

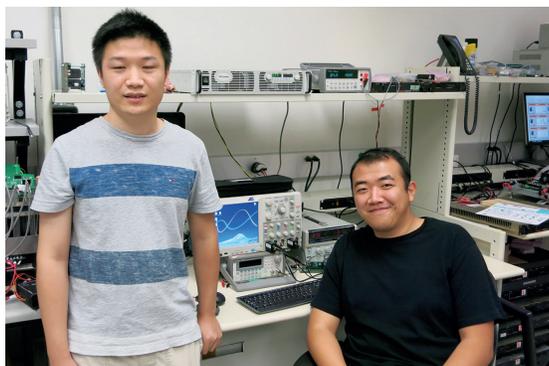
# Erik Jonsson School of Engineering and Computer Science

Master of Science in Computer Engineering



## Curriculum

The MS 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. Students who have earned a BS degree may apply to the MS in Computer Engineering program. The CE curriculum calls for a balanced knowledge of both algorithm/software and circuitry/hardware. The program has been carefully designed for students to gain breadth of knowledge in software and hardware development, and it is flexible enough for students to specialize in the area of their choice.



Courses and research are offered in a variety of subfields of computer engineering, including operating systems, computer architecture, computer graphics, pattern recognition, artificial intelligence, machine learning, embedded systems, computer networks, software systems, analysis of algorithms, parallel processing, VLSI, computational geometry, design automation, cyber security, information assurance and data science.

The university maintains a large network of computer facilities, including PCs, Unix work stations and specialized computers for research within the program and faculty laboratories. The Jonsson School has developed a state-of-the-art information infrastructure consisting of a wireless network in all buildings and an extensive fiber-optic Ethernet.

## Career Options

Graduates of the program seek positions such as: Software Design Engineer, Computer Engineer, Hardware Design Engineer, and Systems Consultant for public and private sectors. CE graduates find employment in local, national and international enterprises.

## Degree Program

The MS in Computer Engineering requires the completion of a minimum of 33 semester credit hours. Both thesis and non-thesis options are available and can be pursued in full-time or part-time basis.

## Financial Support

Various financial supports are available to qualified MS students, including Teaching and Research Assistantships, fellowships and scholarships. MS students who have been offered teaching or research assistantship are expected to pursue the thesis option under a faculty's guidance.

## Internships

The Jonsson School operates one of the largest internship and cooperative education program of its kind, averaging more than 1,200 undergraduate and graduate placements a year at high-technology companies including Texas Instruments, Intel, Raytheon, IBM, Amazon, Apple and Google. A large number of MS students apply and work in companies as an intern after two semesters in their MS program.

For complete admission and degree requirements, view the Graduate Catalog at [catalog.utdallas.edu](http://catalog.utdallas.edu).

## Contact Information

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