college of
GRADUATE STUDIES

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CHEMICAL ENGINEERING

You can earn your master's degree in chemical engineering from a distinctive research university surrounded by energetic mentors who value both scholarship and research. We'll work as hard as you do for your professional and personal goals.

Chemical Engineering at Tennessee Tech

Tennessee Tech's master's in chemical engineering is a dynamic and flexible graduate program. Students learn to develop solutions for issues related to process and product technology. Your faculty 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 chemical engineers.

Tennessee Tech's program isn't just 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 business challenges will require professional chemical engineers to have a broad-base of knowledge and experiences.

Graduates will be prepared to do work regarding the design, operations and materials transformation within a variety of corporate entities, including biotechnical, petroleum, environmental, biomedical, pharmaceutical, food and beverage and others.

Research Opportunities

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

- Electric field-based processes and systems
- Nanoscale-based engineered materials and systems
- Biological-based processes and systems
- Computational mathematics and modeling
- Engineering education

Tennessee Tech's research efforts are closely conducted in collaboration with professionals from the three Centers of Excellence (Center for Manufacturing Research, Center for Energy Systems Research, and Center for the Management, Utilization and Protection of Water Resources), as well as the Oak Ridge National Laboratory.

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 chairs is available at www.tntech.edu/engineering/welcome/dept-chairs.

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 chemical engineering program can obtain additional information at the program's website or sending an email to engineering@tntech.edu.

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

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