

LEADERSHIP

Janis Terpenney, 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 33rd (undergraduate) and 31st (graduate) for public programs of engineering (*U.S. News & World Report*, 2019)
- Undergraduate-student-to-faculty ratio of 19:1
- Three new buildings since 2012, with a fourth—the Gateway to Engineering—under construction (to open in 2021)

DEGREES GRANTED

Academic Year 2018-19

| | |
|----------------------|------------|
| Bachelor of Science | 638 |
| Master of Science | 217 |
| Doctor of Philosophy | 110 |
| Total | 965 |

ENROLLMENT

Fall 2019

| | | |
|------------------|--------------|-------|
| Undergraduate | 3,488 | (75%) |
| Male | 2,689 | (77%) |
| Female | 799 | (23%) |
| African-American | 156 | (4%) |
| Other minorities | 409 | (12%) |
| Graduate | 1,115 | |
| Total | 4,603 | |

MAJORS GUIDE

Visit tickle.utk.edu/advising/info for the most recent curricula for all engineering degrees offered by the college.

ADMISSION REQUIREMENTS

Minimum standards: A Success Prediction Indicator number of 60 and a math ACT of 25 or a math SAT of 590 (if taken after March 2016). enr.utk.edu/future-students/admission-requirements

ESTIMATED COST OF ATTENDANCE

Academic Year 2019-2020

| | |
|-------------------------------------|----------|
| Undergraduate in-state student | \$26,344 |
| Undergraduate out-of-state student | \$44,764 |
| Engineering fee (per semester hour) | \$65 |

onestop.utk.edu/tuition-fees

SCHOLARSHIPS & FINANCIAL AID

Hope Scholarship

Available to in-state students with a minimum 21 ACT (980 old SAT or 1060 new SAT) or an overall weighted minimum 3.0 GPA. onestop.utk.edu/scholarships/hope

Other Scholarships and Financial Aid

onestop.utk.edu/scholarships



UNDERGRADUATE DEGREES OFFERED

| | |
|-------------------------|---------------------------------|
| Aerospace Engineering | Computer Science |
| Biomedical Engineering | Electrical Engineering |
| Biosystems Engineering* | Industrial Engineering |
| Chemical Engineering | Materials Science & Engineering |
| Civil Engineering | Mechanical Engineering |
| Computer Engineering | Nuclear Engineering |

ENGINEERING DEPARTMENTS

Biosystems Engineering & Soil Science*
Chemical & Biomolecular Engineering
Civil & Environmental Engineering
Electrical Engineering & Computer Science
Industrial & Systems Engineering
Mechanical, Aerospace & Biomedical Engineering
Materials Science & Engineering
Nuclear Engineering

bess.utk.edu
cbe.utk.edu
cee.utk.edu
eecs.utk.edu
ise.utk.edu
mabe.utk.edu
mse.utk.edu
ne.utk.edu

*In conjunction with the Herbert College of Agriculture

OUTSTANDING FACULTY

The college has world-renowned experts and researchers spanning multiple disciplines, including four National Academy of Engineering members; one Distinguished Scientist; two Distinguished University Professors; 12 UT-ORNL Governor's Chairs; 43 endowed faculty, professorships, and faculty fellows; three named professors of practice; and the Wayne T. Davis Dean's Chair.

GET IN TOUCH

OFFICE OF ACADEMIC AND STUDENT AFFAIRS

101 Perkins Hall, Knoxville, TN 37996

Main: 865-974-2454

Academic and Student Affairs: 865-974-2454

Engineering Advising: 865-974-4008

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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)

ACADEMIC SUPPORT PROGRAMS

Stoneking engage Engineering Fundamentals Program

Freshman students admitted to the college are automatically enrolled in this innovative program that integrates a cutting edge, success-oriented approach to first-year engineering education. The curriculum is built around teamwork and dynamic hands-on activities.

engage.utk.edu

Cook Grand Challenge Honors Program

Provides robust intellectual challenges and opportunities for broader experiences to prepare graduates who will be highly competitive and ready to solve the grand challenges of the future. Admission is by invitation from the dean.

honors.tickle.utk.edu

Engineering Advising Services

Works with students to cocreate individualized, well-rounded academic plans and find cocurricular activities such as research internships, co-ops, study abroad, and service opportunities.

tickle.utk.edu/advising

Engineering Professional Practice

Assists students with obtaining paid, educationally relevant, real-world engineering experiences through co-op and internship placements. Co-ops offer structured learning environments in industry where students work full

time for a semester and develop increasing responsibilities in a professional setting related to their academic and career goals. Internships provide a condensed set of experiences through a single engineering work semester, typically in the summer.

www.coop.utk.edu



Global Experiences

Students are strongly encouraged to study or conduct research or service projects abroad through a number of engineering-related experiences and programs designed to prepare students to be globally and culturally aware as they enter the workforce.

tickle.utk.edu/global-experiences

Research Opportunities

Research opportunities are available in virtually all areas of study both on campus, at the nearby Oak Ridge National Laboratory, and at other research facilities. Faculty frequently assist students in finding placements and provide mentoring throughout the experience. The Office of Undergraduate Research provides support for all UT undergraduates interested in research.

ugresearch.utk.edu

STUDENT LIFE

Engineering students are some of the most close-knit at UT. The collaborative nature of their work, the chance to room and study together through the Engage Living & Learning Community, and automatic enrollment of incoming students in the engage program help build togetherness from day one.

Forming study groups early in freshman year is critical to building camaraderie and a strong support network. Many student clubs and societies offer social support, peer mentoring, opportunities to attend conferences, and networking with alumni and professionals working in industry.



DIVERSITY INITIATIVES

Engineering Diversity Programs

The college is dedicated to increasing the number of multicultural students (African Americans, Hispanics, Alaskan Natives, Pacific Islanders, and Native Americans) who graduate from UT with engineering degrees. Support services include mentoring, professional development, and alumni networking opportunities and initiatives.

tickle.utk.edu/diversity

Women in Engineering

The college actively encourages female students to develop and focus their interests in engineering through peer and faculty networking, mentoring and support programs, professional development, leadership training, and alumni networking opportunities.

tickle.utk.edu/women

Summer Pre-College Programs

The college hosts multiple summer engineering programs for high school students. Each program is an on-campus residential experience that aims to provide students with an interest in engineering an early exposure to and preparation for scientific study and research.

tickle.utk.edu/diversity/pre-college

HEATH INTEGRATED BUSINESS & ENGINEERING PROGRAM

This unique program pairs an industry-focused curriculum with immersive, professional, co-curricular experiences and one-on-one executive mentoring to create leaders with a comprehensive, systems-thinking approach to breaking down silos solving challenges. Graduates will better understand the intersection between business and engineering, bringing depth and value to industry from day one.

integrate.utk.edu

ALUMNI NETWORK

The college's 27,000+ alumni are spread throughout the globe in more than 80 countries, with roughly half located in Tennessee. Many alumni stay actively involved with the college and current students through mentoring and networking.

Graduates with a bachelor's degree typically either accept positions in private industry or pursue advanced graduate studies. Average salaries for entry-level engineers with a bachelor's degree from UT start around \$65,000.