We are the Department of Electrical and Computer Science at the University of Tennessee, the largest department in the College of Engineering. We have 44 faculty members, who are respected, world-class leaders in their fields and are dedicated to teaching students and aiding them in developing the technical and communication skills necessary to have successful careers. Our rigorous curriculum prepares students to be successful in their future professions and offers the flexibility for students to choose courses that match their interests.

**Leadership**

Dr. Leon Tolbert, Department Head
Min H. Kao Building, Suite 401
1520 Middle Drive
Knoxville, TN 37996-2250
Phone: (865) 974-3461
www.facebook.com/EECS.UTK
www.twitter.com/EECS_UTK

**Mission**

Center for Ultra-wide-area Resilient Electric Energy Transmission Networks (CURENT)

curent.utk.edu CURENT was founded by the National Science Foundation (NSF) under the prestigious Engineering Research Center (ERC) program. Base funding provided by the NSF and the US Department of Energy is at $4 million per year. 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 and accommodating a high level of renewable energy penetration.

Innovative Computing Laboratory (ICL)

icl.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. Dr. Dongarra is the creator of the LINPACK Benchmarks, linear algebra tests that measure the mathematical capabilities of computers. The latest version of these benchmarks is used to build the TOP500 list, ranking the world’s most powerful supercomputers.

Initiative Point of Need/Point of Care Nanobiosensing (PCN)
nanobio.eecs.utk.edu Joint with MABE, Nutrition and Public Health. This collaborative initiative aims to use nanobiosensing technology to design, test, and validate rapid tests at point of need (PON) and/or point of care (POC) to facilitate clinical disease diagnosis and monitoring of environmental, food or water safety.

**Research Centers**

**Degrees, Minors & Certificates Offered**

**Degrees**
- Bachelor of Science
  - Electrical Engineering
  - Computer Engineering
  - Computer Science
- Master of Science
  - Electrical Engineering
  - Computer Engineering
- Computer Science

**Minors & Certificates**
- Computer Science Minor
- Cybersecurity Minor
- Datacenter Technology and Management Minor
- Power and Energy Systems Graduate Certificate
- Fire Protection Engineering Graduate Certificate
- Reliability and Maintainability Engineering Graduate Certificate – Electrical Engineering and Computer Engineering Concentration

**Academics**

**Enrollment Figures**

Enrollment (Full-Time)

<table>
<thead>
<tr>
<th>Academic Year 2015-2016</th>
<th>Undergraduate</th>
<th>Graduate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>1074</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Fall 2016 Freshman Enrollment**

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science</td>
<td>102</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>68</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>45</td>
</tr>
<tr>
<td>Total EECS Freshmen</td>
<td>215</td>
</tr>
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</table>

**Degrees Granted**

<table>
<thead>
<tr>
<th>Academic Year 2015-2016</th>
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<th>M.S.</th>
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<tbody>
<tr>
<td>Total</td>
<td>198</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Faculty**

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Professors</th>
<th>Associate Professors</th>
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</tr>
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<tbody>
<tr>
<td>Professors</td>
<td>23</td>
<td>9</td>
<td>9</td>
<td>3</td>
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</tr>
</tbody>
</table>

**ADEE Survey Data**

- 22nd nationally among public EECS programs in research expenditures per tenure-line faculty member.
- 12th nationally among public EECS programs in Ph.D. enrollment per tenure-line faculty member.

**Research Expenditures**

<table>
<thead>
<tr>
<th>FY</th>
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<tbody>
<tr>
<td>10</td>
<td>$9,000,000</td>
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<tr>
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<tr>
<td>12</td>
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<td>22</td>
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**Financials**

**Faculty Awards**

- National Academy of Engineering (NAE) Members: 4
- NSF Career Award Winners: 10
- IEEE Fellows: 10
- Faculty Members with an ORNL Appointment: 20

Oak Ridge National Laboratory is the largest US Department of Energy science and energy laboratory, conducting basic and applied research to deliver transformative solutions to compelling problems in energy and security. ORNL’s diverse capabilities span a broad range of scientific and engineering disciplines, enabling the Laboratory to explore fundamental science challenges and to carry out the research needed to accelerate the delivery of solutions to the marketplace. ORNL is located near the University of Tennessee in the town of Oak Ridge, and several EECS faculty members have joint ORNL appointments there and even more have joint collaborations.

**Degrees, Minors & Certificates Offered**

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The Five-Year BS/MS Program allows qualifying undergraduate students to take up to 6 hours of approved graduate courses for their senior electives and have them count toward both their BS and MS degrees at the University of Tennessee thereby reducing the amount of time it takes to earn the latter.

Sisters: Women in EECS @ UTK

Scholarships & Fellowships

Scholarships
Carol and Malcolm Bayless
Dr. M.E. and Mrs. J.N. Casey
Grace O. Davis
Department of Electrical Engineering & Computer Science
Christopher J. and Michelle R. Gentry
S.T. Harris
Urban and Susan Hilger
Beta-Phi Chapter, Eta Kappa Nu
Dr. E. Johnson and Mrs. L.H. Kennedy
Alliene Lay
W.O. Leffell
Edgar Wyman McCall
Harlan D. and Luella C. Mills
Billy J. and Sylvia F. Moore
L.B. Murray, Jr.
Leonard B. Murray, Sr.
Erby Roy and Jean Bush Nankivell
David O. and Joan G. Patterson
Leonard and Betty Shealy
Charles and Martha Sprankle
David W. Straight
Fred Smith Vreeland
Charles Weaver Memorial
Arthur F. Woods
Min H. Kao Scholars

Fellowships
Bodenheimer Fellowships
Robert Vaughn Blalock Graduate Memorial Award
Chancellor’s Honors Awards
Min. H. Kao Fellowships
Pierce Graduate Award
Ron Nutt Fellowships
Department Excellence Awards

Student Organizations

ACM
The student chapter of the Association for Computing Machinery at the University of Tennessee is dedicated to serving its members by providing information about job opportunities, the computer science fields, and a location for our local members to share their knowledge and experience in the world.

Eta Kappa Nu
Eta Kappa Nu is the International Electrical Engineering Honor Society, with more than 100,000 members and 194 chapters in the United States, Canada and Europe.

HackUTK
The mission of HackUTK is to promote student interest in the fields of computer and network security through participation in and sponsorship of Capture the Flag competitions and related activities that inspire, develop, and empower the future generation of computer scientists.

IEEE
The Student Chapter of the Institute for Electrical and Electronics Engineers (IEEE, “eye-triple-E”) is a professional society seeking to involve students enrolled in the study of electrical and computer engineering at the University of Tennessee, Knoxville.

Systers
The mission of Systers: Women in EECS is to recruit, mentor, and retain women in Electrical Engineering and Computer Science at the University of Tennessee.

Systers is proud of their accomplishments so far: mentoring young women entering EECS, reaching out to girls in the community to tell them about opportunities in our field, and helping ensure that talented students have access to our department’s resources and our community’s industry opportunities, regardless of gender.

Tau Beta Pi
Tau Beta Pi’s collegiate chapters elect members who have distinguished themselves with outstanding scholarship and character. Founded in 1889 to mark in a fitting manner those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character as undergraduates in engineering, or by their attainments as alumni in the field of engineering, and to foster a spirit of liberal culture in engineering colleges. The Tennessee Alpha Chapter at the University of Tennessee, Knoxville was founded in 1929.

utkML
Machine Learning Student Organization (UTKML)—The ML Group is a University of Tennessee student driven organization focused on machine learning. We believe in the value of interdisciplinary collaboration between people of diverse backgrounds.