

# COMPUTER SCIENCE & ENGINEERING, B.S.

UNIVERSITY OF CALIFORNIA  
**MERCED**  
SCHOOL OF  
ENGINEERING



## WHY APPLY TO COMPUTER SCIENCE & ENGINEERING PROGRAM, B.S.?

The undergraduate major in Computer Science and Engineering is designed to provide students with both breadth and depth in the exciting and rapidly expanding fields of:

- ▶ Computer science—the study of computation, including algorithms, data structures, database systems, operating systems, and software engineering.
- ▶ Computer engineering—including computer architecture and networks.

A degree in Computer Science and Engineering from UC Merced prepares students to assume leadership roles in designing, building and implementing a vast array of powerful new technologies that will continue to advance human kind. Our curriculum in Computer Science and Engineering at UC Merced builds a solid foundation for innovation in areas ranging from robotics and automation, computer networks, security, graphics and visualization, and computer vision to human computer interaction, machine learning and artificial intelligence. Careers in computer science and engineering are among the most satisfying and rewarding of any engineering discipline.

**Apply today at** [admissions.ucmerced.edu/apply](https://admissions.ucmerced.edu/apply)



**NO. 1 AMONG  
PUBLIC UNIVERSITIES**  
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graduation rates

*(US News & World Report Best  
Colleges Rankings, 2021)*



**#13 IN THE NATION**  
for best undergraduate  
teaching among public  
universities

*(U.S. News & World Report Best  
Colleges Rankings, 2020)*

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## WHERE CAN I WORK?

- ▶ Technology Industry, Communications, e-Commerce, Entertainment, Financial Industry, Government Labs, Transportation, and Others.

## A TYPICAL FIRST-YEAR STUDENT'S SCHEDULE:

### FALL\*:

- ▶ Math 021: Calc I for Sci & Eng
- ▶ Spark 001: Spark Seminar
- ▶ CSE 022: Introduction to Programming
- ▶ WRI 010: College Reading & Composition

### SPRING:

- ▶ Math 022: Calc II for Sci & ENGR
- ▶ CSE 024: Advanced Programming
- ▶ CSE 015: Discrete Mathematics
- ▶ General Education Course

**\*NOTE:** Depending on your placement exam results, you may need to start in Math 005 (Precalculus), Chem 001 (Preparatory Chemistry), and/or Writing 001 (Academic Writing).

**62%**  of undergraduate classes have fewer than 30 students

## RESEARCH AREAS

- ▶ Artificial Intelligence
- ▶ Cyber Security
- ▶ Database Systems
- ▶ Networks and Distributed Systems
- ▶ Robotics
- ▶ Computer Vision
- ▶ Machine Learning
- ▶ Image Processing
- ▶ High Performance Computing
- ▶ Human Computer Interaction
- ▶ Internet of Things
- ▶ Computer Science Education
- ▶ Theory of Computing
- ▶ and more.



**Youngest university ever to earn Carnegie R2 Research Classification (The Carnegie Foundation) and already ranked 18th**  
(2022 U.S. News & World Report Best Colleges Rankings)

## FOUR (4) ONLINE PLACEMENT EXAMS:

- ▶ Take the 4 placement exams: Math, Chemistry, Computer Science & Engineering (CSE), Writing Readiness Review
  - Math, Chem, and CSE placement exams are available starting March 29, 2022
    - Deadline for Math, Chem, CSE: Wed. May 18, 2022
  - Writing Readiness Review is available starting May 1, 2022
    - Deadline for Writing Readiness Review: Tues. May 31, 2022
- ▶ All placement exams are free, one-time only, and available in spring only. There is no disadvantage to taking the placement exams.
- ▶ If you take a placement exam and later receive AP or IB scores that place you into a more advanced class, you will be able to take the more advanced class.
- ▶ This is also true if you complete a transferable college course during the summer and submit the official transcript to UC Merced before August 15.

**Main phone:** (209) 291-9739

**General email:** [bac@ucmerced.edu](mailto:bac@ucmerced.edu)

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**APPLY TODAY!**  
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**The Bobcat Advising Center (BAC)**  
is the academic advising home for  
all first year students.

**For more information, visit:**  
[bobcat-advising-center.ucmerced.edu](https://bobcat-advising-center.ucmerced.edu)