

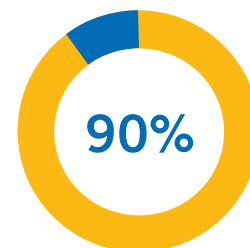
Marlan and Rosemary Bourns College of Engineering (BCOE)



Engineer the Future.

Influence the way we communicate (Computer Science). Build customized health care devices (Biomedical Engineering). Or reduce pollutants in the air, water and soil (Chemical Engineer). And so much more. **BCOE's 9 majors** – taught by world-renowned faculty – will help you to engineer the future!

View all majors: admissions.ucr.edu/academics



of BCOE graduates find a job within 6 months of graduation.

Earning Potential with a BCOE Bachelor's Degree

	Early Career Pay	Mid-Career Pay
Chemical Engineering	\$70,300	\$124,500
Computer Engineering	\$70,300	\$116,000
Electrical Engineering	\$67,800	\$114,800
Computer Science	\$65,900	\$110,100
Mechanical Engineering	\$64,000	\$106,800
Biomedical Engineering	\$62,900	\$103,500

Based on national averages.
Higher earning potential with advanced degrees.
(PayScale National College Salary Report, 2017)

Innovative Research

Get the Competitive Edge with Undergraduate Research

UCR is one of a few universities to offer research opportunities to all undergrads! This advantage catapults you to the “top of the list” for jobs and/or graduate school. Current BCOE research includes:

- Squeezing nearly 100% of the water from salt solutions to prevent water shortages
- Creating a ceramic cranial implant for on-demand ultrasound treatments
- Examining fires and their impact on human health – thanks to two grants nearing \$1 million from the National Oceanic and Atmospheric Administration!

High-Profile Companies Hire BCOE Graduates

BCOE graduates go on to become software engineers, spacecraft propulsion engineers, entrepreneurs and more.



for Materials Science & Engineering.
(ShanghaiRanking's Global Ranking of Academic Subjects, 2017)



TOP 31%
of engineering schools in the United States.
(U.S. News and World Report, 2018)



engineering programs in the world.
(ShanghaiRanking's Global Ranking of Academic Subjects, 2017)

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in student community service participation and hours served. (Washington Monthly, 2016)

4th

most diverse university in the nation. (Forbes, 2016)

Top 4%

of best colleges for educational quality, affordability and alumni success. (Money Magazine, 2017)

BCOE Faculty You Have Big Dreams. We'll Help Them Come True!



SUVEEN NIGEL MATHAUDHU

Assistant Professor of Materials Science and Engineering

- Expert on the science of superheroes in comic books and movies
- Moderator for Awesome-Con 2017, Washington D.C.'s comic con
- NSF CAREER Award Winner 2016



ELISA FRANCO

Assistant Professor of Mechanical Engineering

- Constructs sustainable machines using DNA and RNA molecules
- National Science Foundation (NSF) CAREER Award Winner 2015
- Hellman Family Foundation Fellow

FY First-Year Students **TR** Transfer Students

Success Programs

Every program is designed to help you succeed – from the moment you first step on campus to the day you graduate.

Engineering First Year Learning Community (EFLC) **FY**

Be a part of a ready-made support network! Take classes with other BCOE students and engage in focused study groups. Includes guaranteed seating in courses, peer mentoring and invitations to BCOE-only social events.



EFLC = EXCELLENCE

EFLC students earn higher grades, finish their programs faster and get the best jobs!

BCOE Scholarships **FY** **TR**

One application submission covers all eligible scholarships. Application filing period is March 1-31. Notifications sent by April 30.

student.engr.ucr.edu/scholarships

BCOE Student Organizations **FY** **TR**

Enhance your college experience with BCOE's 24 professional student organizations. Enjoy social activities, competitions, industry field trips and regional/national conferences. Includes a leadership council, honor society, professional fraternity and more:

- Air & Waste Management Association
- Biomedical Engineering Society
- Engineers Without Borders
- National Society of Black Engineers
- Institute of Navigation
- Society for Advancement of Chicanos and Native Americans in Science
- Society of Hispanic Professional Engineers
- Society of Women Engineers

For a full list, visit student.engr.ucr.edu/lead/storgs.html.

Course Requirements for Transfer Students **TR**

Applicants must complete general and major-specific requirements to be considered for enrollment in BCOE.

General Requirements

Complete the following with a minimum 2.8 cumulative grade point average (GPA):

- 2 major-specific sequences (minimum 2.5 GPA):
 - Single-variable calculus: MATH 9A, 9B and 9C
 - May be a sequence, such as PHYS 40A, 40B and 40C
- 1 year of college-level English Composition: ENGL 1A, 1B and 1C

Major-Specific Requirements

Coursework requirements are specific to each major. Visit:

- go.ucr.edu/catalog for full course descriptions.
- assist.org to learn how your course credits transfer to UCR.

Transfer Transition Program (TTP) **TR**

Take part in this exclusive yearlong program. Includes academic success workshops, networking, faculty/peer mentoring, academic advising and connections to BCOE study groups, clubs and professional organizations.

transfer.engr.ucr.edu

Undergraduate Research

Putting Research in Your Hands

Take part in hands-on research with faculty. Develop real-world technical skills. Gain the experience needed to jump-start your career in engineering.

student.engr.ucr.edu/lead/ugresearch.html

50%

of BCOE's students participate in undergraduate research.

