Support the
COLLEGE OF ENGINEERING

WICHITA STATE UNIVERSITY

The **College of Engineering** at Wichita State University (WSU) was established in 1928. Today, it includes seven departments, 2,100+ undergraduate students and 1,600+ graduate students. Since its inception nearly 100 years ago, the college has set itself apart through a commitment to applied learning, a spirit of innovation and a strong reputation for research and development.

OUR REPUTATION IN ACTION

Applied Learning

Applied learning is the hallmark of WSU. Engineering and computing students get hands-on experience in the classroom, in dozens of laboratories throughout the Main Campus and Innovation Campus, and on the job through robust co-op and internship programs.

In our Accessible Design course, students focused their projects on assisting individuals with disabilities. One group modified an all-terrain wheelchair for a nine-year-old with cerebral palsy who is now able to run 5Ks with his mom.

Innovation

The Innovation Campus at WSU features the John Bardo Center, where undergraduate students have access to 25 labs with state-of-the-art technology and equipment, as well as numerous strategic partners, including global companies and organizations.

A team in our Shocker Design Experience course worked on the historic Orpheum Theatre to scan, model and print replicas of decorative features in need of restoration. Their project showcased the application of new technology in historic renovations.
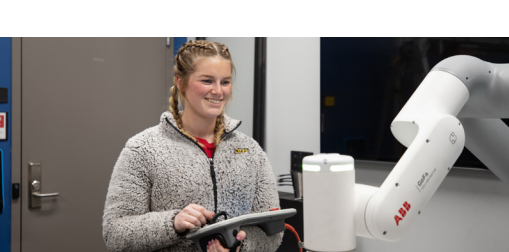
Research and Development

With its College of Engineering and National Institute for Aviation Research (NIAR), WSU leads the National Science Foundation (NSF) rankings for research and development (R&D). In 2023, WSU was ranked in the top 20 for R&D expenditures and No. 1 in industry-funded aeronautical R&D expenditures.

A team of seven aerospace engineering students demonstrated R&D in action with research into the use of owl-feather technology in the creation of silent drones. Their work was awarded an initial grant of $40,000 with the opportunity to win an additional $40,000.

COLLEGE OF ENGINEERING

Learn More
wichita.edu/engineering

(316) 978-3400

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Key Initiatives

Produce More Engineers

The College of Engineering aims to recruit and retain more engineers through K-12 outreach programs, extensive recruitment efforts, mentoring, and a hands-on programs proven to improve retention of women, minorities and low-income students.

→ **How You Can Help:** Support a K-12 program (like engineering summer camps or one of our robotics competitions), the Shocker Design Experience (SDX) or the ACE Mentoring program.

Develop Workforce-Ready Engineers

In addition to gaining real-world experience through internships and co-ops, engineering and computing students participate in an interdisciplinary senior design course in which they design, build and test a real product or system, often in collaboration with a company.

→ **How You Can Help:** Sponsor the Senior Design Experience or the annual Engineering Open House, where seniors and other students showcase their projects to the community and companies.

Advance Affordable Education

The college awards approximately $900,000 each year in need-based and merit-based scholarships, benefiting 200+ students annually. But financial need still exists among students, and we aim to continue closing the gap through additional scholarship support.

→ **How You Can Help:** Leave your legacy at Wichita State by creating a scholarship to support first-generation, low-income students.

Build a Diverse Workforce

The college has various events and student organizations, such as the Shocker Engineering Academy (SEA), aimed at attracting and retaining a diverse student body.

→ **How You Can Help:** Take our events and programs to the next level by providing financial support for outreach opportunities like Invite a Girl to Engineering Day (IGED), student organizations catering to underrepresented groups, or the SEA program.

Cultivate a High-Quality Faculty

Across seven different departments, the college has more than 80 faculty members, many of whom conduct important research projects and work collaboratively with industry. It is vital to the success of students and the future of the college to cultivate a high-quality faculty.

→ **How You Can Help:** Advance ground-breaking research at Wichita State by supporting faculty fellowships, chairs and professorships, which allow us to attract and retain top talent.