

## MS DEGREES OFFERED

- › 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 Engineering

## PhD DEGREES OFFERED

- › 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

\* Offered through the Herbert College of Agriculture

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

## LEADERSHIP

**Matthew M. Mench**, Dean and Wayne T. Davis Dean's Chair

## ABOUT THE COLLEGE

Since 1838, the Tickle College of Engineering has proven its commitment to excellence in scientific research and graduating engineering professionals. The college offers programs across eight departments, with two programs 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 **38<sup>th</sup>** (undergrad) and **35<sup>th</sup>** (graduate) for public programs of engineering *U.S. News & World Report, 2023*
- › **33%** growth in PhD enrollment since 2012—one of the fastest growing PhD programs in the nation
- › **Four** new buildings since 2012, including the Zeanah Engineering Complex, which opened August 2021
- › **\$99.5M** annual research expenditures
- › **21,000+** alumni worldwide

## OUTSTANDING FACULTY

- › 185 tenure-line, 32 lecturers/professors of practice, and 35 research faculty
- › 2 National Academy of Engineering members; 10 UT-ORNL Governor's Chairs; 1 Distinguished Scientist; and 48 endowed chairs, endowed professorships, and faculty fellows
- › 21 Early Career Awardees (NSF, DoE, DARPA, and ARO) since 2016

## 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. [tickle.utk.edu/admissions](http://tickle.utk.edu/admissions)



## DEGREES GRANTED

Academic Year 2021-2022:

Bachelor of Science	<b>689</b>
Master of Science	<b>211</b>
Doctor of Philosophy	<b>105</b>
<b>Total</b>	<b>1,005</b>

## ENROLLMENT

Fall 2022:

<b>Undergraduate</b>	<b>3,716</b>
<b>Graduate</b>	
└ MS	448
└ PhD	735
└ Women	25.3%
└ Multicultural Students	8.2%
<b>Total</b>	<b>4,899</b>

## ESTIMATED COST OF ATTENDANCE

Academic Year 2022-2023

Includes tuition, fees, books, room, and board

└ In-state student	\$28,658
└ Out-of-state student	\$47,076
Engineering fee (per semester hour)	\$115

Additional special course fees may apply. [onestop.utk.edu/tuition-detail](http://onestop.utk.edu/tuition-detail)

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)

## 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)

## GET IN TOUCH

Office of Academic and Student Affairs  
456 Zeanah Engineering Complex | 863 Neyland Drive, Knoxville, TN 37902  
Phone: 865-974-2454 | Web: [tickle.utk.edu](http://tickle.utk.edu) | Email: [tce@utk.edu](mailto:tce@utk.edu)

## CONNECT ON SOCIAL

# EXPLORE OUR CAMPUS



## LIVING IN KNOXVILLE

Knoxville is a thriving Southern city known for its festivals, great outdoors, diverse music scene, and wide variety of eateries. UT's campus is less than an hour from the Great Smoky Mountain National Park and is home to an urban wilderness which boasts 1,000 forested acres with lake and river access.

[utk.edu/aboutut/knoxville](http://utk.edu/aboutut/knoxville)

## 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.

[utsi.edu](http://utsi.edu)



# DIVERSITY & INCLUSIVITY 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.

## ENGINEERING DIVERSITY PROGRAMS

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 PROGRAMS

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)

## OUR PARTNERSHIP WITH OAK RIDGE NATIONAL LAB

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)

## Institute for Advanced Materials and Manufacturing

IAMM is an interdisciplinary faculty community focused on creating novel quantum materials, advanced functional materials, and next-generation soft polymers.

[iamm.utk.edu](http://iamm.utk.edu)