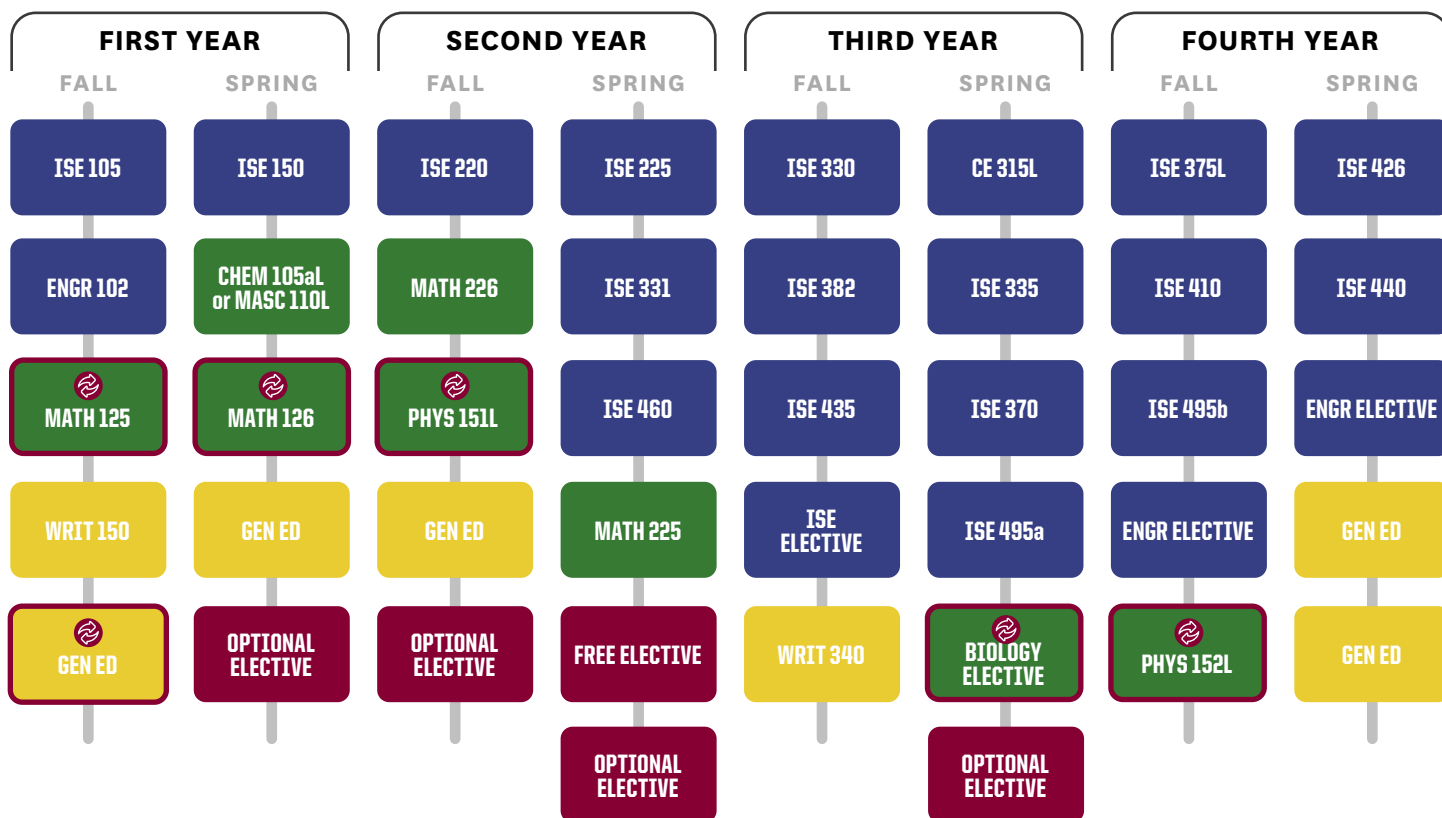


Industrial & Systems Engineering



ENGINEERING

ENGR 102: Engineering Freshman Academy
ISE 105: Intro to Industrial Engineering
ISE 150: Solving Engr. Problems via Computer Programming
ISE 220: Probability Concepts in Engr.
ISE 225: Engineering Statistics I
ISE 315L: Engr. Project Management
ISE 330: Intro. to Operations Research I
ISE 331: Intro. to Operations Research Stochastic Models
ISE 335L: Supply Chain Design
ISE 370: Human Factors in Work Design
ISE 375L: Facilities Design
ISE 382: Database Systems: Concept, Design, and Implementation
ISE 410: Prod. Planning and Scheduling
ISE 426: Statistical Quality Control
ISE 435: Discrete Systems Simulation
ISE 440: Work, Technology and Organization
ISE 460: Engineering Economy
ISE 495a: Senior Design Project
ISE 495b: Senior Design Project
ENGR. & ISE ELECTIVES: Specialized upper division courses you choose for your major/specialization.

MATHEMATICS

MATH 125: Calculus I
MATH 126: Calculus II
MATH 226: Calculus III
MATH 225: Linear Algebra & Differential Equations

SCIENCE

BISC 103L: Biology for the Environment and Life
 or **BISC 104L:** How The Body Works
 or **BISC 230L:** The Biology of the Brain
 or **HBIO 205L:** The Science of Sport
CHEM 105aL: General Chemistry
 or **MASC 110L:** Materials Science
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.