



Graduate Programs

The Cockrell School of Engineering at The University of Texas at Austin

has achieved its stellar reputation in graduate education based on a simple formula: engage top students with talented faculty to create the technological knowledge needed to solve critical global problems.

As a graduate student at the Cockrell School, you become part of a longstanding tradition of excellence and success. Whether your focus is local or global, your graduate education generates opportunities for truly making a difference across every spectrum of society.

Last fall, graduate students from 40 states and 35 countries became Longhorn engineers—and for good reason. Year after year, the Cockrell School is recognized as a top-ranked graduate engineering school.



Stellar Reputation

The Cockrell School of Engineering is ranked:

- 10th** Overall with more than half of our programs ranked in the top 10, *U.S. News and World Report Best Graduate Schools of Engineering*.
- 5th** Academic Ranking of World Universities (ARWU) in Engineering/Technology and Computer Sciences.
- 14th** *Times Higher Education* 50 Best Engineering and Technology Programs in the world.

World-Renowned Faculty

Pioneers. Specialists. Visionaries. Our faculty will inspire you.

Our biomedical engineering professors are developing or have already attained leading positions in areas such as treatment of cancer, diabetes, multiple sclerosis, osteoporosis, orthopedic disorders, and eye diseases as well as in the fields of tissue replacement, imaging and diagnostics, biomaterials, drug development and delivery, bioinformatics, and systems biology.

Our faculty are consistently recognized for their contributions in research with awards such as UT Inventor of the Year, the Max Jacob Award, the Founders Award of the National Academy of Engineering, *Nature Biotechnology's* Top 20 Translational Researcher, and much more.

Centers Directed by BME Faculty

Center for Cardiovascular Simulation

Directed by Dr. Michael Sacks, the overarching goal of the Center for Cardiovascular Simulation (CCS) is to provide cardiovascular scientists and clinicians with advanced simulations for the rational development of treatments for cardiovascular disease.

Center for Emerging Imaging Technologies

Directed by Dr. Andrew Dunn, The Center for Emerging Imaging Technologies fosters collaborative research on the development and application of new imaging technologies for biomedical research and clinical medicine.

Institute for Biomaterials, Drug Delivery and Regenerative Medicine

Directed by Dr. Nicholas Peppas, the Institute for Biomaterials, Drug Delivery and Regenerative Medicine provides a focal point for impactful activities in research, education, and service in biomaterials, drug delivery, and regenerative medicine – key areas to transforming health care.



Dynamic Location

Austin, Texas, the state's vibrant capital city, offers more than just SXSW and BBQ.

No. 1 fastest-growing city in the country (*Forbes*, 2014).

Serves as a major tech industry hub, fostering innovation and creativity.

Boasts history, culture, community, live music, and outdoor recreation.

Enjoys a sunny, temperate climate year-round.

Research Areas

Biomechanics At The University of Texas at Austin, researchers apply engineering principles to understand how living systems function at all scales of organization and to translate this understanding to the design of devices and procedures that will improve diagnostic and therapeutic methods in health care.

Biomedical Imaging & Instrumentation We focus on interdisciplinary research for disease detection. Emphasis is on integrating new advances in imaging science, molecular markers of disease, and novel contrast agents for translational research.

Cellular & Biomolecular Engineering Topics include tissue engineering, the synthesis of biomaterials that modulate tissue responses, development of smart drug delivery devices, design of therapeutic macromolecules, gene therapy, and more. Our core faculty have established an outstanding record of scientific accomplishments and technological innovations.

Computational Biomedical Engineering We are conducting research at the interface of computational biomedical engineering, prognostics, and diagnostics that combines clinical data with patient-specific genotyping and molecular profiling. This approach has the potential to produce significantly improved therapies for individual patients.



Facilities

We understand the importance of having access to the right facilities to conduct research. Our department is housed in a state-of-the-art 141,000 square foot, six-story laboratory research building certified by the U.S. Green Building Council Leadership in Energy and Environmental Design for optimization of energy performance and sustainability.

Engineering Education and Research Center (EERC)

Opening in 2017, the EERC will further our culture of innovation and transform engineering education through interdisciplinary teaching and research.

Beyond UT Austin

Students have opportunities to conduct research with individuals and institutions beyond the city of Austin. We partner with The University of Texas M. D. Anderson Cancer Center, The University of Texas Health Science Centers at Houston and San Antonio, as well as a number of nearby hospitals and medical facilities, including the Dell Medical School set to open at The University of Texas at Austin in 2016.

