

Nuclear Power: Part of the Solution



GRADUATE STUDY IN

Nuclear and Radiation Engineering

The University
of Texas at Austin

The Nuclear and Radiation Engineering Program (NRE) is seeking outstanding students.

The NRE program is particularly interested in applicants with a strong background in engineering, physics, applied math, electrical, mechanical or chemical engineering. This is a small, dynamic graduate program within the Department of Mechanical Engineering. The Department is ranked among the top 10 graduate programs in the US by US News and World Report, and among the top ten programs nationally in terms of publications and citations per faculty member by the National Research Council.

Research in NRE focuses on all aspects of nuclear science and engineering.

The University of Texas at Austin has made research on global energy issues a primary focus area. The University is in the process of expanding its faculty who work in energy related areas and it is forming an Energy Institute that will draw together relevant programs from the University's LBJ School of Public Policy, Cockrell School of Engineering and the Jackson School of Geological Sciences. The NRE program is an integral part of these efforts and works collaboratively with these schools on cross disciplinary research projects.

Research areas

- Advanced Nuclear Fuel Cycles
- Reactor Physics
- Proliferation and Nuclear Security
- Computational Methods
- Radiochemistry and Separations
- Materials Science
- Energy Economics
- Homeland Security



Research Sponsors

The Nuclear and Radiation Engineering Program averages more than two million dollars a year in external funding. Current research is supported by:



National
Science
Foundation



Lawrence
Livermore
National Lab



United States
Department
of Energy



Office
of Naval
Research



International
Atomic Energy
Agency



Argonne
National
Lab



Sandia
National
Laboratory



Los Alamos
National Laboratory



Nuclear Regulatory
Commission



National Nuclear
Security Agency



Idaho
National
Laboratory



Graduate Degrees

The graduate program offers courses of study and research leading to Ph.D. and M.S. degrees. The typical time required for a Master of Science degree is two years and a Doctoral degree typically requires an additional three years.

The NRE program is extremely active and graduated about 10% of the nation's nuclear engineering Ph.D.'s during 2007. The program typically has around thirty graduate students pursuing advanced degrees at any one time, and twelve to fifteen undergraduates are enrolled in a NRE Certificate Option that is offered in conjunction with the Physics Department.

Distance Learning

The NRE program simulcasts all of its courses so that graduate students who are interning or working at national laboratories on collaborative projects can seamlessly continue their studies.

Stipends

A minimum \$20,400 stipend, plus health insurance, tuition and fees, is available to graduate students in our program. Additional scholarships of up to \$9,000 per year are available for committed PhD students who have high GPA and GRE scores. A one-time \$2500 scholarship is available to MS students.

For more information, please contact:

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