# Computer Science

## FIRST YEAR
### FALL
- CSCI 102L: Fundamentals of Computation
- ENGR 102
- MATH 125
- WRIT 150
- GEN ED

### SPRING
- CSCI 103L: Introduction to Programming
- CSCI 170: Principles of Software Development
- MATH 126
- GEN ED
- OPTIONAL ELECTIVE

## SECOND YEAR
### FALL
- CSCI 104L: Data Structures & Object-Oriented Design
- EE 109L
- MATH 226
- GEN ED
- OPTIONAL ELECTIVE

### SPRING
- CSCI 201L: Principles of Software Development
- CSCI 270
- MATH 225
- GEN ED
- OPTIONAL ELECTIVE

## THIRD YEAR
### FALL
- CSCI 310
- TECHNICAL ELECTIVE
- EE 364 or MATH 407
- WRIT 340
- TECHNICAL ELECTIVE

### SPRING
- CSCI 353
- TECHNICAL ELECTIVE
- CSCI 350
- CSCI 401 or 404
- TECHNICAL ELECTIVE

## FOURTH YEAR
### FALL
- CSCI 360
- CSCI 350
- REQUIRED ELECTIVE
- GEN ED
- OPTIONAL ELECTIVE

### SPRING
- CSCI 401
- CSCI 404
- TECHNICAL ELECTIVE
- GEN ED
- OPTIONAL ELECTIVE

## ENGINEERING
- CSCI 102L: Fundamentals of Computation
- CSCI 103L: Introduction to Programming
- CSCI 104L: Data Structures & Object-Oriented Design
- CSCI 170: Principles of Software Development
- CSCI 201L: Principles of Software Development
- CSCI 270: Principles of Software Development
- CSCI 310: Software Engineering
- CSCI 350: Introduction to Operating Systems
- CSCI 353: Introduction to Internetworking
- CSCI 356: Introduction to Computer Systems
- CSCI 360: Introduction to Artificial Intelligence
- CSCI 401: Capstone: Design & Construction of Large Software Systems
- CSCI 404: Capstone: Creating Your High-Tech Startup
- EE 109L: Introduction to Embedded Systems
- EE 364: Introduction to Probability & Statistics
- ENGR 102: Engineering Freshman Academy
- TECHNICAL 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

## BASIC SCIENCE
Choose from Biology, Chemistry, or Physics. Both courses must be taken in sequence in the same subject.

## 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.

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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.