



Computer Science

Our computer science major will help you become an effective problem solver, ready to tackle many of the technical challenges facing society in the 21st century. You will learn how to develop your own software, how computers operate, and the role of technology in society.

Major

A major in computer science requires 11 units: six foundation courses, four electives and one Senior-Year Experience (SYE).

- **Foundational Courses**

- CS 140. Introduction to Computer Programming
- CS 219. Techniques of Computer Science
- CS 220. Computer Organization
- CS 256. Data Structures
- CS 362. Algorithm Analysis
- MATH 280. Bridge to Higher Mathematics

- **Electives**

Any 300+ level CS course can count as an elective.

- **Senior Year Experience (SYE)**

This requirement is typically satisfied by taking a course designated as an SYE, such as CS 450, CS 489, or CS 498. However, a student with a second major may instead satisfy this requirement by taking an SYE course for that major. Finally, if necessary, and with the permission of the department chair, this requirement may be satisfied by taking an additional project-oriented CS elective or doing an appropriate internship.

Minor

Six courses are required for the minor in computer science:

- CS 140. Introduction to Computer Programming
- CS 219. Techniques of Computer Science
- CS 220. Computer Organization **OR** CS 362. Algorithm Analysis
- CS 256. Data Structures
- Two, 300-Level CS Electives.