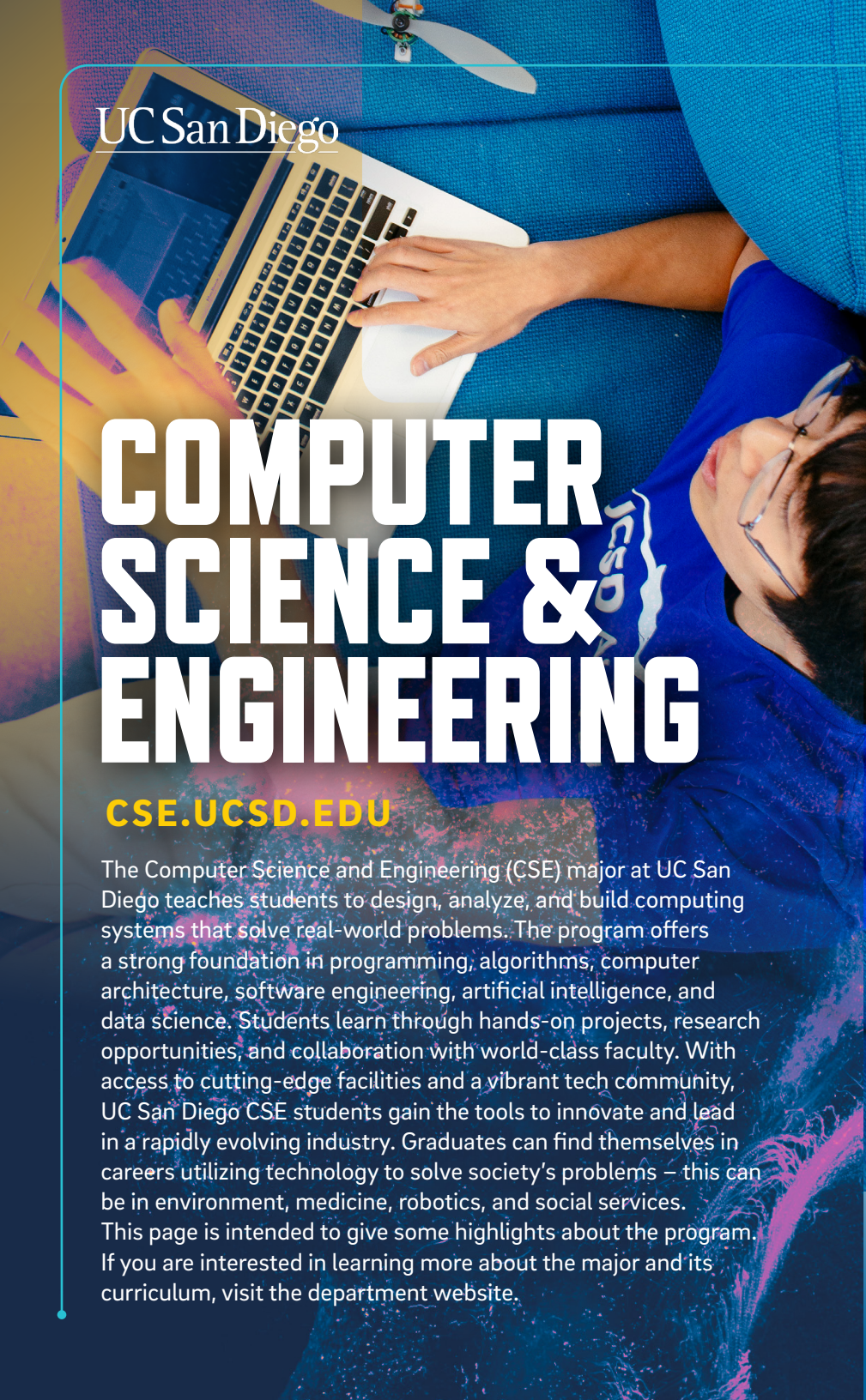




UC San Diego

COMPUTER SCIENCE & ENGINEERING

CSE.UCSD.EDU

The Computer Science and Engineering (CSE) major at UC San Diego teaches students to design, analyze, and build computing systems that solve real-world problems. The program offers a strong foundation in programming, algorithms, computer architecture, software engineering, artificial intelligence, and data science. Students learn through hands-on projects, research opportunities, and collaboration with world-class faculty. With access to cutting-edge facilities and a vibrant tech community, UC San Diego CSE students gain the tools to innovate and lead in a rapidly evolving industry. Graduates can find themselves in careers utilizing technology to solve society's problems – this can be in environment, medicine, robotics, and social services. This page is intended to give some highlights about the program. If you are interested in learning more about the major and its curriculum, visit the department website.

COMPUTER SCIENCE & ENGINEERING DEGREE PROGRAMS

Artificial Intelligence • Computer Engineering • Computer Science
• Computer Science w/ Specialization in Bioinformatics

For more details about each major within Computer Science & Engineering, visit the [major requirements webpage](#).

PROGRAM HIGHLIGHTS

- UC San Diego's Jacobs School of Engineering ranks #6 among public institutions in the nation.
- The Computer Science and Engineering program ranks #12 in the nation (#6 among public universities).
- Among UC San Diego's most popular majors.

WHAT CAN I DO WITH THIS MAJOR?

Learn about how you can apply your major to various opportunities after you graduate. The information below is based on recent surveys from alumni in this (or similar) majors and is not an exhaustive list.

RECENT EMPLOYERS

Amazon • Google • University of California • Meta • Microsoft • Qualcomm
• ServiceNow • General Atomics • Oracle • Intuit • Apple

JOB TYPES

Software Developers & QA Testers • Research Assistants • Teaching Assistants • Web Developers • Interface Designers

GRADUATE PROGRAMS

Computer Science • Computer & Information Sciences • Modeling • Electrical & Electronics Engineering • Operations Research

SKILLS

Common: Research • Leadership • Customer Service • Teaching
