Frank H. Dotterweich College of Engineering

Department of Electrical Engineering and Computer Science

M.S. in Electrical Engineering (MSEE)

Electrical Engineering (EE), is one of the fastest growing disciplines in science and engineering. Modern EE combines traditional electrical engineering with computer engineering, resulting in many new opportunities for electrical engineers. Some of these positions are in knowledge engineering, communications, chip design, computer vision, control systems, power systems, sensors and sensor networks, embedded systems and robotics. Our internationally recognized faculty are experts in their fields who have conducted research in a broad spectrum of fundamental areas of electrical and computer engineering and applied computer science. Coupled with our state-of-the-art laboratories and funded research, our students are provided with opportunities to perform cutting-edge research and publish their findings in reputable journals.

Our Program

Non-thesis Track
Available to students who desire an industry-oriented degree, and who may be attending school part-time while working.

Requirements:
- EEEN 5305 (3 semester credit hours, graduate research project)
- 11 graduate courses (total of 33 semester credit hours)
- Oral comprehensive final exam
- Project defense

Thesis Track
Recommended for students who are planning a career in corporate or academic research, design and development, and who may plan to pursue a Ph.D.

Requirements:
- EEEN 5306 (6 semester credit hours, graduate research project)
- 8 graduate courses (total of 24 semester credit hours)
- Oral comprehensive final exam
- Thesis defense

Specializations
- Communication
- Signal Processing
- VLSI
- Micro and Nano Electronics
- Control Systems and Robotics

Department assistantships and scholarships are available for qualified students.

For more information, email gradschool@tamuk.edu