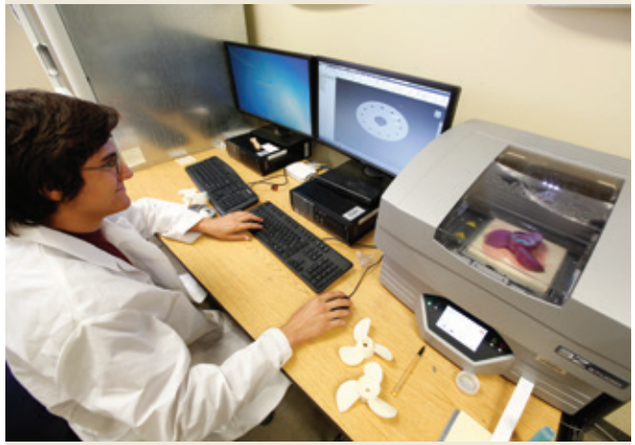
Engineering
MASTER OF SCIENCE

Department Mission

The Ingram School of Engineering aims to provide students with an exceptional education in various disciplines of engineering, help students achieve excellence in graduate studies and research through a dedicated faculty and a nationally recognized research program, and serve the state and the nation by creating highly skilled, diverse and motivated professionals capable of technological innovation and dedicated to the improvement of society. The Ingram School will serve students and employers by offering accredited and relevant engineering programs with input from an active Industrial Advisory Board representing local industries.

Concentrations Offered

- Industrial
- Electrical
- Mechanical and Manufacturing



engineering.txstate.edu

The United States must invest in the development and recruitment of the best and brightest from here and abroad to ensure that we have the talent, expertise and ideas that will continue to spur innovation and keep our nation at the leading edge of science and technology.

– National Academy of Sciences

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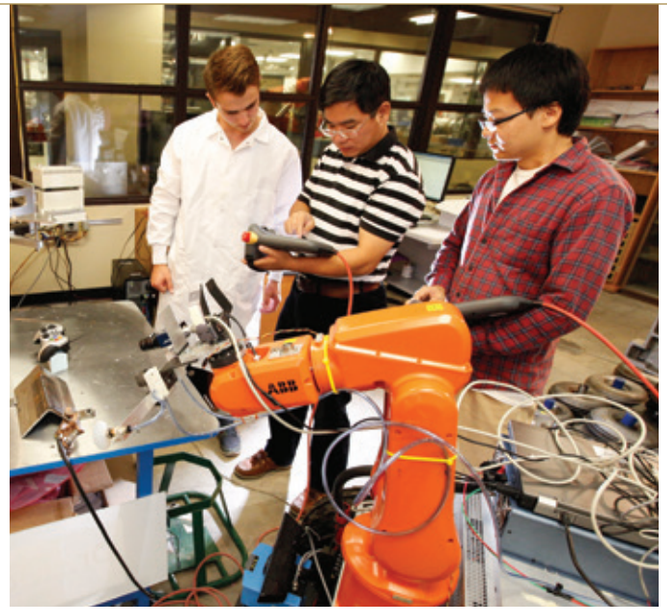

Students develop multidisciplinary engineering skills with academic depth and industry-driven application focus, necessary for a highly rewarding career in engineering.

TEXAS STATE
THE GRADUATE COLLEGE

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Why choose Texas State?

The Ingram School of Engineering has state-of-the-art multimedia-equipped classrooms, laboratories and equipment designed to foster engineering education and research and promote active learning through lectures and hands-on experience. Graduates will be ready to make immediate contributions in professional careers or pursue doctoral studies leading to academic and research-related careers.

With input and support from major industries, this program is designed to produce highly qualified graduates with multidisciplinary theoretical and practical skills necessary to perform effectively in all professional contexts.

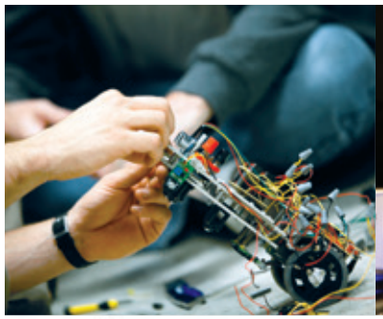
Course Work

The engineering program provides a practical, industry-driven focus via a long-term, targeted technical project or research thesis related to real-world engineering applications. The project or thesis will be conducted in partnership with local industries and may involve off-campus collaborations.

The program has two options: a traditional thesis option focused on an academic research topic and a directed research option focused on a practical, industry-driven project. Both options require a minimum of 34 hours with 18 hours of engineering core courses, nine hours of multidisciplinary electives and seven hours of general core, including one hour of seminar and at least six hours of thesis or project. Students choose from three separate concentration areas: electrical, industrial or mechanical and manufacturing.

Faculty

The faculty maintains high standards of teaching, research and service in a wide spectrum of areas within electrical, industrial, and mechanical and manufacturing engineering disciplines. Faculty research is facilitated by state-of-the-art laboratories in each of these areas and in multidisciplinary areas including sustainable/renewable energy, "Internet of Things" technologies and applications, quality healthcare delivery and "Smart Cities" initiative including smart grids and mobility innovation. Specific research interests of the faculty can be found at **engineering.txstate.edu/Contact/faculty**.



Career Options

Employment growth in engineering and engineering-related jobs that require a master's degree is expected to be strong over the next decade and beyond, according to recent data from the U.S. Bureau of Labor Statistics. Graduates of this program will be ready to enter the workforce in industrial, service and government organizations or to pursue doctoral studies leading to academic and research-related careers.

Important Deadlines*

Admissions

Priority Fall: February 15
Fall: June 15
Spring: No admission
Summer: No admission

Funding: Scholarships, Fellowships and Assistantships

Applications must be complete by the priority deadline to be considered for funding.

How to Apply

For information regarding admission requirements and submission instructions, please visit:
gradcollege.txstate.edu/apply

*International applicants can view specific deadlines and requirements at:
gradcollege.txstate.edu/intl_home

For information on deadlines, admission requirements and funding, visit:
gradcollege.txstate.edu/engineering