



GRADUATE PROGRAMS

UNT COLLEGE OF
ENGINEERING
EST. 1890

ONLY THE



At the University of North Texas, our student-focused philosophy, world-class faculty and exceptional research facilities give you the freedom to pursue and achieve your goals. With state-of-the-art labs and equipment housed in our 300-acre Discovery Park, about five miles north of UNT's main campus in Denton, the College of Engineering offers you a unique environment to learn, conduct research and connect with your peers and faculty mentors.

BEGINNING

Uniqueness

The Department of Mechanical and Energy Engineering is the first of its kind in the nation.

Legacy

The Department of Computer Science and Engineering is one of the oldest in the country, with more than 45 years of excellence.

Connections

Our more than 18 student organizations and societies provides you with the skills and tools to succeed.

Resources

As a student, you'll have access to research grant funding and travel funds for conferences and workshops.

Innovation

You'll have unique access to extraordinary lab facilities such as the Materials Research Facility, the Computational Epidemiology Research Laboratory and AMMPI.

Special Study

Help the future of healthcare by specializing in Biomedical Engineering with our Ph.D.s in Materials Science and Engineering and Mechanical and Energy Engineering.

Convenience

With valid UNT IDs, students may travel between Discovery Park, UNT's main campus and Denton via the free bus service.

GRADUATE

The College of Engineering offers seven master's and four doctoral degree programs. Our engineering graduate students work with multidisciplinary faculty researchers who pioneer ideas that benefit the global community.

Researchers use cutting-edge technologies, including 3-D printing and computational systems, to address challenges in energy, the environment, health care, infrastructure and security.

Among public universities for
engineering grad programs

**TOP
100**

Among public grad programs for
materials science and engineering

#45

PROGRAMS

M.S. Programs

Artificial Intelligence, M.S.

Biomedical Engineering, M.S.

Computer Engineering, M.S.

Computer Science, M.S.

Electrical Engineering, M.S.

Engineering Technology, M.S.

Materials Science and Engineering, M.S.

Mechanical and Energy Engineering, M.S.

Ph.D. Programs

Computer Science and Engineering, Ph.D.

Electrical Engineering, Ph.D.

Materials Science and Engineering, Ph.D.*

Mechanical and Energy Engineering, Ph.D.*

* These Ph.D. programs offer a concentration in Biomedical Engineering.

Jincheng Du

Dr. Jincheng Du uses computer simulations and materials modeling methods to tackle problems surrounding the safe storage of nuclear waste over long periods of time.

Armin Mikler

Dr. Armin Mikler leads the center for Computational Epidemiology and response analysis in the Department of Computer Science and Engineering. The center focuses on disease outbreak modeling, visualization of complex data, geospatial analysis and crisis response plan design.

RESEARCH FACUL

Gayatri Mehta

Dr. Gayatri Mehta is the director of the Reconfigurable Computer Laboratory. One of her primary research projects is “UnTANGLED,” which is funded by the National Science Foundation. This mapping placement game discovers mapping algorithms by using human ability and intuition to recognize patterns and opportunities even in complex problems.

Cheng Yu

Dr. Cheng Yu is a leading expert in cold-formed steel. Dr. Yu’s main research interest is in advancing structures, materials, construction technology and design methodology for buildings and transportation systems.



LT



LABS

Autonomous System Laboratory & Communications and Signal Processing Laboratory

These two labs provide opportunities to research new ways of helping first responders in times of crisis. Through cellular networks or wi-fi, both labs use drones as a method of establishing connectivity and offer students an inside look at one of today's modern technologies.

Smart Nanobiomaterials and Nanomedicine Laboratory

This lab in biomedical engineering strives to understand and seek innovative solutions to pathologies of vascular, neuronal and bone tissues and organs, through biomaterials, biomechanics, tissue engineering, image analysis, cellular and molecular biology and nano-drug delivery.





Materials Research Facility

The MRF at UNT offers a wide array of sophisticated characterization and processing instruments that very few public institutions offer. The facility offers students the chance to fabricate, characterize, and analyze materials from the micro to the micro to the atomic level.

ZØE

The Zero Energy Laboratory is the first of its kind in Texas and is used to test various energy technologies that aim to achieve a net-zero consumption of Energy.