Specific: Software Engineering • Python • Java • C++ • JavaScript



TOP 10

IN SPECIALITIES INCLUDING
BIOINFORMATICS, SYSTEMS
& NETWORKING

EXPERIENTIAL LEARNING

CO-CURRICULAR PROGRAMS

RESEARCH

Learn how to make the most of your experience at UC San Diego within the context of your major.

Conduct research in your field of student with one of the many research programs available. Research opportunities in this major include, but are not limited to:

Computer Science & Engineering Early Research Scholars Program (CSE-ERSP)

- Available during winter or spring quarters (1 year commitment)
- Open to newly admitted first years and transfers.
- Counts as a 2-unit upper division elective.

California Louis Stoke Alliance for Maximizing Potential (CAMP)

- Available during Fall, Spring, or Summer (10 weeks).
- Open to juniors and seniors.
- Stipend and housing available.

Cancer Research and Education to Advance Health Excellence (CREATE) Scholars Program

- Available during summer
- Open to sophomores, juniors, and seniors.
- Stipend available.

For more details, eligibility, and to explore more programs, visit our [Undergraduate Research website](#).

INTERNSHIPS

UC San Diego offers strong internship pathways for undergraduates through the Academic Internship Program (AIP) and the Research Experience and Applied Learning (REAL) Portal. AIP enables students to earn academic credit while gaining professional experience in fields across all majors, supported by faculty mentorship and an academic component. The REAL Portal serves as a centralized hub for finding research, internships, service learning, and other hands-on opportunities on and off campus. Together, these resources help students explore career interests, build professional skills, and connect academic learning with real-world experience.

Find a Program

- Academic Internship Program: aip.ucsd.edu
- REAL Portal: real.ucsd.edu

STUDY ABROAD

Students are encouraged to explore study abroad opportunities which allow students to experience the culture and history of another country and gain a global perspective, all while earning academic credit toward their degree.

Learn more about [study abroad opportunities](#) for CSE.

STUDENT ORGANIZATIONS

• Computer Science and Engineering Society (CSES) • Triton Software Engineering (TSE) • Undergraduate Bioinformatics Club (UBIC)