



THE UNIVERSITY OF ARIZONA

College of Engineering

APPLY TO UA ENGINEERING

1. Complete online UA application
2. Specify “Engineering – No Major Selected” as your first choice major
3. Self-report high school classes and grades, including in progress courses
4. Send test scores (ACT or SAT) to the Office of Admissions

► arizona.edu/apply – available now!





A HAND-PICKED FRESHMAN CLASS

We want to ensure you will be successful in Engineering at the UA:

- ▶ Comprehensive review
- ▶ ACT or SAT test scores
- ▶ 4 years math & 3 years lab science
- ▶ Calculus or pre-calculus senior year
- ▶ AP/IB/Honors/Dual-enrollment classes
- ▶ Strong GPA in required courses
- ▶ Optional information is important!

ABOUT UA ENGINEERING

3.75 CORE GPA

1350 SAT COMPOSITE

29 ACT COMPOSITE

STUDENT PROFILE

615 NEW FRESHMEN

150 NEW TRANSFER STUDENTS

40% OUT OF STATE

30% WOMEN

40% STUDENTS OF COLOR

COLLEGE PROFILE

2800 UNDERGRADUATE STUDENTS

15:1 STUDENT TO FACULTY RATIO

91% FIRST-YEAR RETENTION

650 BACHELOR OF SCIENCE DEGREES, 2019

DECLARE A MAJOR IN ENGINEERING

All freshman engineering students admitted “No Major Selected”

Declare a major after minimum of one semester

No “pre-professional” phase

No competitive re-application

No enrollment caps or quotas in individual majors



AEROSPACE

ARCHITECTURAL

BIOMEDICAL

BIOSYSTEMS

CHEMICAL

CIVIL

ELECTRICAL & COMPUTER

ENVIRONMENTAL

INDUSTRIAL

MANAGEMENT

MATERIALS

MECHANICAL

MINING

OPTICS

SYSTEMS

SOLVE GRAND CHALLENGES &
CHANGE THE WORLD IN
1 OF 15 MAJORS

FIRST YEAR FOUNDATIONS

Common first year to aid transition

Math sequence begins with Calculus I

Create customized schedule at Orientation

All degrees designed to be completed in 4 years

FIRST SEMESTER

Engineering 102

Calculus I

Chemistry & Lab

English Comp. I

General Education

SECOND SEMESTER

Calculus II

Chemistry

Physics

English Comp. II

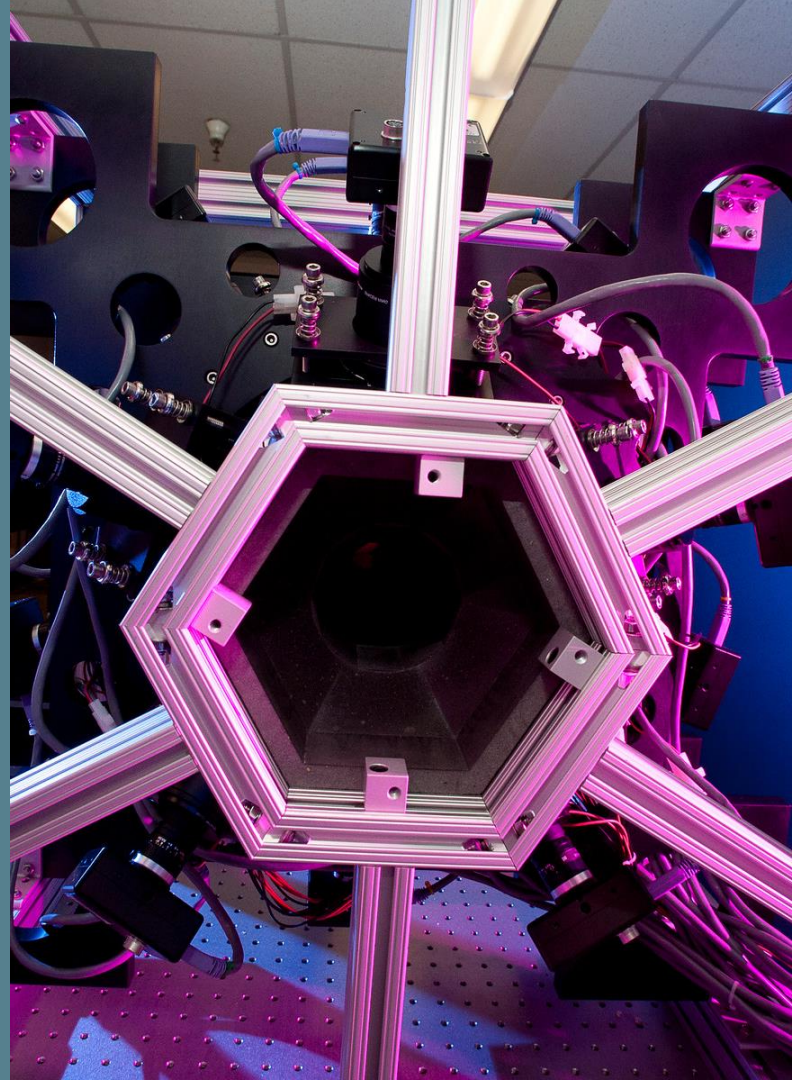
Major-Specific Course



FREEDOM TO EXPLORE

ENGINEERING 102 LECTURE SERIES

- Meet different majors and departments
- Learn from industry professionals
- Make connections outside of the classroom
- Build your resume and career potential
- Plan out your future in academics and industry
- Discuss engineering ethics and academic integrity



