COLLEGE of ENGINEERING

2006–2007 fact book

www.engr.utk.edu
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**Mission Statement**

The mission of the College of Engineering 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;
- To foster and maintain mutually beneficial partnerships with our alumni, friends, industry and local, state and federal governments through public services assistance and collaborative research; and
- To be a major contributor to our nation’s technology base through scholarship and research.

**Vision Statement**

The College of Engineering is resolved to become one of the country’s top 40 public engineering educational institutions. To bring this vision to reality, our college is committed to these five charges:

1. Attaining national and international recognition among peer institutions for excellence in both research and teaching.
2. Assembling a dynamic body of faculty who exemplify excellence and innovation in the pursuit and delivery of knowledge and will perpetuate the highest standards of engineering education for future generations.
3. Graduating students who are well educated in technical knowledge, with solid communication and teamwork skills, who can compete successfully in the global business world and contribute significantly to the national base of engineering education and technology.
4. Investing strategically in the college’s most important resources – students, faculty and programs – through the vigorous acquisition of private gifts from individuals, corporations and foundations.
5. Partnering with academic, industrial and government entities that share and enhance the mission of the College of Engineering, so that our educational and collaborative efforts result in the maximum, positive, economic impact locally, regionally, nationally and globally.
<table>
<thead>
<tr>
<th>Programs of Study</th>
<th>B.S.</th>
<th>M.S.</th>
<th>Ph.D.</th>
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## College of Engineering Administration

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<thead>
<tr>
<th>Title</th>
<th>Name</th>
<th>Phone</th>
<th>E-mail</th>
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<tbody>
<tr>
<td><strong>Dean</strong></td>
<td>Dr. Way Kuo</td>
<td>(865) 974-5321</td>
<td><a href="mailto:way@utk.edu">way@utk.edu</a></td>
</tr>
<tr>
<td><strong>Associate Deans</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Academic Affairs</td>
<td>Dr. Alberto Garcia</td>
<td>(865) 974-6092</td>
<td><a href="mailto:agd@utk.edu">agd@utk.edu</a></td>
</tr>
<tr>
<td>Research &amp; Technology</td>
<td>Dr. Wayne Davis</td>
<td>(865) 974-5321</td>
<td><a href="mailto:wtdavis@utk.edu">wtdavis@utk.edu</a></td>
</tr>
<tr>
<td>Student Affairs</td>
<td>Dr. Masood Parang</td>
<td>(865) 974-2454</td>
<td><a href="mailto:mparang@utk.edu">mparang@utk.edu</a></td>
</tr>
<tr>
<td>UT Space Institute</td>
<td>Dr. Donald Daniel</td>
<td>(931) 393-7213</td>
<td><a href="mailto:daniel@utsi.edu">daniel@utsi.edu</a></td>
</tr>
<tr>
<td><strong>Directors</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communications</td>
<td>Kim Cowart</td>
<td>(865) 974-0686</td>
<td><a href="mailto:kcowart@utk.edu">kcowart@utk.edu</a></td>
</tr>
<tr>
<td>Development</td>
<td>Kay Whitman (Interim)</td>
<td>(865) 974-2779</td>
<td><a href="mailto:kwhitman@utk.edu">kwhitman@utk.edu</a></td>
</tr>
<tr>
<td>Finance &amp; Admin. Affairs</td>
<td>Judy Moore</td>
<td>(865) 974-5380</td>
<td><a href="mailto:jamoore@utk.edu">jamoore@utk.edu</a></td>
</tr>
<tr>
<td>Research</td>
<td>Dr. Wayne Davis</td>
<td>(865) 974-5321</td>
<td><a href="mailto:wtdavis@utk.edu">wtdavis@utk.edu</a></td>
</tr>
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</table>
### Departments, Research Centers and Programs