Substantial Funding

We know funding matters. We offer Ph.D. students financial packages that include fellowships, paid teaching or research positions, health insurance, and tuition coverage.

Our Ph.D. students receive **an average of \$26,500+ a year** from assistantships, scholarships, stipends, grants, and fellowships in addition to tuition and health insurance coverage.

Admitted Ph.D. students are nominated for a number of one-year and multi-year fellowships ranging from \$1,000-\$9,000 per year, on top of an annual stipend rate of at least \$24,500.

More than 25 percent of our current Ph.D. students are major fellowship recipients from sources such as the National Science Foundation, the American Heart Association, and more.

Our department is proud to offer the prestigious **Imaging Science & Informatics Graduate Fellowship** funded by the Ruth L. Kirschstein National Research Service Award from the National Institutes of Health.

The fellowship provides a year of funding, after which Ph.D. students are supported as a graduate research assistant/teaching assistant. To be considered you must be a U.S. citizen applying to the Ph.D. program.

For more information: <http://links.utexas.edu/cuwopsy>



Admissions Process

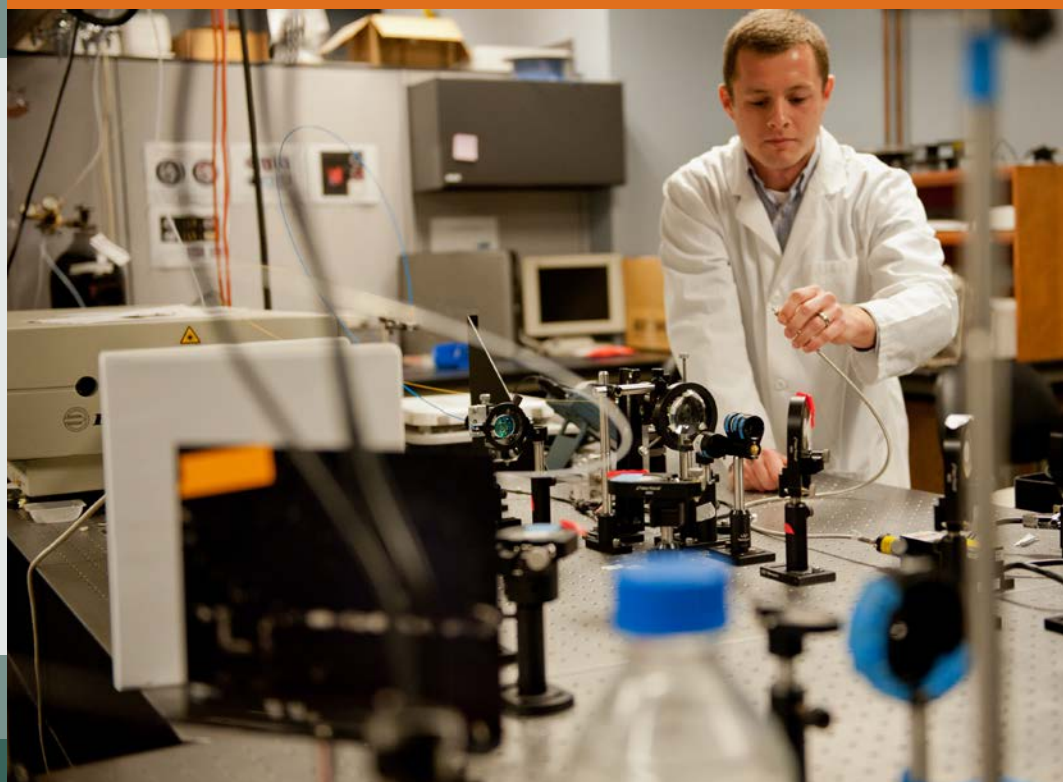
Applicants must complete the online application for admission. The Admissions Committee reviews each prospective student's entire application, including:

- Grade Point Average (GPA)
- Graduate Record Examination (GRE) scores
- TOEFL score (if applicable)
- Statement of Purpose
- Three letters of recommendation
- Transcripts
- Undergraduate degree area
- Previous research or work experience

Applicants are evaluated holistically. Admissions decisions are made in the context of laboratory space and resources available each year. Changes to application documents will not be accepted after the deadline.

To determine whether or not you are required to take the TOEFL: http://www.utexas.edu/ogs/admissions/test_scores.html

Apply Now: <http://www.engr.utexas.edu/graduate/admissions/apply>



Application Deadlines

Fall admission: Applications must be received by December 1.

More Information

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