Top 5 Things to Know about Us

1. With 11 active research faculty advisors who are nationally recognized and hold fellowships in many professional organizations.

2. We are about 13 years and rapidly growing over 1000 research and education.

3. Our students work on projects sponsored by DoD, DoE, NSF, and industry.

4. Our alumni can be found in key positions in some of the leading companies in Texas and around the world.

5. We aim to provide a high-quality education to our diverse student population through excellence and innovation in teaching and research in order to serve the scientific and engineering needs of the state of Texas and the nation.

UNT is a Tier One research university located in Denton, TX.

Faculty Spotlight

Haifeng Zhang, an associate professor in the Department of Mechanical and Energy Engineering, is part of a $1 million Department of Energy grant to develop and integrate a new sensor that will detect deviations from normal operating conditions in nuclear power plants.

95% of Ph.D. graduates are employed in academia, industry, and research organizations

7:1 Student to faculty ratio
Our Program
The University of North Texas’ Department of Mechanical and Energy Engineering offers course work leading to:

- Master of Science in Mechanical and Energy Engineering, requiring 30 (with Thesis) to 33 hours (without Thesis).
- Doctor of Philosophy in Mechanical and Energy Engineering, requiring 42 hours beyond MS and 72 hours beyond BS.
- Graduate Academic Certificate in Energy, requiring 15 credit hours.

Admission
Our graduate programs are open to high-achieving students from Mechanical Engineering backgrounds. Successful applicants to our programs should:

- Apply through www.applytexas.org.
- Submit transcripts demonstrating a GPA of at least 3.0 on previous university coursework if applying for MS and 3.5 if applying for PhD.
- Submit competitive GRE scores. Successful applicants typically score 155+ on the Quantitative section and 150+ on the Verbal section.
- Submit proof of English language proficiency (international students only). Acceptable scores are 79 on TOEFL and 6.0 on IELTS.
- Submit three letters of recommendation, a statement of purpose, and a resume.
- Take appropriate leveling courses if they have degrees outside of Mechanical Engineering.

Visit mee.unt.edu/future-graduate-students to learn more.

Funding Opportunities
Teaching and research assistantships provide support for many graduate students. In addition to a monthly stipend, assistantships also qualify students for in-state tuition rates, and many students receive tuition and fee support.

Scholarships are available to graduate students as well. The general scholarship deadline is March 1 of each year. The Department of Mechanical and Energy Engineering also offers scholarships to qualified students throughout the year. Apply and learn more at www.mee.unt.edu.

Contact Us
mee.unt.edu  |  mee@unt.edu  |  (940) 565-2400

Research Opportunities
Research and innovation are integral parts of the Department of Mechanical and Energy Engineering. Our departmental focus areas are Materials/Manufacturing/ Mechanics, Thermo/Fluids, Controls, and Energy. More specific research areas and labs are listed below.

- Smart Materials Laboratory
- Thermal Laboratory
- Small Scale Instrumentation Laboratory
- Composite Processing and Characterization
- Air Quality Research Laboratory
- Biosensing and Bioenergy Research
- Nanoscale Energy Transport Laboratory
- Computational Fluid Dynamics Laboratory
- Zero Energy Laboratory
- Phononic Crystal Based Ultrasonics Research

Student Spotlight
“I learned how to do research at UNT, and with this foundation, I have learned how to write research funding applications and how to guide graduate students.”

- Changlei Xia
Ph. D. 2016
Professor
Nanjing Forestry University