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<tr>
<th>Departments</th>
<th>Name</th>
<th>Phone (865)</th>
<th>E-mail</th>
</tr>
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<tbody>
<tr>
<td>Biosystems Engineering &amp; Soil Sciences</td>
<td>Dr. George Grandle</td>
<td>974-4514</td>
<td><a href="mailto:ggrandle@utk.edu">ggrandle@utk.edu</a></td>
</tr>
<tr>
<td>Chemical and Biomolecular Engineering</td>
<td>Dr. Bamin Khomami</td>
<td>974-2421</td>
<td><a href="mailto:bkhomami@utk.edu">bkhomami@utk.edu</a></td>
</tr>
<tr>
<td>Civil &amp; Environmental Engineering</td>
<td>Dr. Dayakar Penumadu</td>
<td>974-2503</td>
<td><a href="mailto:dpenumad@utk.edu">dpenumad@utk.edu</a></td>
</tr>
<tr>
<td>Electrical Engineering &amp; Computer Science</td>
<td>Dr. Luther Wilhelm</td>
<td>974-3461</td>
<td><a href="mailto:lwilhelm@utk.edu">lwilhelm@utk.edu</a></td>
</tr>
<tr>
<td>Industrial &amp; Information Engineering</td>
<td>Dr. Alberto Garcia</td>
<td>974-6092</td>
<td><a href="mailto:agd@utk.edu">agd@utk.edu</a></td>
</tr>
<tr>
<td>Materials Science &amp; Engineering</td>
<td>Dr. George Pharr</td>
<td>974-8202</td>
<td><a href="mailto:pharr@utk.edu">pharr@utk.edu</a></td>
</tr>
<tr>
<td>Mechanical, Aerospace &amp; Biomedical Engineering</td>
<td>Dr. Bill Hamel</td>
<td>974-6588</td>
<td><a href="mailto:whamel@utk.edu">whamel@utk.edu</a></td>
</tr>
<tr>
<td>Nuclear Engineering</td>
<td>Dr. Lee Dodds</td>
<td>974-2525</td>
<td><a href="mailto:hdj@utk.edu">hdj@utk.edu</a></td>
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<tbody>
<tr>
<td>Center for Materials Processing</td>
<td>Dr. Carl McHargue</td>
<td>974-7680</td>
<td><a href="mailto:crl@utk.edu">crl@utk.edu</a></td>
</tr>
<tr>
<td>Center for Transportation Research</td>
<td>Dr. Steve Richards</td>
<td>974-1812</td>
<td><a href="mailto:stever@utk.edu">stever@utk.edu</a></td>
</tr>
<tr>
<td>Maintenance and Reliability Center</td>
<td>Thomas Byerley</td>
<td>974-4749</td>
<td><a href="mailto:tbyerley@utk.edu">tbyerley@utk.edu</a></td>
</tr>
<tr>
<td>Scintillation Materials Research Center</td>
<td>Dr. Chuck Melcher</td>
<td>974-0267</td>
<td><a href="mailto:smrc@utk.edu">smrc@utk.edu</a></td>
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<tr>
<th>Programs</th>
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<tbody>
<tr>
<td>Engineering Fundamentals Division</td>
<td>Dr. Roger Parsons</td>
<td>974-9810</td>
<td><a href="mailto:jparsons@utk.edu">jparsons@utk.edu</a></td>
</tr>
<tr>
<td>Engineering Diversity Programs</td>
<td>James Pippin</td>
<td>974-1956</td>
<td><a href="mailto:jipippin@engr.utk.edu">jipippin@engr.utk.edu</a></td>
</tr>
<tr>
<td>Engineering Advising Services</td>
<td>Margie Russell</td>
<td>974-4008</td>
<td><a href="mailto:mrussel8@utk.edu">mrussel8@utk.edu</a></td>
</tr>
<tr>
<td>Office of Professional Practice</td>
<td>Walter Odom</td>
<td>974-5323</td>
<td><a href="mailto:wodom@utk.edu">wodom@utk.edu</a></td>
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# Deans of the College of Engineering

<table>
<thead>
<tr>
<th>Name</th>
<th>Term</th>
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<tbody>
<tr>
<td>Charles E. Ferris</td>
<td>1907-1940</td>
</tr>
<tr>
<td>Nathan W. Dougherty</td>
<td>1940-1956</td>
</tr>
<tr>
<td>Armour T. Granger</td>
<td>1956-1965</td>
</tr>
<tr>
<td>Charles H. Weaver</td>
<td>1965-1968</td>
</tr>
<tr>
<td>Fred N. Peebles</td>
<td>1968-1980</td>
</tr>
<tr>
<td>Robert E. C. Weaver</td>
<td>1981-1983</td>
</tr>
<tr>
<td>William T. Snyder</td>
<td>1983-1992</td>
</tr>
<tr>
<td>Jerry E. Stoneking</td>
<td>1992-2001</td>
</tr>
<tr>
<td>Way Kuo</td>
<td>2003-present</td>
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### College of Engineering Board of Advisors

