

Environmental Engineering

2020-2021 Catalog

130 Total Credits

First Year

Semester 1

- 3 CE 160 (Engr Problem Solving)
- 4 Chem 177 (General Chemistry I)
- 1 Chem 177L (Gen Chemistry Lab)
- 3 Engr 150 (Critical Think Comm)
- 4 Math 165 (Calculus I)
- 1 Lib 160 (Library)
- R Engr 101 (Engr Orientation)
- 1 Env E 120 (Environmental Learning Community)

17 Total Credits

Semester 2

- 3 Chem 178 (General Chemistry II)
- 1 Chem 178L (General Chem II lab)
- 2 Env E 190 (Intro Undergrad Research)
- 4 Math 166 (Calculus II)
- 5 Phys 221 (Classical Physics I)
- 3 SSH Elective

18 Total Credits

Sophomore Year

Semester 3

- 3 Engr 250 (WOVE Comp)
- 3 CE 274 (Statics)
- 3 Chem 231 (Organic Chemistry)
- 1 Chem 231L (Organic Chemistry Lab)
- 4 Math 265 (Calculus III)
- 3 Env E 201 (Env E Measure/Analysis)

17 Total Credits

Semester 4

- 3 CE 326 (Principles Environmental Engr)
- 3 CE 306 (Project Management for CE)
- 3 EM 378 (Mechanics of Fluids)
- 3 Biol 251 (Biol. Processes in Environ)
- 3 Math 266 (Differential Equations)

15 Total Credits

Junior Year

Semester 5

- 3 CE 206 (Engr. Econ. Analysis/Issues)
- 3 CE 388 or CE 488 (Sustainability)
- 3 SSH Elective
- 3 EM 324 (Mechanics of Materials)
- 3 Stat 305 (Statistics for Engineers)
- 3 Geol 201 (Geology for Engineers)

18 Total Credits

Semester 6

- 3 CE 372 (Hydrology & Hydraulics)
- 3 Technical communication elective
- 4 CE 360 (Geotechnical Engr)
- 2 Micro 201 (Intro to Microbiology)
- 3 ME 231 (Engr Thermodynamics I)

15 Total Credits

Senior Year

Semester 7

- 3 Env E 426 (Phys&Chem Proc in EnvE)
- 3 Env E 429 (Air Quality)
- 3 Env E 430 (Solid & Hazardous Waste)
- 3 Sp CM 212 (Speech Communication I)
- 3 SSH Elective

15 Total Credits

Semester 8

- 3 CE 428 (Water & WW TP Design)
- 3 Env E 427 (Environmental Systems)
- 3 Engr Topics Elective
- 3 Engr Topics Elective
- 3 SSH Elective

15 Total Credits

Shading indicates Basic Program courses