

Civil Engr. (Water Resources)

FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
CE 106	CE 108	CE 119	CE 107L	CE 334L	CE 451	CE 471	CE 480
ENGR 102	MATH 226	CE 215	CE 225	CE 358L	CE 465	CE 476	WRIT 340
MATH 126	PHYS 152L	MATH 245	CE 309	CE 408	CE 467L	CE ELECTIVE	GEN ED
PHYS 151L	GEN ED	CHEM 105aL	GEOL 305L	CE 453	ISE 460	ENGINEERING ELECTIVE	GEN ED
WRIT 150	GEN ED	GEN ED	GEN ED	CE 456	OPTIONAL ELECTIVE	OPTIONAL ELECTIVE	OPTIONAL ELECTIVE
OPTIONAL ELECTIVE							

ENGINEERING

CE 106: Introduction to Civil Engineering
CE 107L: Introduction to Civil Engr. Graphics
CE 108: Intro. to Computer Methods in Civil Engr.
CE 119: Probability Concepts & Civil Engineering
CE 215: Statics & Dynamics
CE 225: Mechanics of Deformable Bodies
CE 309: Fluid Mechanics
CE 334L: Mechanical Behavior of Materials
CE 358L: Elementary Theory of Structures
CE 408: Risk & Decision Analysis in Civil Engineering
CE 451: Water Resources & Coastal Engineering
CE 453: Water Quality Science & Engineering
CE 456: Structural Design I
CE 465: Water Supply & Sewerage System Design
CE 467L: Geotechnical Engineering
CE 471: Principles of Transportation Engineering
CE 476: Design of Hydraulic Systems
CE 480: Civil & Environmental Engineering Capstone Design
ENGR 102: Engineering Freshman Academy
ISE 460: Engineering Economy
CE & ENGINEERING ELECTIVES: Specialized upper division courses you choose for your major/specialization.

MATHEMATICS

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

SCIENCE

CHEM 105aL: General Chemistry
GEOL 305L: Intro. to Engineering Geology
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 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.