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<thead>
<tr>
<th>Member</th>
<th>Title</th>
<th>Company</th>
</tr>
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<tbody>
<tr>
<td>Dr. Norbert J. Ackermann, Jr.</td>
<td>CEO</td>
<td>Spinlab Utility Instrumentation, Inc.</td>
</tr>
<tr>
<td>Mrs. Karyl P. Bartlett</td>
<td>Director, Composite Manufacturing Center</td>
<td>Boeing Fabrication</td>
</tr>
<tr>
<td>Mr. Howard E. Chambers</td>
<td>Vice-President &amp; General Manager</td>
<td>Boeing Space &amp; Intelligence Systems</td>
</tr>
<tr>
<td>Dr. Tom F. Cheek, Jr.</td>
<td>Vice President of R &amp; D</td>
<td>Epic Systems, Inc.</td>
</tr>
<tr>
<td><em>Mr. Joseph C. Cook, Jr.</em></td>
<td>Founder and Principal</td>
<td>Mountain Group Capital, LLC</td>
</tr>
<tr>
<td>Dr. Mark E. Dean</td>
<td>IBM Fellow and Vice President</td>
<td>IBM Almaden Research Center</td>
</tr>
<tr>
<td>Mr. R. G. Gilliland</td>
<td>Retired</td>
<td>Oak Ridge National Laboratory</td>
</tr>
<tr>
<td>*Mr. Ron F. Green</td>
<td>Chairman</td>
<td>Advatech, LLC</td>
</tr>
<tr>
<td>Dr. Michael W. Howard</td>
<td>Senior Vice President, R &amp; D</td>
<td>Electric Power Research Institute</td>
</tr>
<tr>
<td>Mr. Dwight N. Hutchins</td>
<td>Global Managing Director, Gov’t Strategy Practice</td>
<td>Accenture</td>
</tr>
<tr>
<td>Dr. H. Lee Martin</td>
<td>Managing Member</td>
<td>Clarity Resources, LLC</td>
</tr>
<tr>
<td>Mr. Edwin A. McDougle</td>
<td>Principal</td>
<td>Ross Bryan Associates, Inc.</td>
</tr>
<tr>
<td>Mr. Mark A. Medley</td>
<td>President &amp; CEO</td>
<td>Control Technology, Inc.</td>
</tr>
<tr>
<td>Mr. Andrew K. Phelps</td>
<td>Associate Director</td>
<td>Los Alamos National Laboratory</td>
</tr>
<tr>
<td><em>Mr. James B. Porter, Jr.</em></td>
<td>Vice President, Engineering and Operations</td>
<td>DuPont Corporation</td>
</tr>
<tr>
<td>Mr. Richard T. Snead</td>
<td>President &amp; CEO</td>
<td>Carlson Restaurants Worldwide</td>
</tr>
</tbody>
</table>

* Denotes Executive Committee Member
Facilities

In 1826, the UT Board of Trustees purchased property on what is known today as “The Hill.” All of the College of Engineering’s buildings are currently located in this area. Engineering and technology facilities include:

**Estabrook Hall**

Originally completed in 1898, Estabrook Hall has been on the university’s list of renovation projects for a number of years. Estabrook is currently home for the Engineering Fundamentals Division and a number of civil and environmental engineering laboratories. Current plans are to break ground on the reconstruction of Estabrook in the fall of 2008 adjacent to the current Estabrook and Pasqua Halls. The new building will house the Department of Civil and Environmental Engineering. Based on raising additional public and private funding, the building will also include nuclear engineering and industrial and information engineering facilities. In June of 2005, the legislature approved $16.6 million for reconstruction of the building.

