Financial Benefits

Students enrolled in the program will receive two years of NSF funding, consisting of $30,000 per year plus tuition. Additional funding for other years of study is available from the University of Vermont.

To Apply

1. Apply for UVM graduate admission in one of the participating Ph.D. programs.

2. Electronically submit the Smart Grid Technology, Human Behavior & Policy application form (available at our website) and a pdf copy of your complete UVM graduate application to the Program Director.

Eligibility: All applicants must be U.S. citizens or permanent residents.

For More Information

Please visit the Smart Grid - Technology, Human Behavior, and Policy website:

http://www.uvm.edu/~cems/igert

or contact:

Program Director | Dr. Jeffrey Marshall
Phone | 1 (802) 656-3826
Email | jeff.marshall@uvm.edu

Mailing Address
School of Engineering
The University of Vermont
301 Votey Hall
Burlington, VT 05405
The University of Vermont IGERT program consists of a partnership between the University of Vermont and Sandia National Laboratories, whose vision is to create a new generation of multidisciplinary scientists who are capable of analyzing the entire smart grid system – integrating technology, human behavior, and policy – to understand the complex dynamics of the next generation of electric power systems.

This program seeks to develop the scientific/engineering research workforce necessary to allow intelligent development of smart grids in order to provide reliable, sustainable and efficient power delivery in keeping with consumer and society needs. Trainees can pursue doctoral degrees at the University of Vermont in the following PhD programs:

- Civil and Environmental Engineering
- Computer Science
- Electrical Engineering
- Experimental Psychology
- Mathematical Sciences
- Mechanical Engineering
- Natural Resources
- Neuroscience
- Policy and Governance (pending)

In addition to degree-specific requirements, the Smart Grid IGERT program includes the following:

- A Graduate Certificate in Complex Systems at the University of Vermont
- Trans-disciplinary courses to supplement degree-specific requirements
  - Smart Grid/Power Systems
  - Behavioral economics
  - Policy systems
  - Research ethics
- A two-month summer internship at Sandia National Laboratories, with special IGERT short courses co-taught by Sandia staff
- Outreach activities with local schools, energy events, and a local educational science center
- Presenting at domestic and international scientific conferences
- Field trips to Vermont utility companies involved in developing the nation’s first statewide smart grid
- Smart Grid Seminar Series

Students in the program work with specialists in energy systems, complex systems and related areas from the University of Vermont and Sandia National Laboratories. Various program components also involve interaction with faculty and staff at Champlain College, Vermont Law School, ECHO Lake Aquarium and Science Center, and Green Mountain Power.

IGERT students have access to advanced research facilities at the University of Vermont, including the Complex Systems Center, the Transportation Research Center, the Jeffords Center for Policy Research, and the Vermont Advanced Computing Center.

A Great Place to Live

The University of Vermont is situated in the heart of Burlington, VT, one of America’s liveliest small cities. Located on the east shore of Lake Champlain, with its quaint outdoor shopping street, and only a short drive from Vermont’s beautiful countryside and the Green Mountains, Burlington truly offers something for everyone.