

# Environmental Engineering

FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
CE 110	CE 108	CE 119	ENE 200	CE 408	CE 363L	CE 410L	CE 480
ENGR 102	MATH 226	ENE 215	ENE 410	ISE 460	CE 402	ENE 400	CE 485
MATH 126	PHYS 151L	MATH 245	CHEM 105bL	CHEM 322aL	CE 451	CHE 330	ENE 426
CHEM 105aL	GEN ED	PHYS 152L	BISC 220L	WRIT 340	ENE 300	GEN ED	SSCI 382L
WRIT 150	GEN ED	GEN ED	OPTIONAL ELECTIVE	GEN ED	ENE 428	OPTIONAL ELECTIVE	OPTIONAL ELECTIVE
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## ENGINEERING

- CE 108:** Introduction to Computer Methods in Civil Engineering
- CE 110:** Introduction to Environmental Engineering
- CE 119:** Probability Concepts & Civil Engineering
- CE 363L:** Water Chemistry & Analysis
- CE 402:** Computer Methods in Engineering
- CE 408:** Risk & Decision Analysis in Civil Engineering
- CE 410L:** Introduction to Environmental Engineering Microbiology
- CE 451:** Water Resources & Coastal 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 Tradeoffs
- ENE 300:** Contaminant Transport in the Environment
- ENE 400:** Quantitative Sustainability
- ENE 410:** Environmental Fluid Mechanics
- ENE 426:** Particulate Air Pollutants: Properties/Behavior/Measurement
- ENE 428:** Air Pollution Fundamentals
- ENGR 102:** Engineering Freshman Academy

## MATHEMATICS

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

## SCIENCE

- BISC 220L:** Cell Biology & Physiology
- CHEM 105aL:** General Chemistry
- CHEM 322aL:** Organic Chemistry
- PHYS 151L:** Mechanics & Thermodynamics
- PHYS 152L:** Electricity & Magnetism
- SSCI 382L:** Geographic Information Science: Spatial Analytics

## 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 is a 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.*

USC Viterbi

School of Engineering