Electrical and Computer Engineering

College of Engineering Graduate Program

www.tntech.edu/engineering

Earn a Master of Science in electrical and computer 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 electrical and computer engineering is a dynamic graduate program. Graduate students learn to develop solutions for real world problems with societal impact. 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 electrical and computer 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 electrical and computer engineering department offers outstanding opportunities in cutting-edge research with mentoring faculty. Faculty research interests include

- Computer engineering
- Communications and signal processing
- Devices and electromagnetics
- Digital systems
- Power
- Robotics, automation and controls
- Mechatronics

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

Strategic research areas are periodically updated in response to changing needs.

Faculty

Electrical and computer 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/ece/faculty-staff

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 electrical and computer engineering can obtain additional information on the programs webpage www.tntech.edu/engineering/departments/ece/graduate-program or by emailing ece@tntech.edu