“

UCR has everything I look for in a research institute, and I love the campus, the energy, the diversity, the vibe. The feeling here at UCR is, 'You can make it. You can do it. You just have to believe in yourself!

Melissa Fernandez

Transferred from East Los Angeles Community College & Norco Community College, Fourth-Year, UCR Student

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#7

public research university in the nation to produce important research while extending social opportunity to students from underprivileged backgrounds. (Brookings Institute, 2017)

Top 10

in the nation for first-generation performance. (Washington Monthly, 2016)

Top 12%

best public universities by salary potential. (PayScale, 2017)

Student Spotlight



TEAM NOX-OUT WINS 1ST PLACE

Team NOx-Out's pollution-reducing lawn mower attachment won 1st Place (and \$43,000) at the Odebrecht Award for Sustainable Development competition – ahead of Duke University and UC Berkeley.



SCHOLARLY APP WINS 1ST PLACE

Sultan Khan and Haasith Sanka, took 1st place at HackingEDU, the world's largest education hackathon. Their app, Scholarly, connects students to tutors.



TEAM HUSK-TO-HOME WINS EPA AWARD

Team Husk-to-Home builds housing in the Philippines – thanks to a \$75,000 grant from the Environmental Protection Agency (EPA). They use termite-resistant materials (made from waste rice husks) that are environmentally friendly and long-lasting.

BCOE Alumni Join Us in Making Global Impacts



JAYME DRYDEN '03 (Environmental Engineering)

Senior Environmental Engineer, IGP Trainer of Record/ QISP, Ashworth Leininger Group

"The engineering professors are amazing, the lab resources are excellent and the student body is a diverse mix of minds and experiences. UCR takes education seriously, but provides plenty of opportunities to have some fun along the way."



RAVI KURANI '09 (Mechanical Engineering)

- Co-Founder of Sutro
- Listed among the Forbes' 30 Under 30 as one of 2017's brightest young entrepreneurs and innovators.



GAIN EXPERIENCE. EARN CREDIT. GET PAID.

BCOE offers department-specific internships to put your learning into practice. Earn course/service credit and maybe even a paycheck!

“

I am starting an internship as an undergraduate student research assistant for emissions and fuels research. I absolutely enjoy every day that I walk into that lab, getting to work with cars and gaining hands-on engineering experience.

Michelle Le
Second-Year, Mechanical Engineering

”

Career Center Get Help with Career Success

UCR's Career Center – and Virtual Career Center – offers full-service counseling and resources, regardless of major or class level. Includes:

- Career and graduate/professional school planning
- Job/internship search strategies and database
- Skill-building workshops, employer information sessions and panel discussions
- 11 fairs, including the STEM Job Fair and the Engineering and Technology Job Fair



Learn more: careers.ucr.edu



We have On-Campus Housing especially for BCOE students!

Make new friends in BCOE's Learning-Community Housing. First-year students benefit from peer mentoring, academic/social resources and proximity to BCOE (about 500 feet away).

Learn more: go.ucr.edu/housing

You can afford a UC degree,
regardless of income and without going into debt.

86%

of UCR undergrads
receive financial aid.

70%

have tuition and fees covered –
thanks to grants and scholarships!

#1

in the nation for Pell Grant performance.
(Recipients typically earn more than their
families within 5 years of graduation.)

Let us show you how: financialaid.ucr.edu

Next Steps

Get ready to take your place in the UCR family. And when you need help, we'll be here – every step of the way!

Help to Apply

Undergraduate Admissions

admissions.ucr.edu | admissions@ucr.edu
(951) 827-3411

Our admissions counselors will answer questions and help you to apply!

Help Once Admitted

Professional Advising for BCOE Students

student.engr.ucr.edu/people
bcoeadvising@engr.ucr.edu

Academic and faculty advisors will help you to declare a major, prepare for graduate/professional school and find independent study/research/internship opportunities.

Undergraduate Admissions Open Houses

Join us for these power-packed Saturdays of discovery and connection. You'll engage with faculty and admissions counselors, tour the campus, find out how financial aid can work for you, and so much more. Family members – and questions – are always welcome!



For prospective/admitted students. Held throughout the academic year.
discover.ucr.edu



For prospective transfer students. Held every October. transfer.ucr.edu



For admitted students. Held every spring. highlanderday.ucr.edu

Important Dates & Deadlines

Aug. 1	Access UC Application for fall quarter admission.
Oct. 1	Access FAFSA (or CA Dream Act application) and Grade Point Average (GPA) Verification Form. (Deadline Mar. 2)
Nov. 1–30	Submit your UC Application. (Deadline Nov. 30)
May 1	First-Year Students: Deadline to submit your Statement of Intent to Register (SIR).
June 1	Transfer Students: Deadline to submit your Statement of Intent to Register (SIR).
July 1–30	Transfer Students: Submit your UC Application for winter quarter admission. (Deadline July 30)



TAKE A TOUR

Schedule a student-guided walking tour, or get a 360° view of labs, studios and popular hangouts.
visit.ucr.edu



UCR ON YouTube

Catch highlights and see what campus life is like from a student's point of view.
youtube.com/UCRiverside



FOLLOW US ON Instagram

Check out campus highlights, student spotlights and our favorite things to do in Riverside.
instagram.com/lifeatucr