

UNDERGRADUATE PROGRAM IN CIVIL ENGINEERING

*Transfer Student Sample Degree Program
(A minimum of 120 units is required for graduation)*

Community College transfer students who are admitted to Cal missing three or more lower division technical courses (such as E7, CE C30, CE 60, CE 93) are automatically granted a fifth semester. The Department highly encourages all eligible community college transfer students to take advantage of this option.

<i>Junior Year</i>	<i>Fall</i>	<i>Spring</i>
E 7: Intro to Computer Programming for Scientists ¹	4	-
CE C30/ME C85 — Introduction to Solid Mechanics	3	-
CE 60 — Structure and Properties of CE Materials	-	3
CE 93 — Engineering Data Analysis	-	3
Sustainability Elective ²	<3>	<3>
Engineering Science Elective ³	-	3
Elective Core ⁴		3
Fifth & Sixth Upper Division Humanities/Social Studies Courses ⁵	4	4
Total	11-14	16-19
<i>Senior Year</i>	<i>Fall</i>	<i>Spring</i>
CE 100 — Elementary Fluid Mechanics	4	-
CE 130N — Mechanics of Structures	-	3
CE 192- Art & Science of CEE Practice	1	-
Elective Core ⁴	3	6
Engineering Electives ⁶	9	6
Design Elective ⁷	-	3-4
Total	17	18-19

¹ Students who have taken a MatLab course at another college should speak with their college student affairs advisor to determine if they may opt out of this class

² Choose one in this category: CE 11, CE 70

³ Choose one in this category: E 115, ME 40, ME 104, ME C105B

⁴ Choose four in this category: CE 103, CE 111, CE 120, CE 155, CE 167, CE 175, CE 191

⁵ The Humanities/Social Studies (H/SS) requirement includes two approved reading and composition courses and four additional approved courses, with which a number of specific conditions must be satisfied. See coe.berkeley.edu/hssreq for details and a list of approved courses.

⁶ Engineering electives must include at least 15 additional units of upper-division technically oriented engineering coursework offered in the College of Engineering or in Chemical Engineering. The 15 units of engineering electives **cannot** include: any course taken on a P/NP basis; BioE 100; CS 195, CS H195, CS C195; E 100, E 110, E C111, E 125, E 130AC, E 140, E 191, E 193, E 195, E 196; EE 194; IEOR 172, IEOR 190 series; ME 106, 191AC, 191K

⁷ Choose from these courses: CE 105, CE 112, CE 122N & CE 122L OR CE 123N & CE 123L, CE 153, CE 177, CE 180, CE 186

Note A:

These requirements are expected to have been satisfied before entry into the program:

- Math 1A, 1B, 53 & 54
- Physics 7A & 7B
- Chemistry 1A or 4A
- Basic Science Elective (Physics 7C or Chemistry 1B or Chemistry 4B)