

College of Engineering

CHEMICAL ENGINEERING

Formulating a Smarter Future

The world is changing, and it needs dynamic solutions. Chemical engineers discover new methods to produce clean water, air and fuels. They also find techniques to increase food production and manufacture consumer products sustainably and safely.



ACADEMICS FOR SUCCESS

The BS in chemical engineering at the UA is an interdisciplinary degree providing students an academic foundation in chemistry, math and physics with research opportunities in state-of-the-art labs and centers.

REWARDING CAREER PATHS

Chemical engineering is the No. 1 highest-paying college major, according to CNBC, and the median salary is over \$111,000. Graduates often advance into prestigious medical or graduate schools or continue to lucrative careers in numerous industries, from health care and manufacturing to environmental health and safety.



THE UNIVERSITY
OF ARIZONA

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COLLEGE OF ENGINEERING

Chemical & Environmental Engineering

RESEARCH FOR A BETTER WORLD

More than 90% of chemical engineering undergraduates are involved in research during their time at the university, in areas including:

- Climate change
- Algae-based biofuels
- Solar energy
- Desalination
- Cancer detection and treatment
- Water treatment and reuse
- Clean semiconductor manufacturing
- Drug delivery



“ I am forever grateful for the supportive environment of the chemical engineering department and the college as a whole. I can undoubtedly say that contributed to my academic – and now professional – success. ”

Alum Jodi Elizabeth Kreiner, Northrop Grumman

LEARNING FROM EXPERIENCE

Outside the classroom, students participate in a variety of activities to build leadership skills and prepare for the workforce.

- Omega Chi Epsilon honor society
- Formal networking opportunities with faculty, alumni and industry
- Paid internships with longtime industry partners
- Senior design projects with experienced industry mentors
- Research opportunities and field experience
- Professional organizations, student clubs and national competitions – such as American Institute of Chemical Engineers and Homebrewers of Arizona

A PLACE FOR EVERYONE

Various engineering clubs – American Indian Science & Engineering Society; National Society of Black Engineers; Out in Science, Technology, Engineering, and Mathematics; Society of Hispanic Professional Engineers, and Society of Women Engineers, for example – help ensure all students feel welcome and connected.

“ We put a lot of time and energy into mentoring students and fostering leadership. That is a very important part of our job. ”

Kim Ogden, department chair



Recruiting and Admissions

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Advising

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