Environmental Engineering Major (EnvE) Roadmap

KEY
- Common Curriculum
- Engr. Dist.
- Major Program
- Elective
- prerequisite
- prerequisite or corequisite

CS 111X
BEE 1200 or Intro to Engr
ENGRD 2510
ENGRD 3200 or 2210 or BEE 2220
MATH 1910
MATH 1920
MATH 2930
MATH 2940
CHEM 2070 or CHEM 2090
PHYS 1112
PHYS 2213
CHEM 1570
ENGRD 2020
CE 3510
CE 3310
CEE 4510
CEE 3040
CEE 3230 or BEE 4890
Design Elect
Design Elect
Design Elect
BEE 4750
Major Appr. Elect
Lab Course
Earth Sciences
Appr Elect
Appr Elect
Liberal Studies
Liberal Studies
Liberal Studies
Liberal Studies
Liberal Studies
Liberal Studies
Liberal Studies

Intro BIO
Complete before semester 5
Freshman Writing Seminar
Freshman Writing Seminar

2016-2017
a Students matriculated in CALS usually take CS 1112 for the computing requirement. Engineering students may take CS 1110, 1112, or 1114. (Students who matriculated Fall 2011 or earlier must also take CS 1130 or CS 1132)

b Engineering matriculates must enroll in CHEM 2090 (fall, spring); CALS matriculates must enroll in CHEM 2070 (fall). Students in either college may also substitute CHEM 2150 for CHEM 2090 or CHEM 2070.

c In addition to the first-year writing seminars, a technical writing course must be taken as an engineering distribution, liberal studies, approved elective or major course. An approved COMM or ENGRC course, or BEE 4730, or BEE 4890 (required to be co-registered with ENGRC 4890), will satisfy this requirement. Students meeting the technical communications requirement with a course that fulfills another requirement (e.g. Liberal Studies, Lab, Design) can use that one course to satisfy both requirements.

d BEE 1200 combined with CS 1112: Introduction to Computing Using MATLAB (5 credits total) satisfies the ENGRI requirement for CALS matriculated students. Students using BEE 1200 and CS 1112 to satisfy the ENGRI requirement must make up the 2-credit difference with engineering course work.

e Choose one of the following biology courses: BIOEE/BIOSM 1610, BIOMG 1350, BIOEE/BIOSM 1780, BIOG 1440, BIOG 1445. Complete before semester 5. If you received a 4 on AP BIO, you will receive 4 credits of intro bio. If you received a 5 on AP BIO, you will receive 8 credits of intro bio and 4 credits will satisfy the intro bio requirement.

f ENGRD 2020 (fall and spring) and 2210 (fall and summer), 3200 (spring) or BEE 2220 (spring) are recommended. Students electing to use ENGRD 2020, 2210, or 3200 as a second engineering distribution must take an additional Major-approved elective to make up the credits.

g CHEM 1570 (spring), CHEM 3530 (Fall), CHEM 3570 (fall).

h ENGRD 2700: Basic Engineering Probability and Statistics is accepted (by petition) to substitute for CEE 3040 if taken prior to affiliation with Environmental Engineering, or if necessary because of scheduling conflicts caused by co-op or study abroad programs.

i Students may take BIOMI 2900 General Microbiology Lectures, in place of CEE 4510.

j The lists of suggested courses are published in the Undergraduate Handbook for Environmental Engineering. At least one design elective must be chosen from the list of Capstone design courses.

k CEE 3230 (spring), BEE 4890 (fall).

STUDENT PROGRAM PROGRESS FORM

The progress of each student toward completion of degree requirements is charted on a Program Progress Form. A blank report appears on the following page. Courses that have been completed are shown in their appropriate categories on this form. Students are encouraged to examine their Program Progress Form and to report errors and desired adjustments to the Undergraduate Coordinator in either 207 Riley-Robb Hall (BEE) or 221 Hollister Hall (CEE). It is important that the record be complete and accurate, because it is used to determine a student’s eligibility for graduation.