Leadership

Dr. Wayne T. Davis, Dean,
Wayne T. Davis Endowed Dean’s Chair in Engineering
124 Perkins Hall
Knoxville, TN 37996-2000
Phone: 865-974-5321; Fax: 865-974-8890
www.facebook.com/coe.utk

Mission

The origins of the college date back to 1838. Its mission is to provide high-quality education in the major engineering disciplines from the undergraduate through doctoral levels through a creative balance of academic, professional, and extracurricular programs.

Academics

Degrees Granted in Academic Year 2014-2015

Bachelor of Science  495
Master of Science    161
Doctor of Philosophy  85
Total              741

Degrees Offered

Bachelor of Science:
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
Nuclear Engineering

Master of Science:
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
Nuclear Engineering

Doctor of Philosophy:
Aerospace Engineering
Biomedical Engineering
Biosystems Engineering
Chemical Engineering
Civil Engineering
Computer Engineering
Computer Science
Electrical Engineering
Energy Science & Engineering
Engineering Science
Industrial Engineering
Materials Science & Engineering
Mechanical Engineering
Nuclear Engineering

Enrollment for Academic Year 2015-2016

Undergraduate  3,093 (75%)
    Male       2,517 (81%)
    Female     576 (19%)
    African-American  120 (4%)
    Other minorities  327 (11%)
Graduate       1,008 (25%)
Total          4,101

The entering freshman engineering class had an average composite ACT score of 29.

Alumni Information

Graduates of the BS curricula offered by the college may pursue advanced graduate study or take positions in private industry or government. The average 2015 starting salary for a College of Engineering graduate with a bachelor’s degree was $60,000.

Half of our graduates stay in Tennessee, and the half represent UT engineering across the United States and around the world.

Students

Costs for Academic Year 2015-2016

Undergraduate Tennessee Resident Tuition & Fees:
New (admitted fall 2014 and after)  $12,436
Returning (admitted pre-fall 2014) $12,134
Returning (admitted pre-fall 2013) $10,786

Graduate Tennessee Resident Tuition & Fees $12,356

Undergraduate Non-Tennessee Resident Tuition & Fees:
New (admitted fall 2014 and after)  $30,856
Returning (admitted pre-fall 2014) $30,554
Returning (admitted pre-fall 2013) $29,206

Graduate Non-Tennessee Resident Tuition & Fees $30,774

Housing and Food (estimated)*
Undergraduate $9,926
Graduate   $12,854

Engineering Fee (per student credit hour) $62

Students who are Tennessee residents with a minimum ACT score of 21 (980 SAT), or have an overall weighted minimum 3.0 GPA, are eligible to receive the HOPE Scholarship ($3,500–$4,500 yearly).

Incoming first-year students with a minimum 3.8 UT weighted core GPA are eligible to receive the Volunteer Scholarship. Based on ACT/SAT scores, the awards range from $3,000 to $8,000 for Tennessee residents and from $10,000 to $18,000 for out-of-state students. For details:
onestop.utk.edu/your-money/financial-aid.

Outstanding Faculty

The college has five National Academy of Engineering Members; one Distinguished Scientist; two University Distinguished Professors; eleven UT/ORNL Governor’s Chairs; two Chancellor’s Professors; eleven Endowed Chairs, including five Chairs of Excellence and the Wayne T. Davis Endowed Dean’s Chair in Engineering; twenty-eight Endowed Professorships; three Faculty Fellows; four Professors of Practice; and two COE Career Development Professorships.

Tenured and Tenure-Track Faculty for Fiscal Year 2015

Professors  87
Associate Professors  52
Assistant Professors  45
Total            184

Faculty

College Expenditures for Fiscal Year 2015

Gift/Grant Expenditures  $68,207,230
State Expenditures       $47,230,549
Total                    $115,437,779

Private Gifts & Pledges for Fiscal Year 2015

Total Giving            $67,705,424

Financials
Engineering Honors Program
www.engr.utk.edu/academics/honors.html
The College of Engineering 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 twenty-first century. Admission as a first year student to the EHP is by invitation, which is extended by the Dean’s office to students meeting rigorous academic standards.

