

## Civil Engineering Catalog 2019

<b>Fall</b> 16 hours	<b>Chem 120 or 128 (4) FA, SP, SU</b> Prereq-Math 119; recommended background Math 130	<b>Math 141 or 147 (4) FA, SP, SU</b> Prereq- Math 130 or Math ACT 28 or Math SAT 630	<b>EF 151 or 157 (4) FA, SP</b> Coreq- Math 141 or 147 and EF 105	<b>EF 105 (1) FA, SP</b> Coreq- EF 151 or 157	<b>English 101/118 or 198 or 131 (3) FA, SP, SU</b> 101 Regular; 118 Honors; 198 Chancellor Honors Only; 131 English as Second Language		
<b>Spring</b> 15 hours	<b>Chem 130 or 138 (4) FA, SP, SU</b> Prereq- Chem 120 or 128	<b>Math 142 or 148 (4) FA, SP, SU</b> Prereq- Math 141 or 147	<b>EF 152 or 158 (4) FA, SP, SU</b> Prereq- EF 151 or 157	<b>English 102 or 290 or 298 or 132 (3) FA, SP, SU</b> 102 Prereq 101 or 118; 290 Prereq AP 101 credit 298 Prereq Chancellor Honors only & 198; 132 Prereq 131 ESL			
<b>Fall</b> 16 hours	<b>Math 231 or 237 (3) FA, SP, SU</b> Prereq- Math 142 or 148	<b>STATS 251 (3) FA, SP, SU</b> Prereq- Math 142 or 148	<b>ECON 201 or 207 (4) FA, SP, SU</b> Social Science	<b>ME 202 (2) FA, SP, SU</b> Coreq- EF 152 or 158 and Math 142 or 148	<b>CE 210 (4) FA, SP</b> Minimum student level — sophomore		
<b>Spring</b> 16-17 hours	<b>Math 241 or 247 (4) FA, SP, SU</b> Prereq- Math 142 or 148	<b>CE 391 (3) FA, SP</b> Prereq- EF 152 or 158 Coreq- CE 262 or ME 202 and Math 231/237	<b>CE 262 (4) FA, SP, SU</b> Prereq- ME 202	<b>Science Elective *(3-4) FA, SP, SU</b> Choose one from approved list*	<b>CE 205 (OC &amp; WC) (2) FA, SP, SU</b> Prereq- EF 151 or 157; English 102, 132, 290, or 298 Minimum student level — sophomore; Civil majors		
<b>Fall</b> 16 hours	<b>Gen Ed (3) FA, SP, SU</b> Cultures and Civilizations	<b>CE 381 (3) FA, SP, SU</b> Prereq- CE 391 and Chemistry 130 or 138	<b>CE 331 (3) FA, SP</b> Prereq- CE 262 Coreq- CE 310	<b>CE 371 (3) FA, SP</b> Prereq- CE 262	<b>CE 355 (3) FA, SP</b> Prereq- EF 152 or 158 Recommended background CE 210	<b>CE 310 (1) FA, SP</b> Prereq- CE 205 and 262	
<b>Spring</b> 16 hours	<b>Gen Ed (3) FA, SP, SU</b> Arts and Humanities	<b>EF 230 (2) FA, SP</b> Prereq- EF 105 or CS 102 Co-req- EF 152/158	<b>CE 340 (3) FA, SP</b> Coreq- CE 300, Civil and Nuclear major Minimum student level- Junior	<b>CE 321 (3) FA, SP</b> Prereq- CE 262	<b>CE 300 (3) FA, SP</b> Restriction- Sophomore standing or above in Civil	<b>CE 305 (2) FA, SP</b> Prereq- CE 205	
<b>Fall</b> 16 hours	<b>Gen Ed (3) FA, SP, SU</b> Social Science	<b>Gen Ed (3) FA, SP, SU</b> Cultures and Civilizations	<b>CE 399S (1) FA, SP</b> Minimum student level- Senior Must be taken term prior to CE 400	<b>CE 401 (2) FA</b> Minimum student level- Senior Civil majors	<b>CE Concen. Elective *(3) FA, SP</b>	<b>CE Concen. Lab *(1) FA, SP</b>	<b>Technical Elective *(3) FA, SP, SU</b> Petition required in advance
<b>Spring</b> 16 hours	<b>Gen Ed (3) FA, SP, SU</b> Arts and Humanities	<b>CE Concen. Elective *(3) FA, SP</b>	<b>CE Concen. Lab *(1) FA, SP</b>	<b>CEE 400 (3) FA, SP</b> Prereq- CE 399S	<b>Technical Elective *(3) FA, SP, SU</b> Petition required in advance	<b>Technical Elective *(3) FA, SP, SU</b> Petition required in advance	

\***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      Acctg, 200/207, EF 333, Physics 231, Physics 232, Math 251, ME 231, ME 331, ECE 201, COSC 102, Chem 210, Chem 260/268  
 Construction      CE 581, CE 582, CE 583, CE 584  
 Environmental      CE 485, CE 495, Chem 210, Chem 260/268, Chem 330, Envr 511, Envr 513, Geog 411  
 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, ENVE 515, ENVE 516, ENVE 526, ENVE 533, Geog 411

### 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.