

# UCLA

## Student Learning Outcomes for the B.S. in Computer Science

The Computer Science major is a designated capstone major. Students complete either a software engineering or major product design course. Graduates should be able to:

- apply the basic mathematical and scientific concepts that underlie modern computer science and engineering.
- design a software or digital hardware system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- function productively with others as part of a team, including those with different specialties within computer science and computer engineering.
- identify, formulate, and solve computer software and hardware related engineering problems.
- communicate effectively.