CE Approved Science Electives

BIO 215. Fundamental Microbiology for Engineers.
Cr. 3. A fundamental study of the structure, function, and growth of microorganisms. Roles of microorganisms in industry and the environment will be considered. Open only to students enrolled in the College of Engineering with sophomore standing or above, or with consent of the department chair. Prerequisite: CHEM 115.

CE 281. Geology for Civil Engineers
3 Cr. A study of the structure of the Earth, including minerals, igneous, sedimentary, and metamorphic rocks. Also discussed are plate tectonics and its relationship to volcanoes, earthquakes, and mountain building. Upon completion of this course, students should be able to apply their knowledge of geology to civil engineering projects. Prerequisite: sophomore standing in the Civil Engineering Department or consent of the Chair of the Department.

CE Approved Technical Electives
The list below includes courses that have been approved by the CE Department. Courses may be added to the list by petitioning the CE Department.

Biology: Any biology course above that required for graduation, or their equivalent.

Chemistry: Any chemistry course above that required for graduation, or their equivalent.

Physics: Any physics course above that required for graduation, or their equivalent.

CE: Any CE course above that required for graduation.

ME: Any ME course.

ECE: Any ECE course.

Math: Any math course above that required for graduation and numbered 250 or higher.

CS: Any CS course numbered 156 or higher.

ENVS: Any ENVS course.

GEO: GEO 215, 415/515, 225, 230, 321

MET: MET 372, 373, 369

Co-Op (GE 481, GE 482, and GE 483) may be used to satisfy the technical elective.
CE Approved Professional Electives

The list below includes courses that have been approved by the CE Department. Courses may be added to the list by petitioning the CE Department.

**CE Technical Electives**: Any CE approved Technical Elective

**Minor courses**: Any class above that required for a CE degree that is used to fulfill a minor requirement

**Foreign Language**: Any foreign language class (language only not other courses offered in a foreign language department)

**ACC**: Any ACC course

**BLAW**: Any BLAW course

**BUS**: Any BUS course

**CE 290 – Professional Engineering Management**

**FIN**: Any FIN course

**GE 495**: Prof Communication & Interpersonal Relations

**IDS**: Any IDS course

**MGT**: Any MGT course

**MKT**: Any MKT course

**ROTC**: Any ROTC course