**Pasqua Hall**

Built in 1925, Pasqua was originally constructed to function as the university’s power plant. It was renovated in 1973 to house the Department of Nuclear Engineering. In 1988, the building, unnamed since its construction in 1925, was designated Pasqua Hall in honor of Dr. Pietro F. Pasqua, the first head of the Department of Nuclear Engineering, which was established in 1957.

**Ferris Hall**

Ferris was built in 1930 and was named after Dr. Charles E. Ferris, the first dean of the College of Engineering and the founder of the COE’s cooperative engineering education program. The building currently houses the Department of Electrical and Computer Engineering.

**Perkins Hall**

Perkins Hall was constructed in 1949. The building is named after Dr. Charles A. Perkins, who was the chair for the engineering department before it was established as a separate academic unit. The COE’s administrative offices are located in Perkins and the Department of Civil and Environmental Engineering is also housed in this building.
Facilities

Nathan W. Dougherty Engineering Building
Built in 1963, the Nathan W. Dougherty Engineering Building is named for Dr. Nathan Dougherty, dean of the COE from 1940 until 1956. The facility is currently home to the Department of Chemical and Biomolecular Engineering; the Department of Materials Science and Engineering; and the Department of Mechanical, Aerospace and Biomedical Engineering. The national headquarters of Tau Beta Pi, the engineering honor society, is also currently located in Dougherty.

The Science and Engineering Research Facility
Constructed in 1997, the Science and Engineering Research Facility (SERF), is a 230,000 square foot facility dedicated to research laboratories utilized by both the College of Engineering and the College of Arts and Sciences.

The Min Kao Electrical Engineering and Computer Science Building
May 14, 2007, groundbreaking ceremonies were conducted for the new Min H. Kao Electrical Engineering and Computer Science Building on the University of Tennessee's engineering campus to be located at the corner of Cumberland Avenue and Estabrook Road. UT alumnus Dr. Min Kao, Chairman and CEO of Garmin International Inc., a world leader in global positioning systems (GPS) technology, committed in June 2005 to a transformational gift of $17.5 million to the COE—the largest private donation in UT history to that date. A total of $12.5 million from the donation is designated for the construction of the new facility. The Tennessee State Legislature’s approval of Governor Phil Bredesen’s proposed $25 million in state funding enhanced the building initiative to a total of $37.5 million for the 150,000 square foot facility.

The Joint Institute for Advanced Materials
In 2005, $20 million in federal funding was secured for the Joint Institute for Advanced Materials (JIAM), a joint UT-ORNL institute for advanced materials multidisciplinary research in the transportation field. As a national leader in the field of materials research, the COE will play a leading role in the research conducted at the facility. Construction of the 100,000 square foot building is scheduled to begin in 2008 on UT’s Cherokee Farm site.
Total Budget for FY 2006

<table>
<thead>
<tr>
<th>Category</th>
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<tr>
<td>RCEP Awards and THEC Equipment Funds</td>
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<td>Engineering and MRC Course Fees</td>
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<td>Research Incentive Funds</td>
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<td>Tennessee State Funding</td>
<td>$22,400,489</td>
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<tr>
<td>External Gifts, Grants &amp; Contracts Expenditures</td>
<td>$29,715,940</td>
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<td>Total</td>
<td>$54,986,636</td>
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Budget for Fiscal Years 2003-2006

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<td>E &amp; G Expenditures*</td>
<td>$21,507,575</td>
<td>$23,382,046</td>
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<td>External Expenditures</td>
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<td>$21,948,042</td>
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<td>Total Operating Budget</td>
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<td>$45,330,088</td>
<td>$52,736,053</td>
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*Education and General Expenditures from state.
State Funding Expenditures for FY 2006

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<td>Misc. Operating Expenses</td>
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<td>Salaries &amp; Benefits</td>
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<td>Total</td>
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Misc. Operating Expenses 14%
Equipment 5%
Salaries and Benefits 81%
### Development Funds for FY 2006

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<td>Pledges</td>
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<td>Gifts</td>
<td>$16,852,164</td>
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<td><strong>Total</strong></td>
<td><strong>$23,531,712</strong></td>
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Research Expenditures (Gifts, Grants and Contracts)

