Making Society Move

If it moves, mechanical engineers can design, build and repair it. They apply math skills, computational tools and the laws of physics to a variety of high-tech fields, such as space vehicles, defense systems, renewable energy and biomedical devices.

Destination of Choice

The UA is a top research university boasting strong industry ties, with research and development expenditures in the top 5% of public universities. Flexible academic programs, high-profile investigation, commercial design projects and club competitions are integral to the student experience.

Rewarding Prospect

Mechanical engineering is the No. 5 highest-paying college major, according to CNBC, and the median salary is over $104,000. Graduates’ knowledge is needed in virtually every industry, including automotive, transportation, construction, utilities, defense, chemical and medical.
EXCELLENCE IN EDUCATION & RESEARCH

Mechanical engineering students work with renowned faculty to conduct interdisciplinary research across a wide array of challenges, with a focus on:

- Solid and fluid mechanics
- Computational mechanics
- Nanotechnology
- Dynamics and controls
- Biomechanics
- Renewable energy
- Thermal sciences
- Mechanical design

The problem-solving that you learn in engineering can’t be replicated really anywhere else. The core of the most important things in my career has been what I learned in engineering.

Alum Dave Hutchens, president and CEO of Fortis Inc.

LEARNING FROM EXPERIENCE

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

- Paid internships with longtime industry partners
- Formal networking opportunities with faculty, alumni and industry
- Senior design projects with experienced industry mentors
- Research opportunities and field experience
- Student chapters of professional organizations
- Student clubs, such as the American Society of Mechanical Engineers, and national competitions

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.

You can probably count on one hand the universities that compete with us in terms of facilities like this. We’re one of a select few.

Jesse Little, associate professor

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