



## ENGINEERING THE FUTURE

Our world is rapidly changing with engineering at the root of nearly every modern advancement. The Marlan and Rosemary Bourns College of Engineering (BCOE) pioneers a collaborative approach to education and research, preparing students for careers in an ever-evolving world and inspiring advancements through groundbreaking discoveries.

Innovation is at the heart of everything we do. We are the change makers at the forefront of today's technologies, redefining engineering to meet the complex challenges of tomorrow.



among public engineering colleges in the United States  
U.S. News & World Report, 2021

## DEPARTMENTS AND PROGRAMS

- Bioengineering
- Chemical & Environmental Engineering
- Computer Engineering
- Computer Science & Engineering
- Electrical and Computer Engineering
- Master's of Science in Engineering Online
- Materials Science & Engineering
- Mechanical Engineering
- Robotics

**No. 1**

University for social mobility  
for three consecutive years

Best Colleges Ranking,  
U.S. News & World Report, 2019-21

**No. 20**

Best U.S.-based school  
for engineering

Best Global Universities,  
U.S. News & World Report, 2021

**No. 30**

Best Schools for Engineering  
by Salary Potential

Payscale.com, 2019

# A WORLD-CLASS RESEARCH ENTERPRISE

## 9 Core Research Centers

- Center for Environmental Research and Technology
- Center for Advanced Neuroimaging
- Center for Robotics and Intelligent Systems
- Winston Chung Global Energy Center
- Center for Research and Education in Cyber Security and Privacy
- Center for Networked Configurable Command, Control and Communications for Rapid Situational Awareness
- Energy, Economics and Environment Research Center
- Center for Ubiquitous Communication by Light
- Center for Industrial Biotechnology

## The CARB Connection



In 2016, the California Air Resources Board selected UC Riverside as the new home for its headquarters, set to open in 2021. The move expands the partnership between the agency and the College of Engineering - Center for Environmental Research and Technology to enhance air quality and pollution mitigation research.



World's largest indoor atmospheric chamber



\$10M Class 100/1,000 cleanroom

# AN ENGINEERING COMMUNITY UNLIKE ANY OTHER

## 20+ Professional Student Organizations

From battery-powered race cars and liquid-fueled rockets to hackathons and robotics competitions, BCOE's professional organizations enhance the college experience by providing students ample opportunity to apply their classroom learning to the real world. These student leaders benefit from interactions with alumni, industry field trips, presenting at national conferences, and more!



## Examples of Engineering Professional Organizations

- Association for Computing (ACM)
- American Institute of Chemical Engineers (AIChE)
- American Society of Mechanical Engineers (ASME)
- Institute of Electrical and Electronic Engineers (IEEE)
- National Society of Black Engineers (NSBE)
- Society of Automotive Engineers (SAE)
- Society of Women Engineers (SWE)

**3,112**

undergraduate student enrollment FY20/21

**34%**

underrepresented minority (URM) undergrad students

**972**

engineering students who are women

**911**

graduate student enrollment FY20/21