Top reasons to choose mechanical engineering as your major

- **Hands-on laboratory experience** — We offer well-equipped laboratories including two clean rooms for crystal growth, a subsonic wind tunnel, composite materials, automatic controls, measurements and instruments, 3-D printing and material testing, as well as a natural gas machinery lab.

- **High ranking** — U.S. News and World Report ranks K-State’s mechanical engineering program in the top 80 programs in the U.S.

- **World-renowned faculty** — Our award-winning faculty are energetic and committed to learning in the classroom and beyond. Faculty include University Distinguished Professors, National Science Foundation CAREER Award recipients and faculty honored for excellence in undergraduate teaching.

- **Design teams** — Our student competition teams compete on the national level, putting into action what they learn in the classroom.

- **Nuclear option** — K-State is one of only a few universities in the U.S. with a working nuclear reactor. You can earn your bachelor’s degree in mechanical engineering with an emphasis in nuclear engineering, or a graduate degree in either mechanical or nuclear engineering.
Program overview and degree option

- Mechanical engineering — As designers and innovators, mechanical engineers combine science and mathematics to benefit humankind. Mechanical engineers are problem solvers who work in almost every discipline. K-State ME graduates design components and systems for the aerospace, automotive, power and petroleum industries, as well as applications in construction, environmental control, food processing, government, manufacturing and mining.

- Nuclear option — Students in the mechanical engineering program may pursue a formal option in nuclear engineering. The nuclear field encompasses nuclear power plant design and construction, as well as nuclear medicine, quality control in industry and research at national laboratories.

The mechanical engineering degree program is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org.
Why mechanical engineering at K-State?

Student teams and organizations

Student design teams
- Baja SAE
- Formula SAE
- SAE Aero Design
- Human Powered Vehicle
- Unmanned Aerial Vehicle

Student organizations
- AIAA — American Institute of Aeronautics and Astronautics
- ANS — American Nuclear Society
- ASME — American Society of Mechanical Engineers
- SAE — Society of Automotive Engineers
- MNE Women

Honor societies
- Alpha Nu Sigma
- Pi Tau Sigma
Career paths

Average starting salary for a mechanical engineer with an undergraduate degree is $64,400. Career areas include, but are not limited to, mechanical, aerospace, automotive, biomedical, plant, research, solar energy and thermal research engineering. Fifteen percent of K-State mechanical engineering graduates pursue advanced degrees.

ME career options

Research and development
Work as part of a team to find new uses for technological discoveries.

Design
Create components, systems or processes to meet needs.

Manufacturing
Devise new or improved production processes for the manufacture of components, machines or systems.

Sales
Represent a company by providing technical assistance to the customer.

Management
Deal with human problems, business decisions and long-range planning as associated with technical activities. Nearly 40 percent of all industry executives are engineers.

Consulting
Use expertise as a specialist in one or more branches of engineering and help others with their technical problems.

Major employers

- Altec
- B/E Aerospace
- Black & Veatch
- BNSF Railway
- Boeing
- Burns & McDonnell
- Cargill
- Caterpillar
- ConocoPhillips
- General Electric
- Halliburton
- Harley-Davidson Motor Company
- Honda
- Honeywell
- John Deere
- Koch Industries
- Lockheed Martin
- Microsoft Corporation
- National Instruments
- NASA
- Nissan Motor Company
- Phillips 66
- Radiation Detection Technologies
- Rockwell Automation
- Spirit Aerosystems
- Textron Inc.
- Westar Energy
- Wolf Creek Nuclear Power