FACILITIES

Professional Development at UNT

You will be able to participate in professional development activities that make you more successful both as a student and as a professional, including:

- Workshops and sessions on writing a thesis or dissertation, jobs in academia and stress management
- Writing support through the Writing Center
- Funding to support travel to professional conferences

International Graduate Students

- Study with over 3,000 international students at UNT
- Get involved in any of the 39 international and cultural student organizations to connect with students from your home country and with students from many other backgrounds and countries





UNT is located in Denton, a progressive city of about 134,000 people just 36 miles north of Dallas and Fort Worth. The location provides a wealth of internships and job opportunities for College of Engineering students and graduates.

Organizations at UNT

- More than 18 engineering student organizations and societies to help you network with both students and employers
- Over 425 student organizations at UNT, ranging from special interest groups to volunteer-based organizations

Graduates at UNT

- Over 6,600 graduate students on campus
- Almost 600 graduate students in the College of Engineering to connect and collaborate with on projects

Notable Alumni:

- *Marc Whitten ('96)*, vice president and general manager, Amazon
- *Hakan Seylan ('12)*, senior research engineer, Netflix
- *Cesar Stastny ('04)*, director of development, Activision

"As a Cyber Security Engineer, I love helping clients design, implement, and test systems in ways that help them protect their customer's data. Knowing that I'm contributing to making our connected world safer gives me an intense feeling of satisfaction in my work. I've always liked to tinker and use things for unintended purposes. Now I get to use that mindset to make the world a safer place." – Jacen Kohler ('17), Computer Science and Engineering



AFTER

The College of Engineering has extensive relationships with industry partners that open doors for internships and full-time employment after graduation. Each semester, the Engineering and Computer Science Internship and Career Fair gives students and alumni an opportunity to interview with more than 90 companies.

Denton's location in the Dallas-Fort Worth area, which has the fourth highest concentration of Fortune 500 companies in the U.S., makes it easier for you to score the job you want.

The College of Engineering has more than 6,000 alumni, most of whom are in the North Texas region. Alumni also live in Atlanta, Denver, the greater Los Angeles area, the San Francisco Bay area and Seattle.



GRADUATION

NEXT STEPS



Graduate Admissions

Applicants to our programs usually begin the process 6-12 months prior to their first semester. The priority deadline for fall applicants who seek funding is January 15th and spring priority deadline generally September 15th.

Admission to graduate programs is determined by the department to which you apply. The steps to apply are below.

1. Review your program's admission requirements by visiting engineering.unt.edu/admissions/how-apply.
2. Submit your application through Apply Texas (applytexas.org) and pay \$75 application fee.
3. Submit your transcripts, GRE scores and other required documents to UNT Toulouse Graduate School. More info is online at tgs.unt.edu.
4. Submit additional documents, such as a resume or statement of purpose, by following the instructions online at engineering.unt.edu/admissions/how-apply.

ADMISSIONS + FUNDING



Cost

UNT offers the most affordable research university education in the state.

Texas residents:

- Estimated tuition and fees \$10,300/year for in-state
- Estimated tuition and fees \$17,800/year for out-of-state

To help you manage your personal finances, students can visit our award-winning Student Money Management Center.

Aid

Graduate students receive funding through teaching assistantships, research assistantships, scholarships, fellowships, and on-campus employment. In addition to monthly stipends, teaching and research assistants have opportunities to receive tuition and fee support and in-state tuition rates. Students who receive competitive UNT scholarships worth \$1,000 or more will receive in-state tuition rates.

Numbers

About 75 percent of UNT students receive scholarships and financial aid totaling more than \$350 million annually. To receive first consideration for awards, submit the FAFSA (Free Application for Federal Student Aid) and UNT General Scholarship Application in the fall.

QUESTIONS?

If you're applying as a graduate student, check the admissions requirements for your master's or doctoral degree program at engineerthefuture.unt.edu/admissions.

VISIT DISCOVERY PARK

engineerthefuture.unt.edu/tour
or 940-565-4300

APPLY FOR ADMISSION

engineerthefuture.unt.edu/apply

FOR MORE INFORMATION

940-565-4300

ABOUT UNT

Established in 1890, UNT is one of the nation's largest public research universities with 38,000 students. As a catalyst for creativity, UNT fuels progress, innovation and entrepreneurship for the North Texas region and beyond. Our programs are internationally recognized with research and scholarship spanning all disciplines. We offer 101 bachelor's, 82 master's and 38 doctoral degree programs.

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