

## LEADERSHIP

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## ACADEMICS

### Degrees Granted in Academic Year 2005-06

Bachelor of Science	273
Master of Science	184
Doctor of Philosophy	41
<b>Total</b>	<b>498</b>

### Degrees Offered

#### Bachelor of Science:

Aerospace Engineering  
Biomedical Engineering  
Biosystems Engineering  
Chemical Engineering  
Civil Engineering  
Computer Engineering  
Electrical 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  
Electrical Engineering  
Engineering Science  
Environmental Engineering  
Industrial Engineering  
Materials Science & Engineering  
Mechanical Engineering  
Nuclear Engineering  
Polymer Engineering

#### Doctor of Philosophy:

Aerospace Engineering  
Biomedical Engineering  
Biosystems Engineering  
Chemical Engineering  
Civil Engineering  
Computer Engineering  
Electrical Engineering  
Engineering Science  
Industrial Engineering  
Materials Science & Engineering  
Mechanical Engineering  
Nuclear Engineering  
Polymer Engineering

## HISTORY



The origins of the College of Engineering at The University of Tennessee date back to 1838. It is the fourth oldest engineering college in the nation. Its purpose is to educate men and women to the highest levels of technical competence and social understanding to enable them to fulfill their responsibilities as professional engineers.

## STUDENTS

### Enrollment for Academic Year 2005-06

Undergraduate	1,741	(70%)
Male	1,460	(84%)
Female	281	(16%)
African-American	151	(9%)
Other minorities	146	(8%)
Graduate	758	(30%)

**Total 2,499**

The entering freshman engineering class had an average composite ACT score of 27.6.



### Alumni Information

Graduates of the B.S. curricula offered by the college may pursue advanced graduate study or take positions in private industry or government. The average 2005 starting salary for a College of Engineering graduate with a bachelor's degree was \$50,062.

Many graduates pursue their careers in Tennessee, but engineering knows no geographical bounds. Over half of our graduates reside outside the state. Out of a total of over 19,000 living alumni, 97 percent reside in the U.S.



### Costs for Academic Year 2005-06

Tennessee Resident	
Undergraduate tuition & fees	\$5,520
Graduate	\$6,266
Non-Tennessee Resident	
Undergraduate tuition & fees	\$16,360
Graduate	\$17,070
Housing and Food (estimated)*	\$6,054
Engineering Fee (per student credit hour)**	\$25

Students can also expect to spend \$6,000 to \$7,000 per year for books, supplies, transportation and personal expenses.

During the 2005-2006 academic year, scholarships totalling \$370,000 were awarded by the College of Engineering supporting 240 students.

\* Air-conditioned double room plus meal plan. Prices may vary depending on meal plan.

\*\* Not to exceed \$200 per semester



## FACULTY

### Tenured and Tenure-Track Faculty for Academic Year 2005-06

Professors	61
Associate Professors	34
Assistant Professors	25
<b>Total</b>	<b>120</b>



### Outstanding Faculty



There are four National Academy of Engineering members; two University Distinguished Scientists; seven Endowed Professorships; and two Chairs of Excellence in the college: the Ivan Racheff Chair in Materials Science and Engineering and the Henry C. Goodrich Chair in Civil Engineering.



## FINANCIALS

### College Expenditures for Fiscal Year 2006

Gift/Grant Expenditures	\$29,715,940
State Expenditures	\$25,270,696
<b>Total</b>	<b>\$54,986,636</b>

### Private Gifts & Pledges for Fiscal Year 2006

Pledges	\$6,679,547
Gifts	\$16,852,163
<b>Total Giving</b>	<b>\$23,531,711</b>

## ACADEMIC SUPPORT PROGRAMS

### The Engineering Fundamentals Division (EFD)

» [www.engr.utk.edu/efd](http://www.engr.utk.edu/efd)

Freshman students admitted to the College of Engineering are automatically enrolled in one of the nation's most innovative freshman engineering programs—the Engineering Fundamentals Division—a cutting edge, success-oriented approach to first-year engineering education. The EFD's curriculum is built around teaming students for project-oriented, hands-on activities.



### Engineering Advising Services (EAS)

» [www.engr.utk.edu/advising](http://www.engr.utk.edu/advising)

The Engineering Advising Services Office provides academic program planning services to undergraduate students in the College of Engineering.