BEAR DOWN AT THE THROW DOWN

INTRODUCTION TO DESIGN

Learn the engineering design process

Build communication and presentation skills

Work on a team of peers to create a product

PROJECT BASED LEARNING

Solar Oven Throw Down

Grand Challenges of Engineering

SolidWorks and Excel training



LIVE AND LEARN ON CAMPUS

23 dorm options to choose from

2 theme communities just for engineers!

Pay housing deposit by April 1 for guaranteed housing!

▶ life.arizona.edu ◀





ENGINEERING LEADERSHIP COMMUNITY

Located in Yuma Hall (2020)

ENGR 197A: 1 unit Success Course along with other introductory cohort classes

Co-curricular activities: resume workshops, challenge course, peer mentorship, STEM club mixer, employer field trips, & more!

Support of fellow ENGR students & RAs

CAMBIUM: A STEM SCHOLARS COMMUNITY

Located in the Honors Village

Open to Honors STEM students

ENGR 196A: 1 unit Introduction to Scholarly Methods course

Facilitation of student-led research project and participation in the Honors College First Year Project Showcase

Opportunity to gain faculty connections and mentorship



ACADEMIC SUPPORT IN REAL TIME

- Calculus and Physics study groups for engineers
- Designated faculty office hours
- Engineering honor societies
- Freshman and Major-specific academic advisors
- Think Tank tutoring in Math, Science, & English
- Supplemental instruction for key coursework



UNDERGRADUATE RESEARCH

UA is proud member of the Association of American Universities (62 nationally)

\$23 million in ENGR research expenditures

Cultivate applied science and engineering skills

Build resume, get published, present at conferences

Differentiate yourself for grad school and career



JOIN THE CLUB

SOMETHING FOR EVERYONE

35+ College of Engineering student orgs

Professional societies, student council, service groups

Honor societies & fraternal organizations

DESIGN, BUILD, COMPETE

Put your engineering skills to the test – for bragging rights

Baja Racing, Design/Build/Fly, Rube Goldberg, Concrete Canoe, Autonomous Underwater Vehicle, & more!



REAL-WORLD EXPERIENCE

INTERNSHIPS

Most engineering students will do at least 1
Internship or Co-op

Work on real projects for real companies

Average \$20/hour pay

Get a jump start on job searching



WHERE DO OUR ENGINEERS INTERN?

Garmin International, Arizona

The Boeing Company, Washington

Raytheon Missile Systems, Arizona

NASA Langley Research Center, Virginia

The Walt Disney Company, California

REU in Fluid Mechanics, University of Alabama

Newmont Mining, Colorado

U.S. Department of Agriculture, Illinois

Edmund Optics, New Jersey

Microsoft, Washington

W. L. Gore & Associates, Arizona

General Atomics Aeronautical Systems, California

Tucson Electric Power, Arizona



CAP IT OFF WITH SENIOR DESIGN

SHOW YOUR STUFF

Work with an interdisciplinary team on a real-world project

Receive a 4k budget, mentor, and perhaps a cash prize!

Present final product at annual Senior Design Day

BY THE NUMBERS - 2019

118 design teams

616 students

64 corporate/industry and UA sponsors

120+ technical judges

\$35,750 in sponsored prizes





BOLDLY GO...

GRADUATION

62% into industry

26% into further education (Law/Medical School, Master's Program)

3% into Military

CAREER CONNECTIONS

Career Days held bi-annually with STEM specific offerings

Industry Expo – engineering career fair – held annually in spring

Meet top employers and recruiters

Participate in on-campus interviews

WILDCAT ENGINEERS POST-GRADUATION

Software Engineer, Cognizant Technology Solutions

Process Development Engineer, Boston Scientific

Systems Engineer, Honeywell Aerospace

PhD in Materials Science, UCLA

Supply Chain Manufacturing Engineer, PepsiCo/Gatorade

Computer Scientist, Adobe

Satellite Systems Engineer, Lockheed Martin

Mine Engineer, Freeport-McMoRan Inc.

Operations Specialist, Texas Instruments

Technology Innovation Group Engineer, The Walt Disney Studios

Product Engineer, John Deere

Second Lieutenant, United States Air Force

Program Manager, Microsoft



SUMMER ENGINEERING ACADEMY (SEA)

Camp offerings throughout June and July
Work on engineering projects with UA faculty
Make connections with engineering student counselors
Live on-campus and explore UA life
Need-based scholarships available in the spring

2020 camps will be announced in the new year

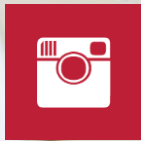
engineering.arizona.edu/sea

ARE YOU READY TO
BEAR DOWN?



UA College of
Engineering

@azengineering



GET IN TOUCH

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