

## LEADERSHIP

Matthew Mench, Interim Dean

## ABOUT THE COLLEGE

Since 1838, the Tickle College of Engineering has proven its commitment to excellence in scientific research and graduating engineering professionals. Programs spanning most major fields are offered, with two nationally ranked in the top 25 and several others among the top 30 of all public institutions. Many of our graduates have risen to top positions in industry, government, and academia, including nine astronauts who have literally risen, spending a collective 1,000 days (and counting!) in space.

## QUICK FACTS

- Ranked 31st among public programs of engineering (*U.S. News & World Report*, 2019)
- 33% growth in PhD enrollment since 2012—one of the fastest-growing PhD programs in the nation
- Three new buildings since 2012, with a fourth—the Gateway to Engineering—under construction (to open in 2021)
- \$85M annual research expenditures
- 27,000+ alumni worldwide

## OUTSTANDING FACULTY

- 168 tenure-line, 23 lecturers/professors of practice, and 30 research faculty
- 5 NAE and NAI members; 12 UT-ORNL Governor's Chairs; 2 Distinguished Scientists; and 48 endowed chairs, endowed professorships, and faculty fellows
- 17 Early Career Awardees (NSF, DoE, DARPA, and ARO) since 2016

## GRADUATE DEGREES OFFERED

### MS Degrees

Aerospace Engineering  
Biomedical Engineering  
Biosystems Engineering\*  
Chemical Engineering  
Civil Engineering  
Computer Engineering  
Computer Science  
Electrical Engineering  
Engineering Science  
Environmental Engineering  
Industrial Engineering  
Materials Science & Engineering  
Mechanical Engineering  
MS-MBA Program  
Nuclear Engineering  
Reliability & Maintainability Engr.

\* Offered through the Herbert College of Agriculture

\*\* In conjunction with the Bredesen Center for Interdisciplinary Research & Graduate Education

### PhD Degrees

Aerospace Engineering  
Biomedical Engineering  
Biosystems Engineering\*  
Chemical Engineering  
Civil Engineering  
Computer Engineering  
Computer Science  
Data Science & Engineering\*\*  
Electrical Engineering  
Energy Science & Engineering\*\*  
Engineering Science  
Industrial Engineering  
Materials Science & Engineering  
Mechanical Engineering  
Nuclear Engineering



## ESTIMATED COST OF ATTENDANCE

Academic Year 2018–2019

Includes tuition, fees, books, room, and board

In-State Student	\$28,486
Out-of-State Student	\$46,904
Engineering Fee (per semester hour)	\$65

Additional special course fees may apply.

[onestop.utk.edu/tuition-fees](http://onestop.utk.edu/tuition-fees)

Approximately 80 percent of full-time graduate students receive tuition waivers and stipends from UT through assistantships.

[gradschool.utk.edu/graduate-student-life/costs-funding](http://gradschool.utk.edu/graduate-student-life/costs-funding)

## DEGREES GRANTED

Academic Year 2018–2019

Bachelor of Science	638
Master of Science	217
Doctor of Philosophy	110
<b>Total</b>	<b>965</b>

## ENROLLMENT

Fall 2019

Undergraduate	3,488
Graduate	1,155
MS	401
PhD	714
Female	22%
Multicultural students	8%
<b>Total</b>	<b>4,603</b>

## DISTANCE EDUCATION

The college provides select graduate degrees and certificates online without having to attend instructional sessions in a traditional setting. Consult individual departments for details.

[tickle.utk.edu/distance](http://tickle.utk.edu/distance)

## ADMISSION REQUIREMENTS

Must have a bachelor's degree from an accredited institution and a 2.7 out of a possible 4.0 GPA. Contact departments for specific additional application or program requirements. International applicants whose native language is not English must submit TOEFL or IELTS test scores to be fully admitted.

[gradschool.utk.edu/admissions](http://gradschool.utk.edu/admissions)

## GET IN TOUCH

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[linkedin.com/schools/utk.tce](https://www.linkedin.com/schools/utk.tce)

[youtube.com/c/UTTickleCollegeofEngineering](https://www.youtube.com/c/UTTickleCollegeofEngineering)



## DIVERSITY INITIATIVES

The college is dedicated to increasing the number of underrepresented students (African Americans, Hispanics, Alaskan Natives, Pacific Islanders, Native Americans, and women) who graduate from UT with engineering degrees.

### National GEM Consortium

UT is a proud member of the National GEM Consortium, which works to increase the participation of underrepresented groups at the master's and doctoral levels in engineering and science. GEM develops funding to award fellowships and builds mentor networks to support fellows in achieving academic and professional success. [gemfellowship.org](http://gemfellowship.org)

### Women in Engineering

The college actively encourages female students to develop and focus their interests in engineering through peer, faculty, and alumni networking, mentoring and support programs, professional development, and leadership training. [tickle.utk.edu/women](http://tickle.utk.edu/women)

## PREMIER RESEARCH FACILITIES

UT is designated by the Carnegie Foundation as a Research University with Very High Research Activity. Over the past several years, research in the college has grown by leaps and bounds with increases in funding, leadership positions, and new facilities as well as significant growth in PhD student involvement. [tickle.utk.edu/research](http://tickle.utk.edu/research)

## UT SPACE INSTITUTE

Located in Tullahoma, Tennessee, UTSI provides a unique blend of facilities for large-scale aviation research, including a high-speed wind tunnel, propulsion laboratory, large vacuum chamber, and high-temperature combustion facility. [www.utsi.edu](http://www.utsi.edu)

## OAK RIDGE NATIONAL LABORATORY

The decades-long UT-ORNL partnership links complementary expertise and resources to provide unparalleled research and education opportunities through shared faculty and facilities and direct research funding in excess of \$12M.

Collaborative efforts include the Governor's Chair, Distinguished Scientist, and Joint Faculty programs as well as the Bredesen Center for Interdisciplinary Research and Graduate Education. Facilities available to TCE faculty and students include the Spallation Neutron Source, High Flux Isotope Reactor, and Manufacturing Demonstration Facility.

### Joint UT-ORNL Governor's Chair Program

This program has brought more than a dozen world-renowned researchers to the college, positioning both institutions as thought leaders in several fields. The funding brought in by these professors is measured in the tens of millions, while the research done under their watch has elevated the intellectual capacity of UT and benefited doctoral, graduate, and undergraduate students through research opportunities. [govchairs.utk.edu](http://govchairs.utk.edu)

### Bredesen Center for Interdisciplinary Research and Graduate Education

The Bredesen Center unites resources from UT and ORNL to promote advanced research and provide innovative solutions to global challenges in energy, engineering, and computation. The center offers PhD degrees in energy science and engineering and data science and engineering. [bredesencenter.utk.edu](http://bredesencenter.utk.edu)

### Joint Institute for Advanced Materials

JIAM is an interdisciplinary faculty community focused on creating novel quantum materials, advanced functional materials, and next-generation soft polymers. [jiam.utk.edu](http://jiam.utk.edu)