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<thead>
<tr>
<th>Fiscal Year</th>
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<td>2002</td>
<td>18.3</td>
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<tr>
<td>2003</td>
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<td>2004</td>
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<td>2005</td>
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<td>2006</td>
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Research Contract Awards by Type

Fiscal Year

Millions of Dollars

Federal | State | Private/Other

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<th>2002</th>
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<td>13.5</td>
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## External Gifts, Grants & Contracts Total Expenditures by Unit for FY 2006

<table>
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<tr>
<th>Unit</th>
<th>Department Accounts Total</th>
<th>Other Accounts Total</th>
<th>All Accounts Total</th>
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<td>Chemical and Biomolecular</td>
<td>$1,109,696</td>
<td>$165,684</td>
<td>$1,275,380</td>
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<tr>
<td>Civil and Environmental</td>
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<td>$3,290,096</td>
<td>$4,601,060</td>
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<td>Electrical and Computer</td>
<td>$5,249,728</td>
<td>($50,541)</td>
<td>$5,199,187</td>
</tr>
<tr>
<td>Industrial and Information</td>
<td>$505,863</td>
<td>$0</td>
<td>$505,863</td>
</tr>
<tr>
<td>Materials Science</td>
<td>$5,938,957</td>
<td>$900,641</td>
<td>$6,839,598</td>
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<tr>
<td>Mechanical, Aerospace &amp; Biomedical</td>
<td>$3,883,982</td>
<td>$129,432</td>
<td>$4,013,414</td>
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<td>$14,982</td>
<td>$1,889,862</td>
</tr>
<tr>
<td>Engineering Fundamentals</td>
<td>$84,464</td>
<td>$0</td>
<td>$84,464</td>
</tr>
<tr>
<td>Center for Transportation Research</td>
<td>$5,188,991</td>
<td>($3,071,167)</td>
<td>$2,117,824</td>
</tr>
<tr>
<td>Center for Homeland Security and Counterpillage</td>
<td>$9,582</td>
<td>$0</td>
<td>$9,582</td>
</tr>
<tr>
<td>Measurement and Control Engineering Center</td>
<td>$130,376</td>
<td>$0</td>
<td>$130,376</td>
</tr>
<tr>
<td>Center for Materials Processing</td>
<td>$2,192,017</td>
<td>($591,882)</td>
<td>$1,600,135</td>
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<tr>
<td>Maintenance and Reliability Center</td>
<td>$316,172</td>
<td>($27,637)</td>
<td>$288,535</td>
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<tr>
<td>Scintillation Materials Research Center</td>
<td>$109,837</td>
<td>$0</td>
<td>$109,837</td>
</tr>
<tr>
<td>Administration</td>
<td>$1,063,758</td>
<td>($12,935)</td>
<td>$1,050,823</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$28,969,267</strong></td>
<td><strong>$746,673</strong></td>
<td><strong>$29,715,940</strong></td>
</tr>
</tbody>
</table>

*Note: (    ) designates funds that were transferred to one or more of the “Other Accounts.”*
UT-ORNL Interdisciplinary Collaborations

In 2000, the University of Tennessee partnered with Battelle to assume management duties for the Oak Ridge National Laboratory (ORNL). This unique partnership has facilitated the creation of a number of interdisciplinary collaborations known as the UT-ORNL Joint Institutes. The College of Engineering plays a prominent role in the following research initiatives:

- **The Advanced Neutron Scattering netWork for Education and Research (ANSWER)**—As a participant in NSF’s International Materials Institute, this program’s mission is to lead the nation in the science and education of the application of neutron scattering in materials research, specifically in the study of mechanical behavior of advanced materials.

- **The Joint Institute for Advanced Materials (JIAM)**—Created by $20 million in federal funding in 2005, JIAM will focus on multidisciplinary materials research in the transportation field.

- **The Joint Institute for Computational Sciences (JICS)**—Home of the world’s 10th fastest computer, this program functions in tandem with ORNL’s terascale computer laboratories.

- **The Joint Institute for Neutron Sciences (JINS)**—Synergizes materials research efforts between the university and ORNL’s Spallation Neutron Source and High Flux Isotope Reactor.

