Computer Science & Engineering

The School of CSE

The School of Computer Science & Engineering provides a supportive, innovative environment where students can learn, collaborate, and grow. With small class sizes and dedicated faculty, students receive personalized guidance while developing strong technical and problem-solving skills.

Students have access to modern computing labs, hardware and robotics spaces, and opportunities to participate in research throughout the year. Engagement outside the classroom is encouraged through student organizations, school events, and faculty-led projects that build community and real-world experience.

Our graduates go on to successful careers in technology and are regularly accepted into competitive graduate programs. The school maintains strong industry and research partnerships—including connections with ESRI, NASA, and regional universities—giving students valuable exposure to professional pathways and innovation.

Connect with us
csusb.edu/cse

Visit the School of Computer Science and Engineering website

www.csusb.edu/cse

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About CSUSB

California State University, San Bernardino is a vibrant and welcoming campus that serves the Inland Empire with high-quality, affordable education. With modern facilities, supportive faculty, and a beautiful setting near the San Bernardino Mountains, CSUSB provides students with an engaging environment to learn, grow, and get involved. The university is nationally recognized for academic excellence, diversity, and community impact, offering students opportunities that prepare them to succeed in their future careers.

The School of Computer Science & Engineering (CSE) offers hands-on, industry-aligned programs that prepare students for careers in technology, engineering, and computing. Students learn in modern labs, work with dedicated faculty, and gain real-world experience through projects, internships, and research opportunities.

Degree Programs
- B.S. in Computer Science
  - Focus on programming, algorithms, software engineering, AI, and problem-solving.
- B.S. in Computer Engineering
  - Emphasizes hardware, embedded systems, robotics, and electronics.
- B.A. in Computer Systems
  - Blends computing fundamentals with business, analysis, and systems support skills
- B.S in Bioinformatics
  - Administered by the School of Computer Science and Engineering, the Department of Biology and the Department of Chemistry and Biochemistry.

Student Experience
CSE students can join active clubs and organizations that support technical growth, teamwork, and professional development. Faculty are committed to student success, mentorship, and creating an environment where students can innovate and excel.

Computer Science and Engineering

UNDERGRADUATE PROGRAMS

B.S. in Computer Science

A strong foundation in algorithms, software development, and computer systems. *ABET accredited.*

B.S. in Computer Engineering

Blends electrical engineering and computer science to prepare students for designing microprocessors and digital systems.

B.S. in Bio-informatics

An interdisciplinary degree combining biology, chemistry, and computing to analyze biological data.

B.A. in Computer Systems

Application-focused degree with concentrations in General Interdisciplinary, System Administration and Game Development.

GRADUATE PROGRAMS

M.S. in Computer Science

Enhances advanced skills in software development, research, and computational problem-solving.

M.S. in Applied Data Science

Ideal for quantitative majors. Covers data processing, visualization, machine learning, and AI across the full data lifecycle.

CERTIFICATES PROGRAMS

- **Computer Systems and Programming**
- **Mobile Application Development**
- **Certificate in Data Science**
- **Certificate in Computer Science for K-12 Educator**

MINOR PROGRAMS

- **Minor in Computer Science**
- **Minor in Data Science**