# Civil Engr. (Environmental)

## First Year
**Fall**
- CE 110
- ENGR 102
- MATH 126
- GEN ED
- WRIT 150

**Spring**
- CE 108
- MATH 226
- PHYS 151L
- GEN ED
- OPTIONAL ELECTIVE

## Second Year
**Fall**
- CE 119
- CE 215
- MATH 245
- PHYS 152L
- OPTIONAL ELECTIVE

**Spring**
- CE 225
- ENE 215
- CHEM 105bL
- GEN ED
- OPTIONAL ELECTIVE

## Third Year
**Fall**
- CE 358L
- CE 309
- CHEM 105bL
- IS 460
- GEN ED

**Spring**
- CE 363L
- CE 408
- CE 402
- CHE 330
- GEN ED

## Fourth Year
**Fall**
- CE 410L
- CE 401L
- CE 456
- CE 485
- OPTIONAL ELECTIVE

**Spring**
- CE 467L
- CE 480
- CE 485
- ENE 428
- OPTIONAL ELECTIVE

## Engineering Courses
- **CE 108**: Intro to Computer Methods in Civil Engr.
- **CE 110**: Intro to Environmental Engineering
- **CE 119**: Probability Concepts & Civil Engineering
- **CE 215**: Statics & Dynamics
- **CE 225**: Mechanics of Deformable Bodies
- **CE 309**: Fluid Mechanics
- **CE 358L**: Elementary Theory of Structures
- **CE 363L**: Water Chemistry & Analysis
- **CE 408**: Risk & Decision Analysis in Civil Engr.
- **CE 410L**: Introduction to Environmental Engineering Microbiology
- **CE 451**: Water Resources & Coastal Engineering
- **CE 456**: Structural Design
- **CE 467L**: Geotechnical Engineering
- **CE 480**: Civil & Environmental Engineering Capstone Design
- **CE 485**: Wastewater Treatment Design
- **CHE 330**: Chemical Engineering Thermodynamics
- **ENE 200**: Environmental Engineering Principles
- **ENE 215**: Energy Systems & Environmental Tradeflows
- **ENE 428**: Air Pollution Fundamentals
- **ENGR 102**: Engineering Freshman Academy
- **ISE 460**: Engineering Economy

## Mathematics Courses
- **MATH 126**: Calculus II
- **MATH 226**: Calculus III
- **MATH 245**: Mathematics of Phys. & Engr.

## Science Courses
- **BISC 220L**: Cell Biology & Physiology
- **CHEM 105aL**: General Chemistry
- **PHYS 151L**: Mechanics & Thermodynamics
- **PHYS 152L**: Electricity & Magnetism

## General Education
As a USC Viterbi student your General Education (Gen Ed) curriculum will include courses in the Arts, Humanistic Inquiry and Social Analysis.

## Writing
- **WRIT 150**: Writing & Critical Reasoning
- **WRIT 340**: Advanced Writing

## Electives
Your optional electives are one way to build engineering+ into your curriculum by choosing classes of interest to you.

Courses with this symbol may be satisfied with certain AP, IB or A-Level exams. With each requirement you replace with prior credit, you increase your optional electives, creating more flexibility for you to pursue additional electives and increase your engineering+ education.

This simplified version of a complex curriculum with options and choices made between advisor and student. Course choices can vary by semester and adjust to include relevant topics and materials. Although every attempt has been made to ensure accuracy, the program requirements listed in the USC Catalogue supersede any information which may be contained in this or any other publication of any school or department. The information found in this document is not intended for advising purposes. The University reserves the right to change its policies, rules, regulations, requirements and course offerings at any time.