Program Description

The Master of Science in Electrical Engineering degree program prepares students for leadership roles in research, development and design careers that require skillful and imaginative solutions to complex engineering problems. The program allows students to choose from five specialized concentrations-- circuits, computing systems, devices, power electronics and energy systems, and signals and systems—and it provides a comprehensive, rigorous preparation for professional practice both established and emerging areas of electrical engineering.
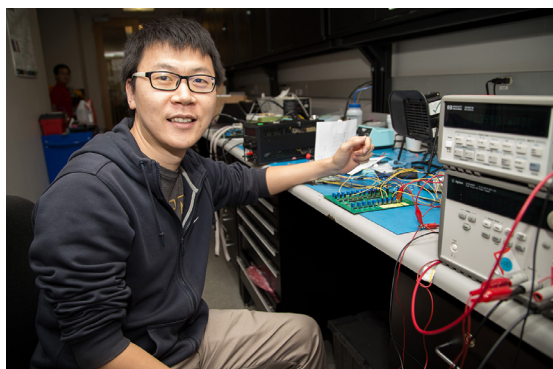
Led by world-class faculty—and with a flexible curriculum that serves the needs of both full-time students and working professionals—the master's program in Electrical Engineering provides many research opportunities for students in specialties as varied as:

- Communications and signal processing
- Mixed-signal integrated circuit design
- Digital systems
- Power electronics, microelectronics and nanoelectronics
- Optics and optoelectronics
- Light-wave devices and systems
- Radio frequency and microwave systems
- VLSI design
- Power electronics and renewable energy
- Vehicular technology, control theory and robotics

Benefits

- *World-Class Faculty*: The program is led by faculty of the Erik Jonsson School of Engineering and Computer Science who are widely cited experts in their respective fields, many of whom also have professional industry experience.
- *Comprehensive Curriculum*: Courses in the Electrical Engineering master's program will introduce students to new ideas, technologies, and competencies while also teaching them the skills they'll need to thrive in competitive, ever-changing industries.
- *Specialized Concentrations*: Students have the opportunity to choose from numerous concentrations based on their particular interests and career aspirations.
- *Facilities*: Jonsson School facility resources now include one of the largest project design studios in the country, as well as a Makerspace area for creative pursuits. Three buildings on campus are dedicated to engineering and computer science: ECS South, North and West, as well as collaborative research spaces in the Bioengineering and Sciences building, the Edith O'Donnell Arts and Technology building and the Natural Science and Engineering Research Laboratory.
- *Convenience*: With both daytime and evening classes, the program provides flexible coursework options for everyone, including students employed on a full-time basis.
- *Location*: Situated in the greater Dallas region—recently rated by *Forbes* magazine as the #1 "Best City for Jobs"—UT Dallas provides students with easy access to employers and internship opportunities, not to mention a large and supportive alumni population.

Career Opportunities

Graduates of the Electrical Engineering master's program have gone on to pursue professional

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careers in a wide variety of fields. Some of the most popular fields include:

- Electrical Engineering
- Electrical Design Engineering
- Circuits and Design Engineering
- Communications and Signal Processing
- Digital Systems Engineering
- Systems Engineering
- Radio-frequency and Microwave Engineering

Application Requirements

Please take note of all application deadlines and visit the Apply Now webpage to begin the application process. See the Electrical Engineering degree program webpage for additional information.

Applicants to the Electrical Engineering master's degree program should have:

- An undergraduate preparation equivalent to a baccalaureate in electrical engineering from an accredited engineering program. Students from other engineering disciplines or from other areas of science or mathematics may be considered for admission; however, additional coursework may be necessary to complete the graduate program.
- A grade point average (GPA) in upper-division quantitative coursework of 3.0 or better on a 4.0 point scale.
- GRE Test Scores: GRE revised scores of 154 (verbal), 156 (quantitative), and 4 (analytical writing components) are advisable based on the program's student success outcomes. Scores must be no more than five years old by date of application.
- Letters of Recommendation: Applicants must submit three letters of recommendation from individuals able to judge the candidate's potential for success in the master's degree program.
- Admissions Essay: Applicants must submit an essay outlining the candidate's background, education, and professional goals.
- International applicants must submit a TOEFL score of at least 80 on the internet-based test. Scores must be less than two years old. See the Graduate Catalog for additional information regarding English proficiency requirements for international applicants.