

THE FIRST TWENTY YEARS: A short but fearless history of the Jonsson School

The history of the Jonsson School is short—just 20 years.

There are many models for creating a school of engineering and computer science. UTD didn't follow any of them.

- Rather than starting with an undergraduate program that led to the offering of graduate degrees, UTD started upside down as the Graduate Research Center of the Southwest.
- Rather than being created by an act of the legislature, UTD's genesis was from the founders of Texas Instruments, because they recognized the need to have a much larger supply of quality engineers and computer scientists.
- Rather than starting with the full spectrum of traditional engineering disciplines—civil, mechanical, industrial and others—the Jonsson School started with only two: electrical engineering and computer science.

So how did all this contrariness, or trailblazing, work out?

- For the second year in a row, UTD conferred the most computer science degrees in the nation—at the B.S., M.S. and Ph.D. levels combined—according to data from the American Society of Engineering Education.
- UTD ranks fourth in the nation for degrees awarded in electrical engineering and computer science at the B.S., M.S. and Ph.D. levels.
- UTD also ranks first in the total number of computer science degrees awarded to women and second in the number of female tenured/tenure-track computer science faculty members within an engineering school.
- While more "comprehensive" engineering schools have six, seven or even more departments, the Jonsson School has only two departments at present: electrical engineering and computer science. Despite that, the Jonsson School, according to the ASCE data, ranked

46th in the nation in the number of bachelor's degrees, 22nd in the number of master's degrees and 75th in the number of doctoral degrees conferred.

- Year after year, incoming UTD students have the highest SAT scores of any public university in Texas.
- The Jonsson School offers degree programs in electrical engineering, computer science, computer engineering, software engineering, materials science & engineering and telecommunications engineering—the nation's first ABET-accredited telecom engineering degree program.
- And, from nanotechnology and human language technology to micro-electromechanical systems and cybersecurity, researchers are addressing the hottest—and coolest—challenges of our time.

Impressive achievements for a 20-year old school, by any standards.

And the best is yet to come.

In a remarkable act of fearlessness, the State of Texas, Texas Instruments, The University of Texas System and private sources are funding a \$300 million research initiative to take the Jonsson School to the next level by building new facilities, adding twenty-five endowed chairs and significantly increasing graduate fellowships to attract even more top talent.

The Jonsson School's short-term goals are to double the size of the faculty, double the size of the student body and provide quality education and research more than sufficient to become widely recognized as one of the nation's top schools.

The Jonsson School is making history... FEARLESSLY. Join us.

UNDERGRADUATE DEGREES

BACHELOR OF SCIENCE

Computer Science (BS)
Software Engineering (BSSE)
Electrical Engineering (BSEE)
Telecommunications Engineering (BSTE)

GRADUATE DEGREES

MASTER OF SCIENCE

Computer Science
Computer Engineering
Computer Science (Software Engineering)
Electrical Engineering

Electrical Engineering (Telecommunications)

Electrical Engineering (Microelectronics)
Telecommunications Engineering
Materials Science & Engineering

DOCTOR OF PHILOSOPHY

Computer Science
Electrical Engineering
Computer Engineering
Software Engineering
Telecommunications Engineering
Materials Science & Engineering