Geomatics 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

Geomatics Engineering Major

1. Major requirements (68 units) and additional requirements (22 units)

Major core (59 units)
CE 161, GME 1, GME 15, GME 15L, GME 16, GME 16L, GME 34, GME 40, GME 50, GME 61, GME 66L, GME 102, GME 108, GME 123, GME 125, GME 126, GME 135, GME 143, GME 159, GME 173, GME 180, GME 181

Major electives (9 units)

• Design Courses - at least 6 units must be selected from the following courses: GME 145, GME 153, GME 161, GME 174, GME 175
• Technical Courses - the remaining 3 units can be selected from the following courses: GME 114, GME 145, GME 152, GME 153, GME 161, GME 174, GME 175, GME 190, GME 191T, CSCI 115, CSCI 124, CSCI 150, CSCI 172, CM 180B, CM 122, CM 124, BA 154, FIN 180, FIN 181; MATH 101, MATH 121, PHYS 110

Additional requirements (22 units)
MATH 76, MATH 77, MATH 101, PHYS 4A, PHYS 4AL, PHYS 4B, PHYS 4C

2. General Education requirements (48 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], PHYS 4A [B1], PHIL 1 or PHIL 10 [C2], GME 151 [IB], PHIL 120 [IC]. Only one C2 course in lower-division Area C is required. Geomatics Engineering majors are exempt from the MI requirement.

3. Other requirements (9 units)
American Government and Institutions (PLSI 2), Multicultural and International (MI), and Upper-division writing. Note: Geomatics majors are exempt from the MI requirement.

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

5. Total (124 units)

Advising Notes

1. Courses in engineering, mathematics, the physical sciences, and mandatory technical courses taken CR/NC are not counted toward fulfillment of degree requirements in geomatics engineering.
2. All geomatics engineering students must consult with their academic advisors at least once each year.
3. All upper-division engineering courses should be completed with an average grade of at least a C.

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.