The Jerry E. Stoneking engage™ Program
www.engr.utk.edu/edf
Freshman students admitted to the College of Engineering are automatically enrolled in one of the nation’s most innovative freshman engineering programs—the engage™ Program—a cutting edge, success-oriented approach to first-year engineering education. The engage™ Program’s curriculum is built around teaming students for project-oriented, hands-on activities.

Engineering Advising Services (EAS)
www.engr.utk.edu/advising
The Engineering Advising Services Office provides academic program planning services to undergraduate students in the College of Engineering.

Engineering Professional Practice
www.coop.utk.edu
Since 1926, the Office of Engineering Professional Practice has assisted thousands of engineering students in obtaining educationally relevant opportunities, enabling them to experience real-world engineering challenges through the cooperative education (co-op) and internship education programs. The highly competitive co-op program offers 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 normally alternating between three semesters of work and school. The internship education program provides students a condensed set of experiences through a single engineering work semester.

Distance Education Graduate Degrees and Certificates in Engineering
www.engr.utk.edu/academics/de.html
Distance Education (DE) provides motivated individuals an opportunity to further their engineering education without having to attend instructional sessions in traditional classrooms. The College of Engineering offers selected conventional academic degree programs and graduate certificate programs through DE. Consult departments for details.

Diversity Initiatives
www.engr.utk.edu/coe_diversity

Engineering Diversity Programs Office (EDP)
www.engr.utk.edu/diversity
The Engineering Diversity Programs (EDP) Office strives to increase the number of underrepresented students, including African Americans, Hispanics, Alaskan Natives, Pacific Islanders, and Native Americans, who graduate with engineering degrees.

The Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP)
tlsamp.utk.edu
TLSAMP, a program sponsored by the National Science Foundation (NSF), was created to help double the number of underrepresented students attending college and graduating with degrees in science, technology, engineering, and math (STEM) from six participating universities in Tennessee.

Summer Pre-College Programs
www.engr.utk.edu/diversity/pre-college
The College of Engineering hosts a series of summer engineering programs for rising seventh to twelfth grade students each summer. The mission is to provide students who show an interest in engineering studies an early exposure to and preparation for scientific study and research.

Women in Engineering at UT
www.engr.utk.edu/women
Today, more than ever, women are discovering the exciting opportunities and unique challenges in the engineering field. At the University of Tennessee, we encourage the interest of young women in the science, engineering, technology, and math (STEM) fields through outreach, pre-college programs, and mentoring and support during their college careers.

Innovative Computing Laboratory (ICL)
rmc.utk.edu
The Innovative Computing Laboratory (ICL) is a large computer science research and development group specializing in advanced scientific and high performance computing. ICL’s founder, Dr. Jack Dongarra, established the lab in 1989 when he received a dual appointment as a Distinguished Professor at UT and as a Distinguished Scientist at Oak Ridge National Laboratory.

Institute for a Secure and Sustainable Future (CSSF)
ctr.utk.edu
The Institute for a Secure and Sustainable Future (CSSF) is a large computer science research and development group specializing in advanced scientific and high performance computing. ICL’s founder, Dr. Jack Dongarra, established the lab in 1989 when he received a dual appointment as a Distinguished Professor at UT and as a Distinguished Scientist at Oak Ridge National Laboratory.

Center for Intelligent Systems and Machine Learning (CISML)
cisml.utk.edu
Comprised of university faculty and research staff from Oak Ridge National Laboratory (ORNL) and industry affiliates, CISML focuses on the development of algorithms and software for systems and processes that exhibit intelligent behavior, operate autonomously, and adapt to environmental changes.

Center for Materials Processing (CMP)
www.engr.utk.edu/cmp
Designated by the state of Tennessee as a Center of Excellence, the CMP supports teaching and conducting basic and applied research emphasizing relationships between processing, structure on various scales, and properties of all classes of materials.

Center for Transportation Research (CTR)
ctr.utk.edu
CTR investigators address technical and policy-related issues through sponsored research in highway transportation safety, railway and inland waterway systems, transportation economics, goods movement, transportation planning, traffic demand modeling, and STEM education. CTR also works with community agencies to meet the needs of transportation disadvantaged citizens through a van purchase program.

