

## Civil Engineering Catalog 2017

Fall 16 hours	English 101 or 118 (3) FA, SP, SU	Chem 120 or 128 (4) FA, SP, SU Math 130	Math 141 or 147 (4) FA, SP, SU Prereq- Math 130 or Math ACT 28 or Math SAT 630	EF 151 or 157 (4) FA, SP Coreq- Math 141 or 147 and EF 105	EF 105 (1) FA, SP Coreq- EF 151 or 157	
Spring 15 hours	English 102 (3) FA, SP, SU Prereq- English 101 or 118	Chem 130 or 138 (4) FA, SP, SU Prereq- Chem 120 or 128	Math 142 or 148 (4) FA, SP, SU Prereq- Math 141 or 147	EF 152 or 158 (4) FA, SP Prereq- EF 151 or 157		
Fall 16 hours	Math 231 or 237 (3) FA, SP, SU Prereq- Math 142 or 148	STATS 251 (3) FA, SP, SU Prereq- Math 142 or 148	ECON 201 or 207 (4) FA, SP, SU Social Science	ME 202 (2) FA, SP, SU Coreq- EF 152 or 158 and Math 142 or 148	CE 210 (4) FA, SP Minimum student level — sophomore	
Spring 15-16 hours	Math 241 or 247 (4) FA, SP, SU Prereq- Math 142 or 148	CE 391 (3) FA, SP Prereq- EF 152 or 158 Coreq- CE 262 or ME 202 and Math 231/237	CE 262 (3) FA, SP Prereq- ME 202	Science Elective *(3-4) FA, SP, SU Choose one from approved list*	CE 205 (OC & WC) (2) FA, SP, SU Prereq- EF 151 or 157 Minimum student level — sophomore	
Fall 16 hours	Gen Ed (3) FA, SP, SU Cultures and Civilizations	CE 381 (3) FA, SP Prereq- CE 391 and Chemistry 130 or 138	CE 331 (3) FA, SP Prereq- CE 262 Coreq- CE 310	CE 371 (3) FA, SP Prereq- CE 262	CE 355 (3) FA, SP Prereq- EF 152 or 158 Recommended background CE 210	CE 310 (1) FA, SP Prereq- CE 205 and 262
Spring 17 hours	Gen Ed (3) FA, SP, SU Cultures and Civilizations	Gen Ed (3) FA, SP, SU Arts and Humanities	CE 340 (3) FA, SP Coreq- CE 300, Civil and Nuclear major Minimum student level- Junior	CE 321 (3) FA, SP Prereq- CE 262	CE 300 (3) FA, SP Restriction- Sophomore standing or above in Civil	CE 305 (2) FA, SP Prereq- CE 205
Fall 16 hours	Gen Ed (3) FA, SP, SU Social Science	CE Concen. Elective *(3) FA, SP, SU	CE Concen. Lab *(1) FA, SP, SU	Technical Elective *(3) FA, SP, SU Petition required in advance	Technical Elective *(3) FA, SP, SU Petition required in advance	Technical Elective *(3) FA, SP, SU Petition required in advance
Spring 15 hours	Gen Ed (3) FA, SP, SU Arts and Humanities	CE Concen. Elective *(3) FA, SP, SU	CE Concen. Lab *(1) FA, SP, SU	CEE 400 (3) FA, SP	Technical Elective *(3) FA, SP, SU Petition required in advance	CE 401 (2) FA, SP Minimum student level - senior

\***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 , CE 482 ), geotechnical (CE 430 or 437, CE 432 ), structural (CE 461 or 467 , CE 463 ), transportation (CE 455 or 458 , CE 456 ), water resources (CE 494 or 497, CE 496 ), construction (CE 441 or 448, CE 432 or CE 463).

**\*\*\*Interest Areas/Technical Electives**

All areas           BSET 414 (AutoCad)  
 Construction    CE 540, CE 541, CE 543  
 Environmental    Chem 230, Chem 310, Chem 350, Microbiology 210  
 Geotechnical    CE 431, CE 531, CE 532, CE 535; Earth and Planetary Science 470 (Geophysics); Geology 310, 330, 340, 370, and 470  
 Materials        CE 521, CE 522, CE 525  
 Structures       CE 462, CE 472, CE 474, CE 576  
 Transportation   CE 451, CE 453, CE 551, CE 552  
 Water Resources CE 485, CE 490, CE 495/498  
 Business         Accounting 200 or 207

**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.

**UTRACK Milestones:**

<b>Term 1</b> Math 130 or higher or one SS or one AH or one CC	<b>Term 2</b> Math 130 or higher	<b>Term 3</b> EF 151/157 or Physics 135/137	<b>Term 4</b> EF 152/158 or Physics 136/138	<b>Term 5</b> ME 202 or CS 102 or MSE 201 or CBE 201	<b>Term 6 through 8</b> No Milestones
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