college of
GRADUATE STUDIES

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MECHANICAL ENGINEERING

You can earn your master's degree in mechanical engineering from a distinctive research university surrounded by knowledgeable mentors who value both advanced scholarship and research. We'll work as hard as you do for your professional and personal goals in a competitive, technologically based society.

Mechanical Engineering at Tennessee Tech

Tennessee Tech's master of science degree in mechanical engineering is a dynamic, state-of-the-art graduate program. 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'll become familiar with the tools and technologies used by today's mechanical engineers.

Tennessee Tech's program isn't just mechanical engineering – it's interdisciplinary, incorporating concepts from chemistry, physics, mathematics, computer science, and biology. We're committed to your future, in which social, technological and economical challenges will require professional mechanical engineers to have a broad base of knowledge and experiences.

Graduates will be prepared to do work within a variety of industries, including energy and utilities, biotechnical, environmental, automotive, and fabrication. They may also choose higher education as a career path, and achieve their Ph.Ds

Research Opportunities

The mechanical engineering department offers outstanding opportunities in cutting-edge research for graduate students, including:

- MEMS and nanotechnology
- Internal combustion engines
- Fuel cells and batteries
- HAVC
- Robotics
- Energy harvesting

Tennessee Tech's research efforts are often conducted in collaboration with professionals from the university's three Centers of Excellence: Center for Manufacturing Research, Center for Energy Systems Research, and Center for the Management, Utilization and Protection of Water Resources.

Faculty

The College of Engineering's distinguished faculty members come from around the world and represent an amazing variety of research interests, networks, opportunities and knowledge. A listing of department faculty is available at www.tntech.edu/engineering/departments/me/facultyandstaff.

Graduate Assistantships

A limited number of teaching associate and teaching assistantship positions may be available. Both include paid tuition and fees, along with a monthly stipend in return for work teaching undergraduates. Responsibilities include, but are not limited to, assisting faculty with grading, teaching labs and providing help sessions for students.

A limited number of research assistantships may be available, contingent upon funding. Research assistants are expected to conduct specific research as directed by the funding grant and supervising faculty members.

A limited number of support assistantships may be available. These include paid tuition and fees, along with a monthly stipend. Support assistants' responsibilities include, but are not limited to, clerical functions and helping faculty members with necessary office and organizational tasks.

How to Get Started

Individuals interested in the master's degree in mechanical engineering can obtain additional information at the program's website or by emailing me@tntech.edu.

For more information, visit www.tntech.edu/engineering