

College of Engineering

# CHEMICAL ENGINEERING

## Formulating Our World and the Products of Tomorrow

The world is changing, and it needs dynamic solutions. Today's chemical engineers lead the way in sustainability, biotechnology, energy, advanced materials, consumer products, medicine and manufacturing.



### ACADEMICS FOR SUCCESS

Chemical engineering students acquire the skills needed to turn energy and raw materials into products the world needs. They take courses in materials, thermodynamics, transport phenomena, process control, reactor design and separations. Hands-on laboratory and design courses prepare them to find economic, safe and sustainable answers for the challenges that face society.

### REWARDING CAREER PATHS

Chemical engineering is the #1 highest-paying college major, according to CNBC, and the median salary is over \$133,000. Graduates often advance into lucrative careers in industries such as oil and gas, mining, pharmaceuticals, cosmetics, semiconductors and consulting. Many students also pursue advanced degrees and careers in academia.



THE UNIVERSITY  
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## RESEARCH FOR A BETTER WORLD

The majority of chemical engineering undergraduates are involved in research during their time at the university, in areas including:

- Air quality and climate science
- Materials and semiconductors
- Resource recovery
- Bioengineering and cancer treatments
- Environmental biotechnology and remediation
- Renewable energy and sustainability
- Water reuse, desalination and chemistry



“ 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.

- American Institute of Chemical Engineers student chapter
- 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

## A PLACE FOR EVERYONE

Various engineering clubs help ensure all students feel welcome and connected. These include the American Indian Science & Engineering Society; Engineers Without Borders; the National Society of Black Engineers; Out in Science, Technology, Engineering, and Mathematics; the Society of Hispanic Professional Engineers; and the Society of Women Engineers.

“ Our faculty and advisors are dedicated to mentoring students, fostering leadership and creating an inclusive environment where all students thrive. ”

*Kim Ogden, department chair*



### Recruiting and Admissions

520.621.6032 – [enr-admissions@arizona.edu](mailto:enr-admissions@arizona.edu)

### Advising

520.621.1897 – [advisor@chee.arizona.edu](mailto:advisor@chee.arizona.edu)