

Civil Engineering, B.S.

DEPARTMENT

BS in Civil Engineering, B.S.
MS in Civil Engineering, M.S.
MS in Civil Engineering-Water Resources & Environmental Engineering Option, M.S.
BS in Geomatics Engineering, B.S.

REQUIREMENTS

Department of Civil and Geomatics Engineering

Bachelor of Science Degree Requirements

Civil Engineering Major

1. Major requirements (67 units) and additional requirements (18 units)

Major requirements (67 units)

CE 20, 85, 110, 121L, 123, 123L, 124, 128, 129, 130, 132, 133, 142, 142L, 150, 161, 180A, 180B, 185 (43 units)

GME 15, 15L (3 units)

GME 66 or ME 26 or CM 4 (3 units)

ECE 91 or Tech Area Course (3 units)

ME 112 (3 units)

Technical Area Courses (12 units)

Select mandatory technical area courses in one or more of the following groups subject to the Design Courses statement below.

Environmental and Water Resources: CE 140, 141, 144, 145, 146

General Professional: CE 190, 191T

Geotechnical: CE 125, 134

Structures: CE 131, 136, 137

Geomatics: GME 151, 173

Transportation: CE 151, 152, 153, 155

Design Courses: at least 9 units of technical area courses must be selected from the following design courses: CE 125, 134, 136, 141, 144, 145, 146, 151, 153, 155

Additional requirements (18 units)

MATH 81, EES 1; MATH 76, 77; PHYS 4A, 4AL, 4B

2. General Education requirements (49 units)*

Select one course from each of the G.E. areas: Area A1, A2, B2, D1, D2, F. (See G.E. listings). The following courses are required to satisfy both G.E. and major requirements: MATH 75 [B4], CHEM 3A [B1], PHIL 1 or 10 [C2], CE 121 [IB]. Note: Engineering majors are exempt from G.E. Area A3, Areas C1 and C3, Area E, Area IC, and Area ID.

3. Other requirements (9 units)

American Government and Institutions (PLSI 2), Multicultural and International (MI), and Upper-division writing. Note: Civil Engineering majors are exempt from the MI requirement.

4. Sufficient elective units to meet required total units (varies) (See Degree Requirements.)

5. Total (124 units)

Advising Notes

1. Courses in mathematics, the physical sciences, or engineering taken CR/NC are not counted toward fulfillment of degree requirements in civil engineering.
2. The Upper-Division Writing Skills requirement can be met by passing the university examination or by completing a "W" course with a letter grade of C or better no sooner than the term in which 60 units of coursework are completed.
3. All civil engineering students must consult with their academic advisor at least once each year.

4. The 12 units of Technical Area Courses must be completed with a grade of C or better.

FACULTY

For faculty phone numbers and e-mail, see the campus directory.

For more on the faculty, see the Civil Engineering faculty pages and the Geomatics faculty pages. The faculty pages are updated by the department or program.