The University of Texas at San Antonio department of Electrical & Computer Engineering Master’s of Science degree in Electrical Engineering is designed to offer students the opportunity to prepare for leadership roles in careers with industry, government, or educational institutions. Our graduates include recent undergraduates seeking more in depth focus, industry engineers who want to advance in their careers, as well as professionals from other areas of expertise seeking knowledge of the electrical engineering field.

Requirements

- A bachelor's degree in electrical engineering or in related fields from exceptional candidates
- A minimum grade point average of 3.0 in the last 60 semester credits hours
- Submission of the Graduate Record Examination (GRE) is optional but recommended for consideration of competitive scholarships
- Students who native language is not English must achieve a minimum score of 60 on the Test of English as a Foreign Language (TOEFL) paper version, 79 on the TOEFL iBT, or 6.5 on the International English Language Testing System (IELTS)

All incoming MS students will be automatically considered for a competitive scholarship, and if awarded will be qualified for in-state tuition (about 1/3 of out-of-state tuition).

Concentrations

The program has emphases in five concentrations: Computer Engineering, Systems and Control, Digital Signal Processing, Communications, and Electronic Materials and Devices.

A thesis option is offered for students who want the opportunity to obtain expertise in research and who may be interested in pursuing a doctoral degree in electrical engineering. A non-thesis option is available for students who want a practical industrial applications-oriented degree.

New Research Areas

- Autonomous Systems
- Bioinformatics
- Robotics
- 5G
- Smart Grid
- Internet of Things (IoT)
- Wearable Devices
- Augmented Devices
- Nano Technology
- Renewable Energy
- Cognitive Technology
- Computational Biology