Program Description
The Master of Science in Computer Engineering program prepares students for leadership roles in research, development and design positions that require the use of skillful and imaginative solutions to engineering problems. Studying with top-tier faculty, students will develop expertise in both software and hardware development while also specializing in an area of their choice.

The program offers courses and research opportunities in a wide variety of computer engineering subfields, including:

- Operating systems and computer architecture
- Computer graphics
- Pattern recognition
- Artificial intelligence and machine learning
- Embedded systems
- Computer networks and software systems
- Analysis of algorithms
- Parallel processing
- VLSI and computational geometry
- Design automation
- Cybersecurity and information assurance
- Data science

Benefits
The Computer Engineering master's program provides students with an education tailored for professional practice in computer engineering. Students in the program benefit from:

- **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.
- **Facilities and Infrastructure**: UT Dallas maintains a large network of computer facilities, including faculty laboratories and specialized computers for research within the Computer Engineering program.
- **Comprehensive Curriculum**: Courses in the Computer 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.
- **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 UT Dallas’ Computer Engineering master’s program have gone on to pursue professional careers in a wide variety of fields. Some of the most popular fields include:

- Software Design Engineering
- Computer Engineering
- Hardware Design Engineering
- Systems Consulting

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** Marketable Skills**

Upon successful completion of the MS in Computer Engineering, graduates will be able to enter the workforce with the following skills:

- Broad understanding of Computer Engineering
- Expertise in current technology of Computer Engineering
- Ability to design, conduct, analyze and communicate Computer Engineering experiments
- Ability to create effective solutions to current Computer Engineering problems

**Application Deadlines and Requirements**

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

Applicants to the Computer Engineering master’s degree program should have:

- An undergraduate preparation equivalent to a baccalaureate in computer engineering from an accredited engineering program. Students from other engineering disciplines or from other areas of science or mathematics may be considered for admission to the program; however, additional coursework may be required 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.
- Letters of Recommendation: Applicants must submit three letters of recommendation from individuals able to judge the candidate’s probability of success in pursuing master’s study.
- 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.
- Students lacking undergraduate preparation in computer science may need to complete additional coursework. See the Graduate Catalog for additional information.