

Civil Engineering – Environmental Option

2023-2024 Catalog

132 Total Credits

First Year

Semester 1	Semester 2
3 CE 160 (Engr Problem Solving)	3 Biol 251 (Biology) (Offered Spring Only)
4 Chem 177 (General Chemistry I)	2 CE 170 (Civil Engr Graphics)
1 Chem 177L (Gen Chemistry Lab)	3 SSH Elective
3 Engl 150 (Critical Think Comm)	4 Math 166 (Calculus II)
4 Math 165 (Calculus I)	5 Phys 231/231L (Classical Physics I)
1 CE 120 Learning Community	
R Engr 101 (Engr Orientation)	

15 Total Credits

17 Total Credits

Sophomore Year

Semester 3	Semester 4
3 Engl 250 (WOVE Comp)	3 CE 206 (Economic Analysis)
3 CE 274 (Statics)	3 CE 306 (Project Management)
3 Chem 178 (General Chemistry II)	3 EM 324 (Mechanics of Materials)
1 Chem 178L (Gen Chemistry II Lab)	3 CE 111 (Geomatics)
4 Math 265 (Calculus III)	3 Statistics Elective
3 Geol 201 (Geology for Engineers)	3 Math 266 (Differential Equations)
1 Lib 160 (Library Instruction)	

18 Total Credits

18 Total Credits

Junior Year

Semester 5	Semester 6
3 CE 332 (Structural Analysis I)	3 CE 326 (Environmental Engr)
3 CE 355 (Transportation Engineering)	3 CE 334 (Concrete Design I)
3 CE 382 (Design of Concretes)	3 Sp Cm 212 (Public Speaking)
4 ABE 378/L (Mech of Fluids & Lab)	3 CE 372 (Engr Hydro & Hydraulics)
1 EM 327 (Mechanics of Materials Lab)	2 Micro 201 (Intro to Microbiology)
3 Chem 231 (Organic Chem)	3 Technical Communication Elective
1 Chem 231L (Organic Chem Lab)	

18 Total Credits

17 Total Credits

Senior Year

Semester 7	Semester 8
3 ENV E 426 (Environmental Engr Sci)	R CE 403 (Outcomes Assessment)
4 CE 360 (Geotechnical Engineering)	3 ENV E 427 (Environ. Engr. Systems)
3 SSH Elective (Intl Perspective)	3 CE 428 (Treatment Plant Design)
3 CE Design Elective	3 CE 485 (CE Design I)
3 SSH Elective (US Diversity)	3 SSH Elective

16 Total Credits

12 Total Credits

Shading indicates Basic Program courses