

Environmental Engineering Catalog 2024

Fall 16 hours	Chem 122(3) and 123(1) or 128 (4) (NS) FA, SP, SU Prereq-Math 119; recommended background in Math 131	Math 132 or 141 or 147 (3-4) (QR) FA,SP,SU Math 132 Prereq: Math 131 Math 141 Prereq- ACT Math 28 or SAT Math 660	EF 142 or 151 or 157 (4) (E) FA, SP EF 142 Prereq: EF 141 with C- or better and Math 131 EF 142 Coreq- Math 132 EF 151 Coreq- 141/147 or higher and EF 105 or COSC 101 or CS 102	EF 105 (1) FA, SP Coreq: EF 151 or 157	English 101 or 131 (3) FA, SP, SU 101 Standard; 131 English as Second Language	
Spring 16 hours	Chem 132(3) and 133(1) or 138 (4) (NS) FA, SP, SU Prereq- Chem 122 and 123 or 128	Math 142 or 148 (4) (QR) FA, SP, SU Prereq- Math 132 or 141 or 147	EF 152 or 158 (4) (NS and E) FA, SP, SU Prereq: EF 142/151/157 with C or higher Coreq- Math 142 or 148	English 102 or 112 or 298 or 132 (3) FA, SP, SU 102 Prereq 101; 112 Prereq is AP 101 and Test Scores; 298 Prereq University Honors only; 132 Prereq 131 ESL	ENVE 101 (1) SP Coreq- Chem 122/128; EF 142 or 151/157	
Fall 16 hours	Math 231 or 237 (3) FA, SP, SU Prereq- Math 142 or 148	ENVE 200 (2) FA Prereq- Chem 132 or 138; EF 152 or 158 Coreq- Math 231 or 237	ENVE 205 (2) FA, SP Prereq- EF 142 or 151 or 157; English 102, 112, 132, or 298 Minimum student level — sophomore; Civil majors	ECON 201 or 207 (4) FA, SP, SU Vol Core - Social Science (SS)	ME 202 (2) FA, SP, SU Coreq- EF 152 or 158 and Math 142 or 148	Vol Core (3) FA, SP, SU Global Citizenship United States (GCUS)
Spring 17-18 hours	Math 241 or 247 (4) FA, SP, SU Prereq- Math 142 or 148	EVNE 391 (3) FA, SP Prereq: EF 152 or 158 Coreq- CE 262 or ME 202 and Math 231/237	ENVE 496 (1) SP Prereq- Civil 310 Coreq- Civil 494	Biology 102 (4) or Biology 150 or 156 (3) FA, SP, SU	Vol Core (3) FA, SP, SU Global Citizenship International (GCI)	EF 305 (3) FA, SP Prereq- Math 231 or 237 Tickle College of Engineering or Biosystems Majors
Fall 17 hours	BSE 231 (3) FA Prereq- Chem 122 and 123; and Math 132, or 141/147	ENVE 381 (3) FA, SP Prereq: CE 391 or ENVE 391 and Chemistry 132 & 133 or Chem 138	ENVE 305 (2) FA, SP Prereq: CE 205 or ENVE 205	COSC 111 (3) FA, SP	GEOL 485 (3) FA Recommended Background: Introductory calculus, physics and geology.	GEOG 495 (GIS) (3) FA Registration permission: Consent of instructor.
Spring 15 hours	Vol Core (3) FA, SP, SU Expanded Perspectives- choose from AH, AAH, GCUS, GCI, or SS	Stats 251 (3) FA, SP, SU Prereq- Math 142 or 148	BSE 321 (3) SP Prereq- BSE 221 or ENVE 200	ENVE 481 or 487 (3) SP Prereq- Civil 381 or ENVE 381	ENVE 495 or 498 (3) SP Prereq- Civil 391 or ENVE 391 or AE 341. Students cannot receive credit for both ENVE 495 and ENVE 531.	
Fall 15 hours	Vol Core (3) FA, SP, SU Arts and Humanities (AH)	ENVE 399S (1) (AOC and E) FA, SP Minimum student level- Senior Must be taken term prior to ENVE 400	ENVE 410 (2) FA Prereq-BSE 321	ENVE 474 or 477 (3) FA Prereq: ENVE 381. Students cannot receive credit for both ENVE 474 and ENVE 574.	ENVE 494 or 497 (3) Prereq- Civil 391 or ENVE 391	Technical Elective*** (3) FA, SP, SU
Spring 16 hours	Vol Core (3) FA, SP, SU Expanded Perspectives- choose from AH, AAH, GCUS, GCI, or SS	ENVE 400 (3) SP Prereq: ENVE 399S	ENVE 456 or 458 (3) SP Prereq- Civil 381 or ENVE 381. Students cannot receive credit for both ENVE 456 and ENVE 558.	ENVE 482 (1) SP Prereq- Civil 310 or ENVE 496, Civil 381 or ENVE 381	Civil 340 (3) FA, SP Coreq- Civil 300 or permission of instructor. Civil and Nuclear majors. Minimum student level- Junior	Technical Elective *** (3) FA, SP, SU

Note: English 118- students receiving a passing grade below B in English 118 will complete the English Composition requirement by taking English 102. Students receiving a grade of B or above will complete their freshman English requirements by choosing English 102 or a sophomore level course in the English Department, or English 355.

*Beginning students who have had high school computer science and/or who have had significant programming experience (e.g. summer institute study, special research projects, home laboratory) should apply during the summer to the head of the EECS department for permission to take a proficiency exam for COSC 101. If satisfactory grade is earned, credit will be allowed for COSC 101 allowing the student to begin in COSC 102 their first term. The EECS department also gives credit in COSC 101 to students who receive a score of 3 or better on the Computer Science A AP Exam. For student who lack these experiences, they should take COSC 101 first term, pushing back courses indicated.

***Technical Electives - Must be approved by the Department prior to registration. Please see Civil & Environmental website for a pre-approved list of courses.

Environmental 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.

¹ The construction concentration sequence does not have a dedicated lab unlike the other concentrations. For this reason, students may either take the geotechnical or structural lab to complete this course sequence. However, students may not double-count concentration labs (e.g. if your chosen concentrations are construction and structural, you may not use the structural lab to satisfy the construction sequence and must take the geotechnical lab to complete the construction lab requirement).

Volunteer Core courses highlighted in light orange.