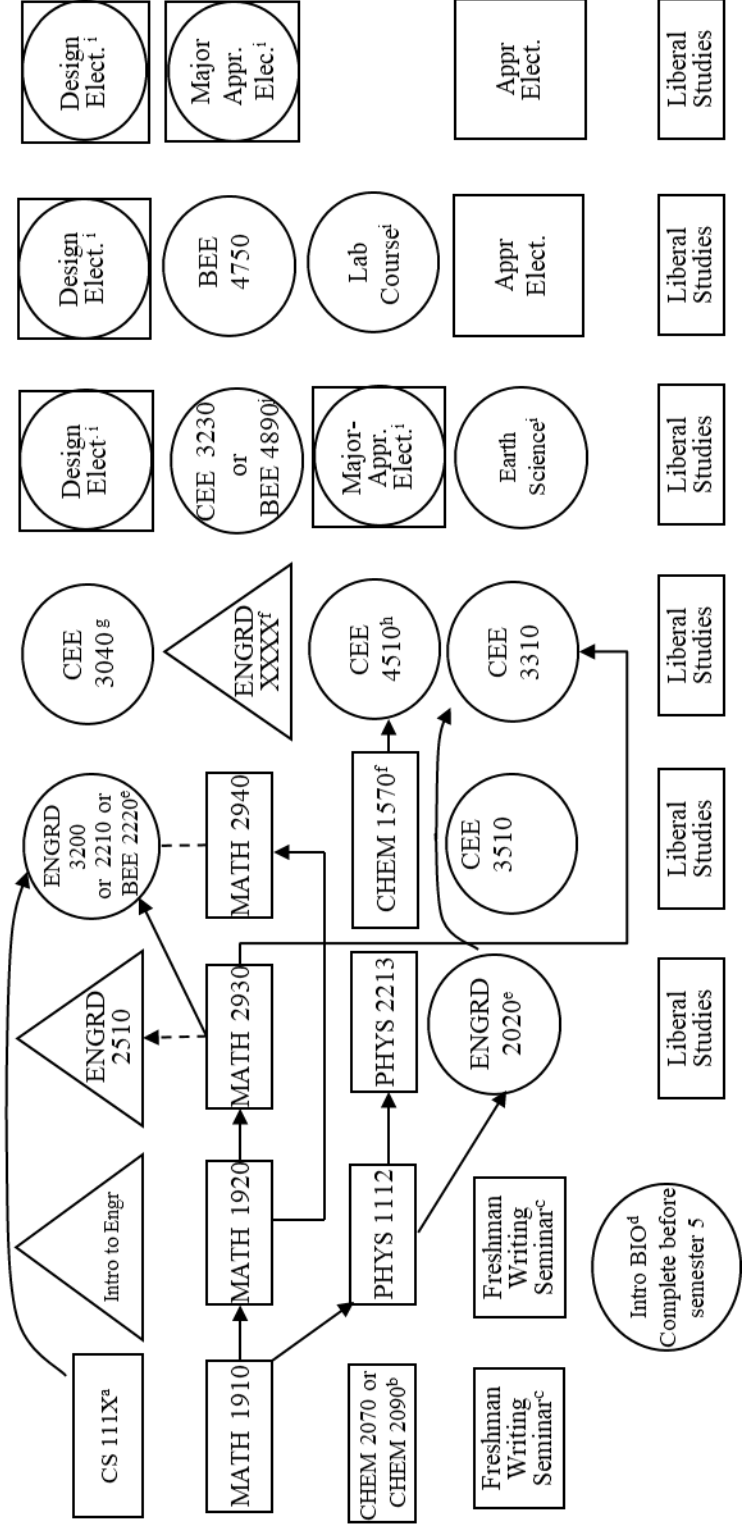
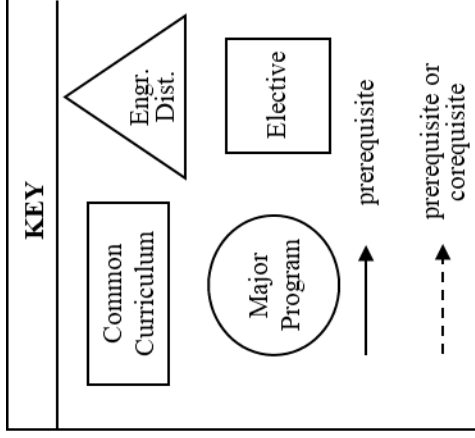


Environmental Engineering Major (EnvE) Roadmap



^a 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

^d 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.

^e 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.

^f CHEM 1570 (spring), CHEM 3530 (Fall), CHEM 3570 (fall).

^g 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. A supplemental learning style exercise is required before petition is approved.

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

ⁱ 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.

^j CEE 3230 (spring), BEE 4890 (fall).

^k Students in CALS need to take BEE 1200 in the Spring of their freshman year.