**Civil Engineering Catalog 2019**

### Fall
- **Chem 120 or 128 (4) FA, SP, SU**
- **Math 141 or 147 (4) FA, SP, SU**
- **EF 151 or 157 (4) FA, SP**
- **English 101/118 or 198 or 131 (3) FA, SP, SU**
  - Prereq: Math 119; recommended background Math 130.
  - Prereq: Math SAT 630.
  - Coreq: EF 151 or 157; 101 Regular; 118 Honors; 198 Chancellor Honors Only; 131 English as Second Language.

### Spring
- **Chem 130 or 138 (4) FA, SP, SU**
- **Math 142 or 148 (4) FA, SP, SU**
- **EF 152 or 158 (4) FA, SP, SU**
- **English 102 or 290 or 298 or 132 (3) FA, SP, SU**
  - Prereq: Chem 120 or 128.
  - Prereq: Math 142 or 148.
  - Prereq: EF 152 or 158 and Math 142 or 148.

### Fall
- **Math 231 or 237 (3) FA, SP, SU**
- **STATS 251 (3) FA, SP, SU**
- **ECON 201 or 207 (4) FA, SP, SU**
- **ME 202 (2) FA, SP, SU**
- **CE 210 (4) FA, SP**
  - Prereq: Math 142 or 148.
  - Social Science Coreq: EF 152 or 158 and Minimum student level — sophomore.

### Spring
- **Math 241 or 247 (4) FA, SP, SU**
- **CE 391 (3) FA, SP**
- **CE 262 (4) FA, SP, SU**
- **Science Elective *(3-4) FA, SP, SU**
- **CE 205 (OC & WC) (2) FA, SP, SU**
  - Prereq: Math 142 or 148.
  - Prereq: EF 152 or 158.
  - Prereq: ME 202.
  - Minimum student level — sophomore; Civil majors.

### Fall
- **Gen Ed (3) FA, SP, SU**
- **CE 381 (3) FA, SP, SU**
- **CE 331 (3) FA, SP**
- **CE 371 (3) FA, SP**
  - Prereq: EF 105 or CS 102.
  - Prereq: CE 300.
  - Prereq: CE 300, Civil and Nuclear major.

### Spring
- **Gen Ed (3) FA, SP, SU**
- **CE 399S (1) FA, SP**
- **CE 401 (2) FA**
- **CE Concentration Elective **(3) FA, SP**
- **CE Concentration Lab **(1) FA, SP**
  - Petition required in advance.
  - Must be taken term prior to CE 400.

### Civil Graduation Requirements
- Students are required to maintain a cumulative grade point of at least 2.0 in all civil engineering and environmental engineering courses taken at the University of Tennessee, Knoxville, used to satisfy the graduation requirements.
- No more than four credit hours of civil and environmental engineering courses in which a C- or lower is the highest grade earned may be counted toward graduation. Students must earn a grade of C or better in all courses within their two selected concentrations.
- Students are strongly recommended to meet with their faculty advisor every semester.
- Students also have opportunities for an Honors Concentration and/or a five year BS/MS program. See the Undergraduate Catalog for details and requirements.

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*Science Elective-* Students select from Biology 101, 102, 150 or 158, 160 or 168; Geography 131; Geology 101, 103, 107; Environ.Engineering 513; Environ. Soil Science 462.

**CE Concentration Electives/Labs-** Students must select 2 of the following concentration sequences: environmental (CE 481 or 487 and CE 482), geotechnical (CE 430 or 437 and CE 432), structural (CE 461 or 467 and CE 463), transportation (CE 455 or 458 and CE 456), water resources (CE 494 or 497 and CE 496), construction (CE 441 or 448 and CE 432 or CE 463).

***Technical Electives***
- **All areas**
  - Construction CE 581, CE 582, CE 583, CE 584
- **Geotechnical**
  - CE 531, CE 535, Geology 310, 330, 340, 370, and 471
  - Materials CE 521, CE 522, CE 525
  - Structures CE 462, CE 472, CE 474, CE 576
  - Transportation CE 551, CE 552, Geog 411
  - Water Resources CE 485, CE 495, ENV 515, ENVE 516, ENVE 526, ENVE 533, Geog 411