### Office of Professional Practice (OPP)

» [www.coop.utk.edu](http://www.coop.utk.edu)

Since 1926, the OPP has provided income-generating opportunities for thousands of COE students to experience real-world engineering challenges through cooperative education (co-op) and internship programs. Both programs 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.

### Distance Education Degrees and Certificates in Engineering

» [www.anywhere.tennessee.edu](http://www.anywhere.tennessee.edu)

Distance Education (DE) provides motivated individuals with an opportunity to further their engineering education without having to attend instructional sessions in traditional classroom settings. The COE offers both conventional academic degree programs and graduate certificate programs through DE.

## DIVERSITY INITIATIVES

### Engineering Diversity Programs Office (EDP)

» [www.engr.utk.edu/edp](http://www.engr.utk.edu/edp)

The Office of Engineering Diversity Programs (EDP) strives to increase the number of underrepresented students, including African-Americans, Hispanics and American Indians, who graduate with engineering degrees.



### The Pipeline Engineering Diversity Program

» [www.engr.utk.edu/pipeline](http://www.engr.utk.edu/pipeline)

In 2005, the COE added the Pipeline Engineering Diversity Program to its efforts toward increasing recruitment and retention of African-American, Hispanic American and Native American students. Funded by the Department of Energy (DOE), the Pipeline introduces underrepresented middle and high school students to engineering, provides academic support during undergraduate study and offers financial assistance for graduate level studies in engineering.

### Diversity Engineering Scholarship Program (DESP)

» [www.engr.utk.edu/desp](http://www.engr.utk.edu/desp)

Originally established in 1973 as the Minority Engineering Scholarship Program (MESPP), the DESP has provided ongoing support for generations of minority engineering students. Due in large part to the success of this focus on diversity, the college has consistently graduated a significantly large number of African-American students each year.

### The Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP)

» [www.engr.utk.edu/tlsamp](http://www.engr.utk.edu/tlsamp)

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.

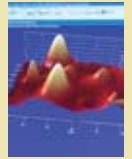


## RESEARCH CENTERS

### Center for Materials Processing (CMP)

» [www.engr.utk.edu/cmp](http://www.engr.utk.edu/cmp)

Designated by the state of Tennessee as a Center of Excellence, the CMP's research efforts focus on the control of material properties through their composition and molecular structure as well as how these factors relate to materials processing.



### Center for Transportation Research (CTR)

» <http://ctr.utk.edu>

The Center for Transportation Research, a nationally and internationally recognized research entity, was created in 1970 to foster and facilitate interdisciplinary research, public service and outreach in the field of transportation.



### Maintenance & Reliability Center (MRC)

» [www.engr.utk.edu/mrc](http://www.engr.utk.edu/mrc)

The MRC is a university-industry association dedicated to improving industrial productivity, efficiency, safety and profitability through advanced maintenance and reliability technologies and management principles.



### Scintillation Materials Research Center (SMRC)

» [www.engr.utk.edu/smrc](http://www.engr.utk.edu/smrc)

The Scintillation Materials Research Center is a unique multidisciplinary research facility formed by a collaboration of UT and CTI Molecular Imaging, who's mission is to discover and develop new scintillation materials that will provide the foundation for the next generation of gamma-ray, x-ray and neutron detectors.



The University of Tennessee does not discriminate on the basis of race, sex, color, religion, national origin, age, disability or veteran status in provision of educational programs and services or employment opportunities and benefits. This policy extends to both employment by and admission to the University.

The University does not discriminate on the basis of race, sex, or disability in its education programs and activities pursuant to the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act (ADA) of 1990. Inquiries and charges of violation concerning Title VI, Title IX, Section 504, ADA or the Age Discrimination in Employment Act (ADEA) or any of the other above referenced policies should be directed to the Office of Equity and Diversity (OED), 1840 Melrose Avenue, Knoxville, TN 37996-3560, telephone (865) 974-2498 (V/T/TTY available) or 974-2440. Requests for accommodation of a disability should be directed to the ADA Coordinator at the UTK Office of Human Resources, 600 Henley Street, Knoxville, TN 37996-4125.