Center for Ultra-wide-area Resilient Electric Energy Transmission Networks (CURENT)
curent.utk.edu
CURENT was founded by the National Science Foundation (NSF) in 2008 as the Engaging Research Center (ERC) program. Base funding provided by the NSF and the US Department of Energy for the first five years was $18.5 million, which was recently extended to eight years and $30.5 million. CURENT is the first and only ERC at UT and works closely with its industrial partners with a focus on improving the nation’s electric power transmission system.

Center for Ultra-wide-area Resilient Electric Energy Transmission Networks (CURENT)
curent.utk.edu
CURENT was founded by the National Science Foundation (NSF) in 2008 as the Engaging Research Center (ERC) program. Base funding provided by the NSF and the US Department of Energy for the first five years was $18.5 million, which was recently extended to eight years and $30.5 million. CURENT is the first and only ERC at UT and works closely with its industrial partners with a focus on improving the nation’s electric power transmission system.

Center for Transportation Research (CTR)
ctr.utk.edu
CTR investigators address technical and policy-related issues through sponsored research in highway transportation safety, railway and inland waterway systems, transportation economics, goods movement, transportation planning, traffic demand modeling, and STEM education. CTR also works with community agencies to meet the needs of transportation disadvantaged citizens through a van purchase program.

Center for Ultra-wide-area Resilient Electric Energy Transmission Networks (CURENT)
curent.utk.edu
CURENT was founded by the National Science Foundation (NSF) in 2008 as the Engaging Research Center (ERC) program. Base funding provided by the NSF and the US Department of Energy for the first five years was $18.5 million, which was recently extended to eight years and $30.5 million. CURENT is the first and only ERC at UT and works closely with its industrial partners with a focus on improving the nation’s electric power transmission system.

Center for Intelligent Systems and Machine Learning (CISML)
cisml.utk.edu
Comprised of university faculty and research staff from Oak Ridge National Laboratory (ORNL) and industry affiliates, CISML focuses on the development of algorithms and software for systems and processes that exhibit intelligent behavior, operate autonomously, and adapt to environmental changes.

Center for Transportation Research (CTR)
ctr.utk.edu
CTR investigators address technical and policy-related issues through sponsored research in highway transportation safety, railway and inland waterway systems, transportation economics, goods movement, transportation planning, traffic demand modeling, and STEM education. CTR also works with community agencies to meet the needs of transportation disadvantaged citizens through a van purchase program.

Center for Ultra-wide-area Resilient Electric Energy Transmission Networks (CURENT)
curent.utk.edu
CURENT was founded by the National Science Foundation (NSF) in 2008 as the Engaging Research Center (ERC) program. Base funding provided by the NSF and the US Department of Energy for the first five years was $18.5 million, which was recently extended to eight years and $30.5 million. CURENT is the first and only ERC at UT and works closely with its industrial partners with a focus on improving the nation’s electric power transmission system.

Center for Intelligent Systems and Machine Learning (CISML)
cisml.utk.edu
Comprised of university faculty and research staff from Oak Ridge National Laboratory (ORNL) and industry affiliates, CISML focuses on the development of algorithms and software for systems and processes that exhibit intelligent behavior, operate autonomously, and adapt to environmental changes.

Center for Transportation Research (CTR)
ctr.utk.edu
CTR investigators address technical and policy-related issues through sponsored research in highway transportation safety, railway and inland waterway systems, transportation economics, goods movement, transportation planning, traffic demand modeling, and STEM education. CTR also works with community agencies to meet the needs of transportation disadvantaged citizens through a van purchase program.

Center for Ultra-wide-area Resilient Electric Energy Transmission Networks (CURENT)
curent.utk.edu
CURENT was founded by the National Science Foundation (NSF) in 2008 as the Engaging Research Center (ERC) program. Base funding provided by the NSF and the US Department of Energy for the first five years was $18.5 million, which was recently extended to eight years and $30.5 million. CURENT is the first and only ERC at UT and works closely with its industrial partners with a focus on improving the nation’s electric power transmission system.

Center for Intelligent Systems and Machine Learning (CISML)
cisml.utk.edu
Comprised of university faculty and research staff from Oak Ridge National Laboratory (ORNL) and industry affiliates, CISML focuses on the development of algorithms and software for systems and processes that exhibit intelligent behavior, operate autonomously, and adapt to environmental changes.