

## Collaborating Institutions

The University of Tennessee, Knoxville, a major public research university with research expertise in nuclear engineering, materials science, nuclear physics, grid development and management, power electronics, energy storage, environmental science and engineering, and bioenergy, grants the degrees offered through the program and provides faculty mentors for many of the research projects.

Oak Ridge National Laboratory, the U.S. Department of Energy's largest science and energy laboratory, has research expertise in neutron science, energy, advanced materials, supercomputing, national security, and more. ORNL also has such internationally recognized research facilities as the Spallation Neutron Source; the High Flux Isotope Reactor; and Jaguar, the world's fastest supercomputer. Students will have opportunities to work at these facilities with ORNL researchers.

Imagine a better future,  
**then do something  
about it.**



The ESE program is managed by the Center for Interdisciplinary Research and Graduate Education (CIRE) and based at both UTK and ORNL.

### Contact

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# GRADUATE PROGRAM IN ENERGY SCIENCE & ENGINEERING



## UTK-ORNL Energy Science and Engineering Fellowships

The University of Tennessee, Knoxville, and Oak Ridge National Laboratory (ORNL) have jointly created a graduate program focused on the science and engineering behind the energy needs and issues facing the United States. With the combined resources of a comprehensive research university and a major national laboratory, the UTK-ORNL Energy Sciences and Engineering (ESE) graduate program provides fellowship opportunities for students seeking a Ph.D. to pursue basic research and innovation, advance interdisciplinary research, and accelerate development and deployment of new technologies to solve problems related to the energy future of our country and the world. Students may also seek a degree in a traditional department with a concentration in energy science and engineering.

**For more information,  
go to <http://ese.utk.edu>**

*Candidates may pursue research in many areas of energy-related science and engineering including*

- *Bioenergy and biofuels*
- *Environmental and climate science*
- *Nuclear energy*
- *Distributed energy and grid management*
- *Energy conversion and storage*
- *Renewable energy*

*All application materials must be submitted by January 15, 2011.*



**Stipend: \$28,000 plus  
tuition waiver & health insurance**