
Leading the Tech Revolution

The future of engineering will be very different. The way we educate engineers and computer scientists will change. The disciplines necessary to the future of engineering are going to look very different from those we have today and they will be intricately interconnected.

There are no models.

Fearless engineering prepares for what is not yet invented. Or imagined. It anticipates what could be and builds the infrastructure to support it. It leads change. It leads the revolution in engineering.

Since its founding in 1986, the Jonsson School has been committed to world-class education and breakthrough research. In twenty short years, the school has had some remarkable achievements:

- For the second year in a row, UTD confers the most computer science degrees in the nation—at the B.S., M.S., and Ph.D. levels combined, according to the *American Society of Engineering Education* data.
- UTD ranks fourth in the nation when you combine all degrees awarded in electrical engineering and computer science.
- 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.
- 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-electrical-mechanical systems and cybersecurity, researchers are addressing the hottest—and coolest—challenges of our time.

Impressive achievements for a twenty-year old school, by any standards. And the best is yet to come.

To help ensure the future economic life of North Texas, the State of Texas, Texas Instruments, The University of Texas System and private sources are funding a \$300 million research initiative to make the Jonsson School even stronger by building a new \$85 million Natural Science & Engineering Research Laboratory, adding endowed chairs, and significantly increasing graduate fellowships to attract even more top talent.

The research of the Jonsson School faculty and their students is a fundamental part of creating the world-class engineering school crucial to the future of Texas and the nation. In the following pages you'll see how UTD's Jonsson School faculty, along with their students, are tackling some of the most interesting challenges of tomorrow and you'll see how engineering and computer science are evolving.

The Jonsson School is proving itself a leader in the tech revolution. Join us.



Dr. Bob Helms
Dean of Engineering and Computer Science

Natural Science & Engineering Research Building

UTD's new 192,000-square foot interdisciplinary research laboratory will house world-class laboratories and support facilities for research in electrical engineering, materials science, behavioral and brain sciences, chemistry, biology, and physics. The \$85 million building is designed to enhance collaborative, interdisciplinary research and will open in late 2006.

