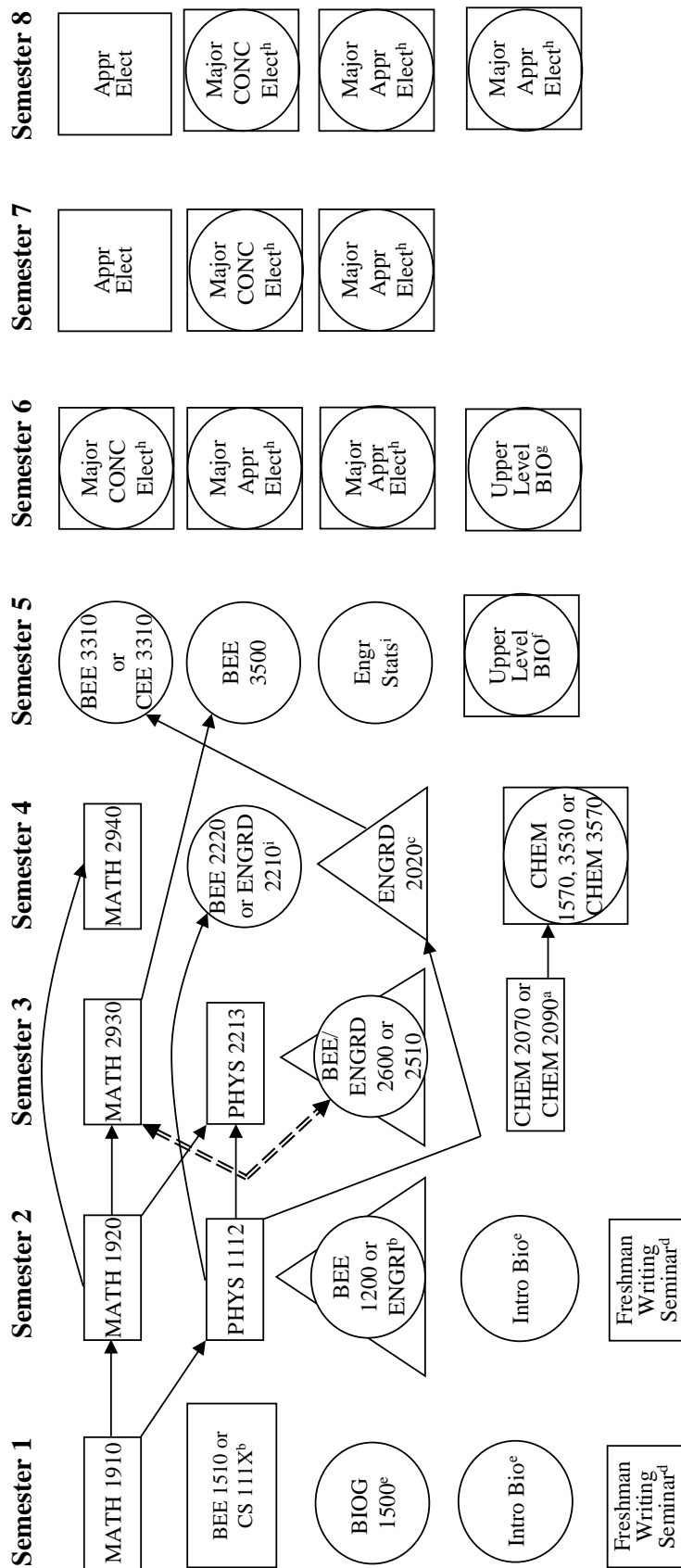
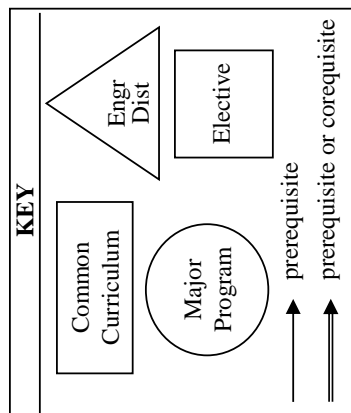


Biological Engineering Major (BE) Roadmap



^aCALS matriculants must enroll in CHEM 2070 (fall); CoE matriculates must enroll in CHEM 2090 (fall, spring). Students in either college may also substitute CHEM 2150 for either CHEM 2070 or 2090.

^bBEE 1510 and BEE 1200 required of CALS matriculates. CS 111X and ENGRI required of CoE matriculates.

^cThe major program includes nine (9) credits of courses outside the major. These are satisfied by ENGRD 2020, CEE 3040 or ENGRD 2700, and a non-BEE major approved elective.

^dIn addition to the Freshman Writing seminars, a technical writing course must be taken as an engineering distribution, liberal studies, approved elective or major course.

^eChoose two of the following four courses: BIOMG 1350, BIOG 1440 or BIOG 1445 or BIOEE 1610; plus BIOG 1500. All BIO courses must be taken for letter grade. If you received a 4 on AP BIO, you will receive 4 credits of intro bio. You will still need to take one of the four courses above plus the lab (BIOG 1500). If you received a 5 on AP BIO, you will receive 8 credits of intro bio and that will satisfy the intro bio requirement.

^fEither biochemistry or microbiology is required: BIOMG 3300 or BIOMG 3330 or BIOMG 3350 or BIOMG 3310 +3320, or BIOMI 2900, or CEE 4510.

^gUpper-level Biology: any biology course at the 2000-level or above which has a biology prerequisite and is taken for a letter grade. This requirement may also be satisfied by an upper-level course in a science department (excluding engineering, fine arts, liberal studies and mathematics) which has a biology (not social science) content of 95% or greater and a biology prerequisite. Students must receive approval for these alternative courses by consulting their BE faculty advisor or the main BE Advising Office, 207 Riley-Robb Hall. (One credit seminars may not be used to meet this requirement.).

^hEngineering electives must include a BE capstone design course and a BE lab experience course. See department web page for a current list of approved courses.

ⁱBEE 2220 or ENGRD 2210 and Engineering Statistics preferably before Semester 6.