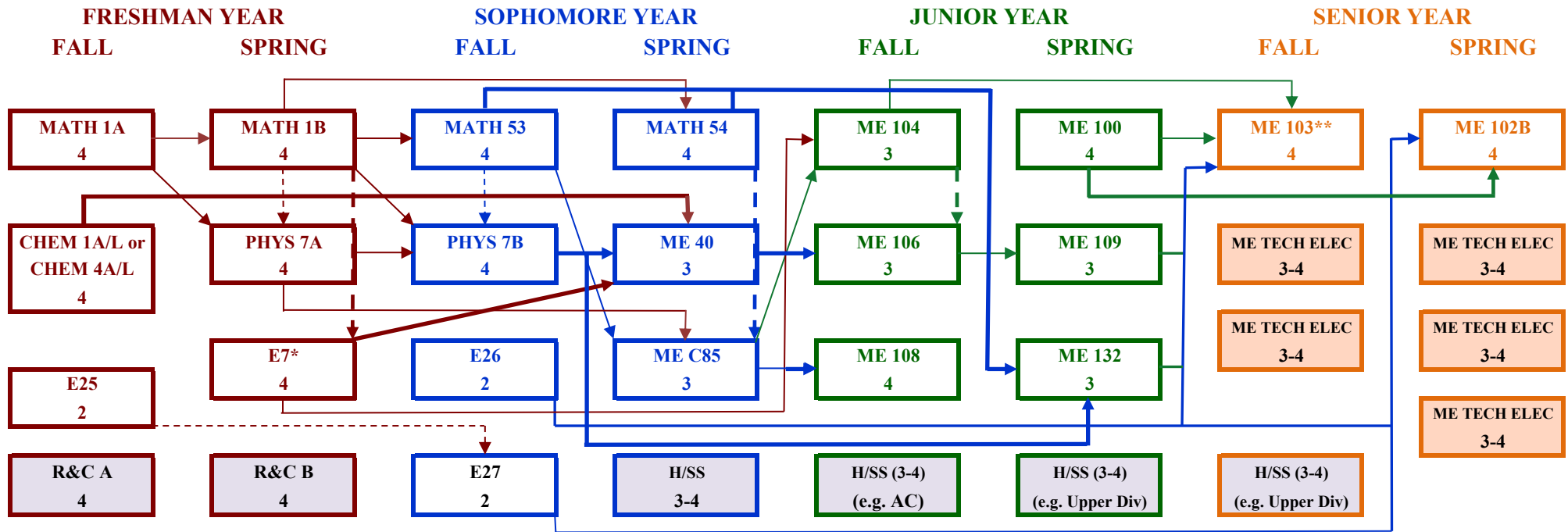


# Mechanical Engineering Undergraduate Curriculum



## 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.
- \*\*Planned

COURSE #  
# OF UNITS
→ Prereq  
- - - Prereq or  
Co-Req

## GENERAL TECHNICAL ELECTIVE NOTES

- 15 Units of tech elective are required.
- 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>

## 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 16B, 20  
 Engin 15, 45\*  
 Math 55  
 MCB 32\*  
 Physics 7C  
 Stat 20, 21

\*Lab section not required.

## DESIGN COURSES

*All of the courses below are considered ME-Sponsored.*

Engin 128  
 ME 101  
 ME 110  
 ME C117  
 ME 119  
 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 177  
 ME 120  
 ME C180

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

<b>Course</b>	<b>Prereqs</b>
<b>CHEM 1A</b>	High school chemistry recommended
<b>ENG 25</b>	-
<b>ENG 26</b>	-
<b>ENG 27</b>	ENG 25 (co-requisite)
<b>ENG 7</b>	MATH 1B (co-requisite)
<b>ME 100</b>	ENG 7 or CS 10 or equivalent background in computer programming (including CS 61A, DS 8) MATH 1a or equivalent background in Calculus, Physics 7A or equivalent
<b>MATH 1A</b>	3 1/2 yrs HS math, including trigonometry & analytic geometry + satisfactory grade in one of the following: CEEB MAT test, an AP test, the UC/CSU math diagnostic test, or 32.
<b>MATH 1B</b>	MATH 1A
<b>MATH 53</b>	MATH 1B
<b>MATH 54</b>	MATH 1B
<b>ME 100</b>	ENG 7 or CS10 or CS61A or DS8, MATH 1A, PHYSICS 7A
<b>ME 102B</b>	ENG 25, ENG 26 (junior transfers students are exempt from this requirement), E 27, as well as ME 100/EE 40/EE 49
<b>ME 103</b>	MEC85, ME40, ME 100/EE 100/EE 49/EE 16A/EE 49, & ME 109
<b>ME 104</b>	ENG 7, ME C85
<b>ME 106</b>	ME C85, 104 (co-requisite)
<b>ME 107</b>	ME 102A; senior standing
<b>ME 108</b>	ME C85
<b>ME 109</b>	ME 40, 106
<b>ME 132</b>	MATH 53, 54, PHYSICS 7A-7B
<b>ME 40</b>	CHEM 1A, ENG 7, MATH 1B, PHYSICS 7B
<b>ME C85</b>	MATH 53, 54 (concurrent); PHYSICS 7A
<b>PHYSICS 7A</b>	HS physics; MATH 1A; MATH 1B (concurrent)
<b>PHYSICS 7B</b>	7A, MATH 1A-1B, MATH 53 (may be taken concurrently)