LEADERSHIP
Mark Dean, Interim Dean

ABOUT THE COLLEGE
Since 1838, the Tickle College of Engineering has proven its commitment to excellence in scientific research and the training of engineering professionals. Programs spanning most major engineering fields are offered, with several nationally ranked 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 34th (undergraduate) and 29th (graduate) for public programs of engineering (U.S. News & World Report, 2018)
• The fall 2017 entering freshman engineering class had an average Math ACT of 30.6 and GPA of 4.1.
• Undergraduate-student-to-faculty ratio of 20:1
• Three new buildings opened since 2012, with a fourth in the construction phase (to open in 2021)

DEGREES GRANTED
Academic Year 2016–2017
Bachelor of Science 612
Master of Science 167
Doctor of Philosophy 111
Total 890

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). Find details at tickle.utk.edu/future-students/admission-requirements

ESTIMATED COST OF ATTENDANCE
Academic Year 2018–2019
Undergraduate in-state student $25,844
Undergraduate out-of-state student $44,264
Engineering fee (per semester hour) $64
Additional details at onestop.utk.edu/tuition-fees

Hope Scholarship Eligibility
In-state students with a minimum 21 ACT (980 old SAT or 1060 new SAT) or an overall weighted minimum 3.0 GPA. Recipients receive $3,500 annually.

Volunteer Scholarship Eligibility
Incoming first-year students with a minimum 3.8 weighted core GPA. Based on ACT/SAT scores, awards (for four years total) range from $12,000 to $32,000 (in-state) and $30,000 to $60,000 (out-of-state).

Find all scholarship details at onestop.utk.edu/financial-aid.

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

UNDERGRADUATE DEGREES OFFERED
Aerospace Engineering
Biomedical Engineering
*Biosystems Engineering
Chemical Engineering
Civil Engineering
Computer Engineering
Computer Science
Electrical Engineering
Industrial Engineering
Materials Science & Engineering
Mechanical 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

*In conjunction with the Herbert College of Agriculture

CONTACT US
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

bess.utk.edu
CHE.UTK.EDU
CEE.UTK.EDU
ECE.UTK.EDU
ISE.UTK.EDU
MABE.UTK.EDU
MSE.UTK.EDU
NE.UTK.EDU

Outstanding Faculty
The college has world-renowned experts and researchers spanning multiple disciplines across all departments, including four National Academy of Engineering members; one Distinguished Scientist; two Distinguished University Professors; 11 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 in Engineering.
AECADIC SUPPORT PROGRAMS

Stoneking engage™ Engineering Fundamentals Program
engage.utk.edu
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, collaborative projects, and hands-on activities.

Cook Grand Challenge Honors Program
honors.tickle.utk.edu
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.

Engineering Advising Services
tickle.utk.edu/advising
Works with students to create individualized academic plans and find cocurricular activities such as research internships, co-ops, study abroad, and community outreach opportunities.

Engineering Professional Practice
www.coop.utk.edu
Assists students with obtaining educationally relevant real-world engineering experiences through the cooperative education (co-op) and internship programs. Co-ops offer structured learning environments where students develop increasing responsibilities by holding full-time, paid positions in a professional setting related to their academic and career goals. Co-ops normally alternate between three semesters of work and school with the same company. Internships provide students a condensed set of experiences through a single engineering work semester, typically in the summer.

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

Integrated Business & Engineering Program
integrate.utk.edu
Each year, a select cohort of sophomores from the colleges of business and engineering are chosen to participate in this collaborative, highly competitive three-year program. Students share a curriculum covering communication, business leadership, process thinking, and a systems approach to decision making. Participants graduate ready to lead at the apex of business and engineering.

Research Opportunities
ugresearch.utk.edu
For students interested in taking their academics further, research opportunities are available in virtually all areas of study both on campus and at the nearby Oak Ridge National Laboratory. 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.

DIVERSITY INITIATIVES

Engineering Diversity Programs
tickle.utk.edu/diversity
The college is dedicated to increasing the number of underrepresented students—including African Americans, Hispanics, Alaskan Natives, Pacific Islanders, and Native Americans—graduate from UT with engineering degrees. Support services include mentoring, professional development, and alumni networking opportunities.

Women in Engineering
tickle.utk.edu/women
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.

Tennessee Louis Stokes Alliance for Minority Participation
tlsamp.utk.edu
Sponsored by the National Science Foundation, TLSAMP was created to help double the number of underrepresented students attending college and graduating with STEM-field degrees from six participating universities in the state of Tennessee.

Summer Pre-College Programs
tickle.utk.edu/diversity/pre-college-programs
The college hosts a series of summer engineering programs for rising twelfth-grade students. Each program is a one-week residential experience on campus that aims to provide students who show an interest in engineering an early exposure to and preparation for scientific study and research.

STUDENT LIFE IN THE COLLEGE

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 Learning Community, and automatic enrollment of incoming students in the engage™ Engineering Fundamentals program help build togetherness from day one.

Forming study groups early in freshman year is a critical way for engineering students to build camaraderie and help one another. Many student clubs and societies offer social support, peer mentoring, opportunities to attend conferences, and networking with alumni and professionals working in industry.

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 events.

Graduates with a bachelor’s degree typically either pursue advanced graduate study or accept positions in private industry or government. Average starting salaries for entry-level engineers with a degree from the college are around $65,000.