Mechanical Engineering

College of Engineering Graduate Program

www.tntech.edu/engineering

Earn a Master of Science in mechanical engineering or a Ph.D. in engineering while pursuing research in one of our focus areas with knowledgeable faculty who value both scholarship and research.

Join a nationally recognized program

Tennessee Tech is a fully accredited university and is recognized as a doctoral university by the Carnegie Classification of Institutions of Higher Education.

Solve 21st Century global problems

Tech's Master of Science degree in mechanical engineering is a dynamic, state-of-the-art graduate program. Graduate students learn to develop solutions for issues related to process and product design, experimentation and analysis. Your professors will help you stay current with all the latest innovations within the discipline, and you will become familiar with the tools and technologies used by today's mechanical engineers.

Research Centers

College of Engineering research efforts are often conducted in collaboration with four research centers

- Center for Energy Systems Research (CESR)
- Center for Manufacturing Research (CMR)
- Center for the Management, Utilization and Protection of Water Resources (CWR)
- Cybersecurity Education, Research and Outreach Center (CEROC)

Research Opportunities

The mechanical engineering department offers outstanding opportunities in cutting-edge research with dedicated faculty. Faculty research interests include

- Acoustic and Vibrations
- Control Systems
- Designing Mechanical Systems
- Energy Harvesting
- Fluid Mechanics (CFD/Exp)
- Fuel Cell/Battery Materials and Systems
- Heating, Ventilation and Air Conditioning
- Internal Combustion Engine Controls and Emission
- Materials
- MEMS and Nanotechnology
- Robotics and Automation
- Thermal Science

Strategic Research Areas

Research goals are being implemented through our existing research centers and by continually refining and focusing our strategic research areas. These areas include, but are not limited to

- Advanced Manufacturing
- Biomolecular and Environmental Engineering and Science
- Energy Storage and Conversion
- Networking and Algorithms for Big Data
- Smart Grid
- Resilient Infrastructure

Faculty

Mechanical engineering faculty have years of industry and research experience, and represent a variety of research interest, opportunities and knowledge. A listing of department faculty is available at www.tntech.edu/engineering/departments/me/facultyandstaff

> **"All of the courses I have taken have been well taught and the material is more applicable as I continue in my career. I believe the courses and research have prepared me well for higher engineering positions within my company."**
>
> —M.E. Graduate Student Class of '16

Graduate Assistantships

A limited number of research and teaching assistant positions are available contingent upon funding.

Get started today!

Individuals interested in the Master of Science degree or Ph.D. in mechanical engineering can obtain additional information on the programs webpage www.tntech.edu/engineering/departments/me/graduate-program, or by emailing me@tntech.edu