Preparing you for a Global Future

- The Department of Electrical and Computer Engineering (ECE) is very research-active, with competitive awards of more than $7 million in 2019, representing more than $250k/per faculty member.
- Graduate students have opportunities for course work and research experience leading to masters and doctoral degrees in electrical engineering.
- The ECE Department has a number of very active research laboratories that are led by world renowned faculty and employ graduate as well as undergraduate students, providing outstanding educational experiences.
- Center for Pulsed Power & Power Electronics: The most prestigious university Pulsed Power Laboratory in the US, founder of the IEEE International Pulsed Power Conference.
- Nano-Photonics Center: World-class lab for advanced lasers, pioneering LED lighting, nuclear radiation detection and many other technologies with national impact.
- GLEAMM: Large laboratory with 10’s of millions of dollars in assets for integration of renewable energy technologies like Wind and Solar into the Electric Grid.
- Radar Systems Laboratory: Current research projects include non-contact physiological signal monitoring (heart-rate & breathing), locating humans in smoke filled rooms or after natural disasters, etc.
- MEMS Laboratory: Studies Micro-Mechanical Systems that use chip manufacturing techniques to create micro-actuators for an entire “Classroom on a Chip”, invented at TTU.
Advanced Degrees Offered

- Accelerated B.S./M.S.: Students complete both a Bachelor's and a Master's in 5 years. B.S. program is accredited by ABET
- Master's of Science in Electrical Engineering (Thesis or Non-Thesis)
- Doctorate in Electrical Engineering

Student Organizations

- Institute of Electrical and Electronics Engineers (IEEE)
- Women in Engineering (WIE)
- Eta Kappa Nu, Electrical Engineering Honor Society
- Tau Beta Pi, Engineering Honor Society
- Robo-Raiders

Careers

Almost every field today involves electrical and computer engineering, instrumentation and control. As an electrical or computer engineer, you have job opportunities in a very broad field ranging from traditional Electronics Companies, Semiconductor Design, Testing and Manufacturing to Utilities, Energy Companies, Telecommunication Companies, Defense Industry, National Labs, Aerospace companies and more.

Fall 2019 Job Placement and Info:

- 90% of graduating students had full time job offers prior to graduation
- Average salary: $90,000/year