- **The Joint Center for Biomedical Engineering (JCBE)**—Covers a wide range of research areas including kinematics analysis, medical imaging, computer vision, computational bioengineering, MEMS technology and biological and biochemical technology.
Tenured and Tenure-Track Faculty by Rank

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>75</td>
<td>75</td>
<td>69</td>
<td>69</td>
<td>67</td>
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<tr>
<td>Associate</td>
<td>39</td>
<td>38</td>
<td>35</td>
<td>39</td>
<td>38</td>
</tr>
<tr>
<td>Assistant</td>
<td>23</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Totals</td>
<td>137</td>
<td>136</td>
<td>128</td>
<td>133</td>
<td>130</td>
</tr>
</tbody>
</table>

*Note: Information obtained from UT Office of Institutional Research*

Tenured and Tenure-Track Faculty by Gender

<table>
<thead>
<tr>
<th></th>
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<th></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>%</td>
<td>Number</td>
<td>%</td>
<td>Number</td>
</tr>
<tr>
<td>Females</td>
<td>6</td>
<td>4.4%</td>
<td>6</td>
<td>4.4%</td>
<td>7</td>
</tr>
<tr>
<td>Males</td>
<td>131</td>
<td>95.6%</td>
<td>130</td>
<td>95.6%</td>
<td>121</td>
</tr>
<tr>
<td>Totals</td>
<td>137</td>
<td>136</td>
<td>128</td>
<td>133</td>
<td>130</td>
</tr>
</tbody>
</table>

*Note: Information obtained from UT Office of Institutional Research*
Faculty Ethnicity for AY 2006

- Asian-American: 24.5%
- Caucasian: 72.0%
- African-American: 2.8%
- Hispanic: 0.7%

Faculty Gender for AY 2006

- Male: 95.4%
- Female: 4.6%
### Faculty Salary by Rank

<table>
<thead>
<tr>
<th>Total College</th>
<th>2001</th>
<th>2002</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Professor</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>77</td>
<td>75</td>
<td>75</td>
<td>69</td>
<td>69</td>
<td>67</td>
</tr>
<tr>
<td>Minimum</td>
<td>$58,572</td>
<td>$58,572</td>
<td>$59,693</td>
<td>$61,409</td>
<td>$63,177</td>
<td>$64,890</td>
</tr>
<tr>
<td>Average</td>
<td>$87,058</td>
<td>$89,773</td>
<td>$94,887</td>
<td>$97,939</td>
<td>$99,964</td>
<td>$103,800</td>
</tr>
<tr>
<td>Maximum</td>
<td>$156,482</td>
<td>$135,762</td>
<td>$171,780</td>
<td>$179,517</td>
<td>$156,483</td>
<td>$176,000</td>
</tr>
<tr>
<td><strong>Associate</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>45</td>
<td>39</td>
<td>38</td>
<td>35</td>
<td>39</td>
<td>38</td>
</tr>
<tr>
<td>Minimum</td>
<td>$46,422</td>
<td>$46,422</td>
<td>$47,300</td>
<td>$48,644</td>
<td>$49,337</td>
<td>$50,305</td>
</tr>
<tr>
<td>Average</td>
<td>$66,617</td>
<td>$69,506</td>
<td>$72,558</td>
<td>$74,416</td>
<td>$76,450</td>
<td>$78,825</td>
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<tr>
<td>Maximum</td>
<td>$85,031</td>
<td>$88,002</td>
<td>$87,712</td>
<td>$90,434</td>
<td>$93,385</td>
<td>$96,271</td>
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<tr>
<td><strong>Assistant</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>17</td>
<td>23</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>25</td>
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<tr>
<td>Minimum</td>
<td>$51,980</td>
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<td>$54,806</td>
<td>$56,740</td>
<td>$57,600</td>
<td>$61,257</td>
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<tr>
<td>Average</td>
<td>$62,115</td>
<td>$62,950</td>
<td>$66,146</td>
<td>$69,338</td>
<td>$71,032</td>
<td>$72,809</td>
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<tr>
<td>Maximum</td>
<td>$76,949</td>
<td>$70,800</td>
<td>$74,551</td>
<td>$92,250</td>
<td>$93,634</td>
<td>$98,770</td>
</tr>
<tr>
<td><strong>All Ranks</strong></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>139</td>
<td>137</td>
<td>136</td>
<td>128</td>
<td>133</td>
<td>130</td>
</tr>
<tr>
<td>Minimum</td>
<td>$46,422</td>
<td>$46,422</td>
<td>$47,300</td>
<td>$18,282</td>
<td>$32,123</td>
<td>$50,305</td>
</tr>
<tr>
<td>Average</td>
<td>$77,217</td>
<td>$79,333</td>
<td>$83,512</td>
<td>$84,846</td>
<td>$86,276</td>
<td>$89,853</td>
</tr>
<tr>
<td>Maximum</td>
<td>$156,482</td>
<td>$135,762</td>
<td>$171,780</td>
<td>$179,517</td>
<td>$156,483</td>
<td>$176,000</td>
</tr>
</tbody>
</table>

