GRADUATE STUDIES IN CHEMICAL ENGINEERING
WHAT STARTS HERE CHANGES THE WORLD

Imagine what doors will open to you when you take on graduate studies in the McKetta Department of Chemical Engineering at The University of Texas at Austin. Whether you aspire to join academia, work in national laboratories or industry, or launch your own startup – the possibilities start here.

As part of a program ranked No. 4 in the nation*, enhance your technical and teamwork skill, learn from an award-winning, world-class faculty community, shape groundbreaking research that addresses challenges in energy, human health, sustainability and more, engage in collaborative partnerships, advance world-changing ideas and join a vibrant community of inspiring, focused and innovative engineers.

Students select UT for its academic excellence, its commitment to research and teaching, and its location in the heart of a city that is consistently ranked as one of the best places to live, study, and start a career. And all of our chemical engineering Ph.D. students are guaranteed full funding.

So, what are you waiting for? See yourself at UT and apply today.

*U.S. News & World Report 2020 Best Graduate Schools Ranking

GRADUATE PROGRAM SNAPSHOT

100% of our graduate students receive full funding, including tuition, health insurance, and a competitive stipend

1 in 2 receive additional fellowships to offset living expenses, on top of guaranteed full funding

26 National Science Foundation fellowship students

190 current enrolled graduate students

25-35 new Ph.D. students enroll annually

47% of our incoming class are women

Our students come from 25+ different countries

WE ARE COMMUNITY-FOCUSED, FAMILY-FRIENDLY

• Academic milestone extensions for family needs
• Access to lactation rooms on-site and the UT Child Development Center
• 80+ engineering student organizations including groups dedicated to minority interests, the LGBTQ community, and women engineers

STUDENT SPOTLIGHT

Gang Fan
Co-advised by Nate Lynd & Keith Keitz
B.E. Changzhou University
M.E. Tianjin University
Christopher Dundas
Advised by Keith Keitz
B.S. SUNY Buffalo

Gang Fan and Christopher Dundas developed a new technique that creates plastic with different physical and chemical characteristics through bacteria. Their unique bacteria-produced polymer is a result of a multi-lab collaboration and could serve as an alternative to the current polymer produced by the fossil fuel industry, making its production more economical in the future.
**WORLD-CLASS FACULTY**

- **31** full-time faculty
- **100%** of our faculty have been recognized with prestigious or coveted national or international awards in research, teaching, career accomplishments, or all three
- **85** patents issued in the past five years
- **84%** of faculty work in two or more research areas
- **1/3** of faculty hold dual appointments in UT departments including chemistry, physics, pharmacy, mechanical engineering and biomedical engineering

**STUDENT SPOTLIGHT**

**Abigail Leistra**

Advised by Lydia Contreras
B.S. Calvin College

Abigail Leistra studies protein and RNA molecules that change the behavior of E. coli bacteria in response to stress, like sugar starvation. Abigail uses molecular biology and bioinformatics to study these responses and collaborates with departmental process control experts to model the bacteria’s behavior. Her research shows new ways to improve how E. coli can be used as a biofactory to make fatty acids or amino acids, important steps for making more specialized chemicals.

**INTERDISCIPLINARY PROGRAMS**

About **20%** of our graduate students have more than one faculty advisor. This collaborative and flexible approach lets students tailor their research projects to areas they are passionate about.

- **23** cross-disciplinary centers and programs
- **25+** specialized degree portfolios

Students have access to classes and resources across campus, including Dell Medical School, McCombs School of Business, and the School of Law.

**DIVERSE RESEARCH AREAS**

- Advanced Materials, Polymers and Nanotechnology
- Biotechnology
- Energy
- Environmental Engineering
- Modeling and Simulation
- Process Engineering

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**Graduate Students in the Maynard Lab**

**Dr. Venkat Ganesan**

**Dr. Joan Brennecke with students**

**Environmental Engineering**

**Modeling and Simulation**

**Process Engineering**
CAREER PATHS

Our graduates succeed in a wide variety of career paths:

- Academia
- Consulting
- Government
- Nonprofit
- Oil and gas industry
- Pharmaceuticals

$100,000 average starting salary after graduation
125 alumni currently academic faculty

PROFESSIONAL DEVELOPMENT SUPPORT

- Certificate in Engineering Education to prepare future faculty
- Professional development workshop
- The Austin Technology Incubator for innovation commercialization
- Student travel funding

1/3 of faculty have founded or co-founded startups in the last decade in fields that include biotechnology, medical therapy, diagnostics and water treatment.

WELCOME TO AUSTIN

Austin, Texas, the state’s vibrant capital city, is one of the nation’s major tech hubs with booming startups and large companies calling the city home, including Dell, Whole Foods, Google, National Instruments, Silicon Labs, and Freescale Semiconductor. Austin boasts SXSW, BBQ and a sunny, temperate climate year-round.

- #1 Best Place to Live in U.S. (U.S. News & World Report)
- #1 Best Place in the U.S. to Start a Business (Inc)
- #3 Best Performing Economy (Business Insider)

ARE YOU READY TO CHANGE THE WORLD? APPLY TODAY.