



ENGINEER YOUR FUTURE: Graduate Studies at Texas Tech



TEXAS TECH
UNIVERSITY
Department of Chemical Engineering

ENGINEER YOUR FUTURE

Graduate studies in Chemical Engineering at Texas Tech will allow you to follow your passion and will open new doors and opportunities. Do you want to teach? Do you want to make a difference through cutting-edge research? Do you want to start your own tech company? Our Ph.D. graduates are employed in academia, national laboratories, and industry, and several recent graduates have begun startups based on their Ph.D. projects.

Our focus areas,

- Bioengineering
- Energy and Sustainability
- Polymers and Materials
- Simulation and Modeling in Chemical Engineering

involve multiple faculty members and many collaborative projects. Elective courses in each field help broadly prepare students for their future careers, while research allows students to delve deeply into a specific topic and to become world-class experts.



WELCOME TO LUBBOCK

The "Hub City" and our surrounding neighbors make for a population of over 630,000! This means we have all of the luxuries and amenities of a big city with the friendliness and feel of a small town. Lubbock, however, is by no means a small town, with fourteen art, music, and performing arts centers, an international airport, and nearly 1,000 restaurants!

HOW DOES LUBBOCK COMPARE?

"6th Best City for 20-Somethings in the U.S." - Move.org, Best Cities for 20-Somethings

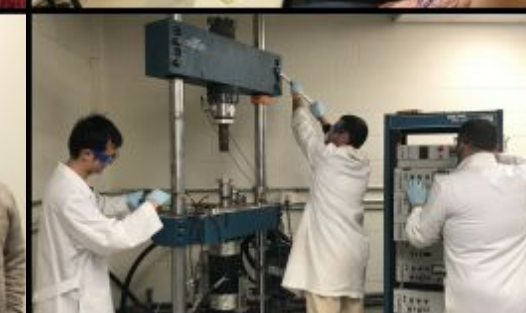
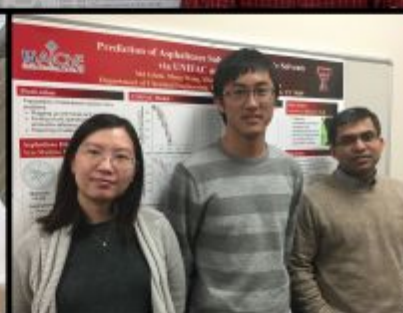
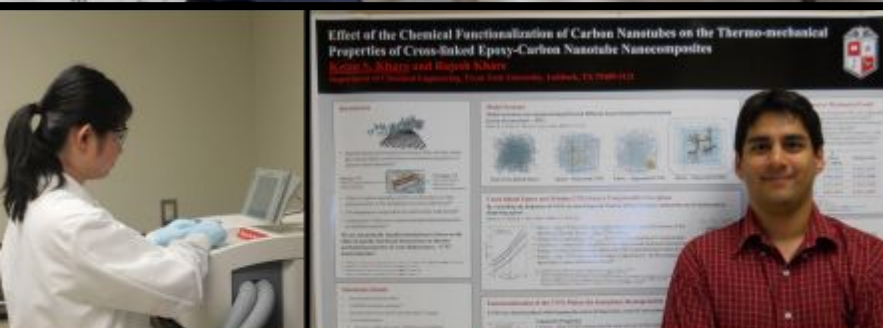
"18th Best City in the US for People under the Age of 35" - CNBC, The 25 best cities in the US for people under the age of 35

"No. 4 of the 10 Best U.S. Cities to Get a Job" - Business.com, The 10 Best U.S. Cities to Get a Job In

"68 Out of the Best 150 Cities for Millennials" - MillennialsPersonalFinance.com, Best Cities for Millennials



YOUR FUTURE STARTS HERE!



FROM HERE, IT'S POSSIBLE

At Texas Tech, you will find the expert faculty, the state-of-the-art facilities, and the entrepreneurial spirit to engineer your graduate studies and your future. Our Energy and Sustainability program and the Materials Characterization Center are housed in the newly renovated Maddox Center. The Valero Experiential Learning Laboratory, to come online in spring 2018, will include teaching facilities for materials, polymers, and bioengineering. A pilot-scale distillation plant will provide students with invaluable opportunities for modeling, control, and optimization of industrial size equipment. Students can also take advantage of entrepreneurial and accelerator opportunities at the Texas Tech Innovation Hub. Whether you want to teach, go into R&D, or work in a national laboratory or start-up, your preparation at Texas Tech will get you there. From here, it's possible!

AWARD-WINNING RESEARCH

From developing vaccines using pollen grains to sorting cancer cells with microfluidics to uncovering the secrets of million-year-old amber glasses, our graduate students are making an impact and winning awards for their work.



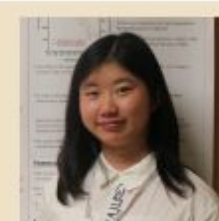
Jennifer Hewitt was awarded second place in the poster competition at the 2016 meeting of the American Society for Gravitational and Space Research. She plans to study the effect of microgravity on aging and strength in *C. elegans* as a model for aging and muscle loss in astronauts.



Mizanur Rahman was awarded the Investigator Space Flight Award at the 2016 meeting of the American Society for Gravitational and Space Research for his study of muscle strength and aging in *C. elegans*.



Ziye Dong received the 2017 Graduate Student Design and Research Award from the Biomedical Engineering Society (BMES) for his work in biodegradable nanofilms for isolating and recovery of cancer cells.



Qian Tian won first place in the Student Poster Competition at the International Conference for Thermal Analysis and Calorimetry (ICTAC) in 2016 for her study of nanoconfined free-radical methacrylate polymerization.



TEXAS TECH
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Eighteen faculty members

Innovative and award-winning research

Ranked in the top 50 in faculty productivity by Academic Analytics

From here, it's possible.

depts.ttu.edu/che/