

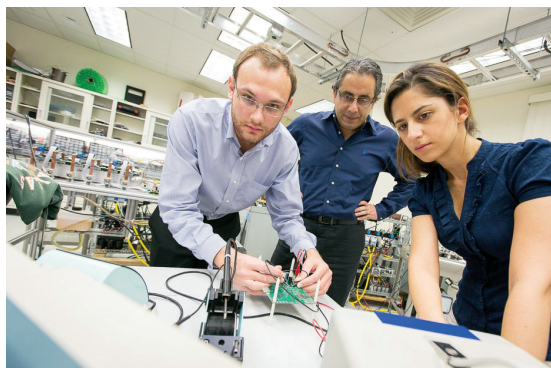
Erik Jonsson School of Engineering and Computer Science

Master of Science in Mechanical Engineering



Program Description

The Master of Science in Mechanical Engineering program prepares talented students and career professionals for exciting careers in automotive, aerospace, energy, robotics, bioengineering and nanotechnology industries. Students in the program train with world-class faculty and have the opportunity to develop expertise in micro-scale and nanoscale mechanical and thermal design and development as well as additional specialties and subfields: dynamic systems and controls, manufacturing and design innovation, mechanics and materials, or thermal and fluid sciences.



With a flexible curriculum that accommodates the needs of both full-time students and working professionals, the Mechanical Engineering program prepares its graduates to serve as technical specialists and leaders in corporate, industrial, and governmental careers.

Benefits

The Mechanical Engineering master's program provides students with an education tailored for professional practice in mechanical 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.
- *Comprehensive Curriculum:* Courses in the Mechanical Engineering master's program will introduce students to new ideas, technologies, and competencies while teaching them the skills they'll need to thrive in competitive, ever-changing industries. Students also develop practical solutions to real-world problem through capstone design projects.
- *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 Mechanical Engineering master's program have gone on to pursue professional careers in a wide variety of fields. Some of the most popular fields include:

- Mechanical Engineering
- Design Engineering
- Manufacturing Engineering
- Systems Engineering
- Research & Development (R&D)
- Product/Process Engineering
- Project Engineering
- Consulting Engineering
- Application/Sales Engineering

Contact Information

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Marketable Skills

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

- Identify mechanical engineering problems
- Conceptualize and develop solutions to engineering problems
- Communicate effectively with nontechnical stakeholders
- Deliver project reports and presentations

Application Deadlines and Requirements

Graduates of the program seek positions such as: Mechanical Engineer; Design Engineer; Manufacturing Engineer; Systems Engineer; R&D specialist; Product/Process Engineer; Project Engineer, Consulting Engineer and Application/Sales Engineer.

Marketable Skills

Please take note of all application deadlines and visit the Apply Now webpage to begin the application process.

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

- A bachelor's degree in engineering or one of the natural sciences from an institution of higher education in the U.S. or from a comparable institution abroad.
- 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 150 (verbal), 160 (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 potential for success in the master's degree program.
- Admissions Essay: Applicants must submit an essay outlining their background, education, and professional goals.
- A resume.
- 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.

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