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. 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 32nd among public programs of engineering (U.S. News & World Report, 2022)
• 30% growth in PhD enrollment since 2012—27th largest PhD program among public schools of engineering
• Four new buildings since 2012, including the Zeanah Engineering Complex, which opened August 2021
• $85M annual research expenditures
• 29,000+ alumni worldwide

OUTSTANDING FACULTY
• 183 tenure-line, 26 lecturers/professors of practice, and 37 research faculty
• 3 NAE members; 10 UT-ORNL Governor’s Chairs; 1 Distinguished Scientist; and 41 endowed chairs, endowed professorships, and faculty fellows
• 21 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.

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
Environmental Engineering
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

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

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

DEGREES GRANTED
Academic Year 2020–21
Bachelor of Science 679
Master of Science 193
Doctor of Philosophy 111
Total 983

ENROLLMENT
Fall 2019
Undergraduate 3,529
Graduate 1,149
MS 421
PhD 728
Female 24%
Multicultural students 7%
Total 4,678

GET IN TOUCH
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tickle.edu • tcdeen@utk.edu

gradschool.utk.edu/admissions

onestop.utk.edu/tuition-fees

gradschool.utk.edu/graduate-student-life/costs-funding

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

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

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

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

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

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

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. jiam.utk.edu