Notes: Data based on October payroll file. Salary data not reported for ranks with less than five faculty. All 12 month salaries have been converted to nine month salaries. Information obtained from UT Office of Institutional Research.
Chairs, Professorships and Distinguished Faculty

University Distinguished Professor, Dean Way Kuo (National Academy of Engineering Member)
University Distinguished Professor, Dr. Jack Dongarra (National Academy of Engineering Member)
Distinguished Research Professor, Dr. C.T. Liu (National Academy of Engineering Member)
Distinguished Research Professor, Dr. Jeffrey Wadsworth (National Academy of Engineering Member)
UT-Battelle Distinguished Professor, Dr. Thomas Zacharia
UT-ORNL Distinguished Scientist, Dr. Takeshi Egami
UT-ORNL Distinguished Scientist, Dr. David Joy
Ivan Racheff Chair of Excellence, Dr. Peter Liaw
Goodrich Chair of Excellence in Transportation, Dr. Tom Urbanik
Weston Fulton Professor, Dr. Mongi Abidi
Fred N. Peebles Professor, Dr. Edwin Burdette
Alvin & Sally Beamon Professor, Dr. Bamin Khomami
Armour T. Granger Professor, Dr. Bamin Khomami
Magnavox Professor, Dr. Kenneth Kihm
Fred M. Roddy Professor of Biomedical Engineering, Dr. Richard Komistek
John Fisher Professor, Dr. Peter Liaw
R.M. Condra Professor, Dr. Thomas Urbanik
Alumni Distinguished Service Professor, Dr. Charles Moore
Total Alumni by Location

<table>
<thead>
<tr>
<th>Location</th>
<th>Alumni Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tennessee</td>
<td>11,656</td>
</tr>
<tr>
<td>U.S. (excluding TN)</td>
<td>11,174</td>
</tr>
<tr>
<td>U.S. (total)</td>
<td>22,830</td>
</tr>
<tr>
<td>International</td>
<td>756</td>
</tr>
<tr>
<td>Grand Total</td>
<td>23,586</td>
</tr>
</tbody>
</table>

---

The image shows a map of the United States with states color-coded to indicate the number of alumni from each state. The map illustrates the distribution of alumni across different regions, with Tennessee having the highest number of alumni at 11,656, followed by the U.S. (excluding Tennessee) at 11,174, and the U.S. (total) at 22,830. The international alumni count is 756, making the grand total 23,586.
## Total Alumni by Department

