

# Materials Science & Engineering

## Top 5 Things to Know about Us

1. Our 20+ active faculty advisors are nationally recognized and hold fellowships in many professional organizations.
2. We have one of the most advanced analytical characterization facilities in the country that allows students to receive training on state-of-the-art equipment.
3. We welcome applicants with degrees in materials-related fields like physics, chemistry, and other engineering fields.
4. Our students work on DoD, DoE, NSF, and industrial-sponsored projects.
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.



**100%**

Job placement rate in academia, industry,  
and research organizations

**3:1**

Student to faculty ratio

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



## Faculty Spotlight

Dr. Diana Berman is an Assistant Professor of Materials Science and Engineering. Her research interests are tribology, carbon films, nanostructures, nanodevices, and radio frequency microelectromechanical systems.

**UNT**<sup>®</sup>

COLLEGE OF ENGINEERING  
Department of Materials  
Science & Engineering

## Our Program

The University of North Texas' Department of Materials Science and Engineering offers course work leading to:

- Master of Science in Materials Science and Engineering, requiring 32 to 35 hours
- Doctor of Philosophy in Materials Science and Engineering, requiring 42 hours beyond MS and 72 hours beyond BS.

## Admission

Our graduate programs are open to high-achieving students from engineering, technology, science, and math backgrounds. Successful applicants to our programs should:

- Apply through [www.applytexas.org](http://www.applytexas.org).
- Submit transcripts demonstrating a GPA of at least 3.0 on previous university coursework.
- Submit competitive GRE scores. Successful MS applicants typically score 155+ on the Quantitative section and 145+ on the Verbal section, and PhD applicants present scores of 160+ 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.

Visit [mtse.unt.edu/graduate/admissions](http://mtse.unt.edu/graduate/admissions) to learn more.

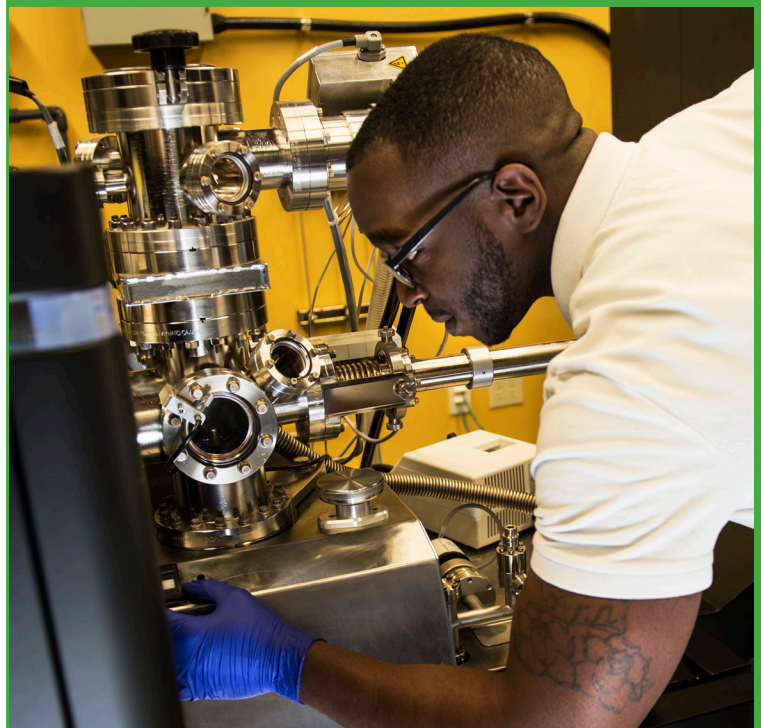
## Funding Opportunities

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 Materials Science and Engineering also offers scholarships to qualified students throughout the year. Apply and learn more at [www.mtse.unt.edu](http://www.mtse.unt.edu).

## Contact Us

[mtse.unt.edu](http://mtse.unt.edu) | [mtse@unt.edu](mailto:mtse@unt.edu) | (940) 565-3260



## Research Opportunities

Faculty and students in UNT's Department of Materials Science and Engineering are heavily involved in research and project-based learning initiatives. Some research areas studied in the department include:

- Advanced Metallic Materials Group
- Computational Materials Modeling Group
- Laboratory for Laser Processing of Materials
- Laboratory of Advanced Polymers and Optimized Materials
- Laboratory of Electronic Materials and Devices
- Laboratory for Laser Assisted Additive Manufacturing
- Nanomaterials and Devices Laboratory
- Materials Synthesis and Processing Laboratory
- Advanced Materials Manufacturing and Processes Institute
- Center for Advanced Scientific Computing and Modeling

## Student Spotlight

"Once I finished my Ph.D. and moved to this organization, my daily work is still strongly rooted in these fundamentals I learned from my time at UNT."

- Arun Devaraj  
Ph. D. 2011  
Senior Research Scientist  
Pacific Northwest National  
Laboratory

