Environmental Engineering – Program Map – Catalog year 2018-19

First Year
- MATH 021: Calc for Sci & Engr
- PHYS 008: Intro Physics I
- CHEM 002: Intro to Chem I
- SPARK Seminar

Semester 3
- MATH 023: Vector Calculus
- ENGR 057: Statics & Dynamics
- ME 021: College Wri & Comp
- ENGR 191: Professional Sem.

Semester 4
- MATH 024: Lin Algebra/Diff Equations
- ENVE 020: Intro to Environmental Science & Tech
- MATH 032: Probability & Stats
- Science Course

Semester 5
- ENVE 100: Environmental Chemistry
- Cross Roads Course
- ENGR 120: Fluid Mechanics
- Environmental Biology Course

Semester 6
- Engineering Fundamental
- ENVE 160: Sustainable Energy
- Engineering Fundamental
- ENGR 155: Engr Econ Analysis
- Social Science GE

Semester 7
- ENVE 130: Meteorology & Air Pollution
- Engr 193: Engineering Capstone Design I
- ENVE 110: Hydrology & Climate
- Earth Systems Science Course
- Technical Elective

Semester 8
- Technical Elective
- ENVE 194: Engineering Capstone Design II
- ENVE 18X (F): Field Methods
- Writing in the Discipline
- Social Science, Arts, and Humanities GE

Notes:
- ENGR Fundamentals: Minimum 18 units
  - ENGR 057, 120, & 155 required
  - The remaining 7 units may be chosen from:
    - ENGR 045, 065, 130, 151, 180
  - ENVE Technical Electives: Minimum 15 units
  - Choose 1 – Environmental Biology course (ESS 105, 120, 124, 148, 149)
  - Choose 1 – Earth Systems Science course (ESS 103, 105, 112, 170)
  - Choose 1 – Environmental Engineering Field Method (ENVE 181, 182, 183, 184)
  - The remaining units may be chosen from:
    - ENVE 105, 114, 116, 118, 121, 132, 140, 152, 155, 162, 164, 170, 171, 176, ENGR 097/197 or ENVE 195 (max 4 units), ENGR 180, or any course from the 3 previous sections, not utilize.

Choose 1 from:
- BIO 001
- BIO 005
- ESS 001
- ESS 005

Co-requisite
Prerequisite

This guide is an unofficial document intended to be used for advising/course planning only. This document cannot be used to supersede or waive requirements listed in the UCM Catalog or updates to co/prerequisites unless approved by your advisor.