Computer Engineering

A degree from UC Riverside's computer engineering program (CEN) prepares students with an interdisciplinary experience for success in their next career step.

At the intersection of computer science and electrical engineering, CEN encompasses both the hardware components from which systems are built and the software components that control and support them. As a result, CEN majors enter the workforce with a broader understanding of the overall computer system to solve the complex challenges of tomorrow.

Computer Engineering Degrees and Fields

**Degrees**
- B.S. in Computer Engineering
- B.S. + M.S. in Computer Engineering
- M.S. in Computer Engineering

**Fields**
- VLSI and Electronic Design Automation
- Real Time Embedded Systems
- Computer Architecture
- High Performance Computing
- Compilers and Operating Systems

No. 4
Best Schools for High Performance Computing
CSRankings, 2019

No. 5
Best Schools for Design Automation
CSRankings, 2019

No. 12
Best Schools for Computer Architecture
CSRankings, 2019
CEN at UCR

Top Reasons to Join

- World-changing faculty research projects
- Well supported infrastructure
- Outstanding laboratory research facilities
- Central California location

A Growing Industry

$115,000

average salary for CEN professionals

Bureau of Labor Statistics, 2019

1.5M

Employment size of CEN occupations - and growing!

Bureau of Labor Statistics, 2019

Example Career Options

- Embedded systems and IoT
- Computer architecture
- VLSI system design
- Software design

An Engineering Community Unlike Any Other

Professional Student Organizations

From CitrusHack to RoseHack and video game development to solar cars, BCOE’s professional organizations enhance the college experience by applying what students learn in the classroom to the real world. These student leaders also enjoy social activities, competitions, industry field trips, regional/national conferences, and more!

CEN Professional Organizations

- Association for Computing (ACM)
- Women in Computing (WINC)
- Institute of Electrical and Electronic Engineers (IEEE)
- Gamespawn

233

undergraduate student enrollment FY18/19

50

graduate student enrollment FY 19/20

28%

underrepresented minority (URM) student population