<table>
<thead>
<tr>
<th>Department</th>
<th>Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical &amp; Biomolecular Engineering</td>
<td>2,677</td>
<td>11.45%</td>
</tr>
<tr>
<td>Civil &amp; Environmental Engineering</td>
<td>3,959</td>
<td>16.94%</td>
</tr>
<tr>
<td>Electrical &amp; Computer Engineering</td>
<td>5,761</td>
<td>24.65%</td>
</tr>
<tr>
<td>Industrial &amp; Information Engineering</td>
<td>2,829</td>
<td>12.11%</td>
</tr>
<tr>
<td>Materials Science &amp; Engineering</td>
<td>142</td>
<td>0.61%</td>
</tr>
<tr>
<td>Mechanical, Aerospace &amp; Biomedical Engineering</td>
<td>5,094</td>
<td>21.80%</td>
</tr>
<tr>
<td>Nuclear Engineering</td>
<td>801</td>
<td>3.43%</td>
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<tr>
<td><strong>Other:</strong></td>
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<td></td>
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<tr>
<td>Engineering Science</td>
<td>1,053</td>
<td>4.51%</td>
</tr>
<tr>
<td>Engineering Physics</td>
<td>361</td>
<td>1.54%</td>
</tr>
<tr>
<td>Metallurgical</td>
<td>345</td>
<td>1.48%</td>
</tr>
<tr>
<td>Polymer</td>
<td>144</td>
<td>0.62%</td>
</tr>
<tr>
<td>Engineering Administration</td>
<td>125</td>
<td>0.53%</td>
</tr>
<tr>
<td>Engineering Mechanics &amp; Science</td>
<td>78</td>
<td>0.33%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>23,369</strong></td>
<td><strong>100.00%</strong></td>
</tr>
</tbody>
</table>
Freshman Composite ACT Scores

Academic Year

Composite ACT Score

College of Engineering
University of Tennessee
Undergraduate Enrollment Trends

Academic Year

Undergraduate Students

- 2000: 1,659
- 2001: 1,706
- 2002: 1,718
- 2003: 1,705
- 2004: 1,815
- 2005: 1,793
- 2006: 1,741
Graduate Enrollment Trends

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Graduate Students</th>
</tr>
</thead>
<tbody>
<tr>
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<td>440</td>
</tr>
<tr>
<td>2001</td>
<td>425</td>
</tr>
<tr>
<td>2002</td>
<td>522</td>
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<tr>
<td>2003</td>
<td>622</td>
</tr>
<tr>
<td>2004</td>
<td>691</td>
</tr>
<tr>
<td>2005</td>
<td>684</td>
</tr>
<tr>
<td>2006</td>
<td>758</td>
</tr>
</tbody>
</table>
Total Enrollment Trends

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Total Number of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>2,099</td>
</tr>
<tr>
<td>2001</td>
<td>2,131</td>
</tr>
<tr>
<td>2002</td>
<td>2,240</td>
</tr>
<tr>
<td>2003</td>
<td>2,327</td>
</tr>
<tr>
<td>2004</td>
<td>2,506</td>
</tr>
<tr>
<td>2005</td>
<td>2,477</td>
</tr>
<tr>
<td>2006</td>
<td>2,499</td>
</tr>
</tbody>
</table>
Enrollment Trends by Degree Level

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>B.S.</th>
<th>M.S.</th>
<th>Ph.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>1,659</td>
<td>334</td>
<td>129</td>
</tr>
<tr>
<td>2001</td>
<td>1,706</td>
<td>274</td>
<td>151</td>
</tr>
<tr>
<td>2002</td>
<td>1,745</td>
<td>334</td>
<td>191</td>
</tr>
<tr>
<td>2003</td>
<td>1,705</td>
<td>405</td>
<td>217</td>
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<tr>
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<td>464</td>
<td>227</td>
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<td>2005</td>
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<td>453</td>
<td>231</td>
</tr>
<tr>
<td>2006</td>
<td></td>
<td></td>
<td>258</td>
</tr>
</tbody>
</table>
Enrollment by Degree Level for AY 2006

- B.S.: 1,741
- M.S.: 470
- Ph.D.: 288

Degrees Conferred for AY 2006

- B.S.: 273
- M.S.: 184
- Ph.D.: 41
Degrees Conferred Trends

- B.S.: 294, 284, 280, 312, 303, 272
- M.S.: 147, 127, 121, 153, 150, 184
- Ph.D.: 31, 19, 28, 24, 25, 41

Academic Year: 2001 to 2006
Undergraduate Enrollment by Discipline for AY 2006
Undergraduate Ethnicity for AY 2006

- Caucasian: 82.5%
- African-American: 9.2%
- Asian-American: 3.9%
- Hispanic: 1.9%
- American Indian: 0.2%
- International: 1.6%
- Unreported: 0.5%

Undergraduate Gender Ratios for AY 2006

- Male: 83%
- Female: 17%
Undergraduate Minority Enrollment Trends
Graduate Enrollment by Discipline for AY 2006
Graduate Minority Enrollment Trends
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.

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