

NUCLEAR **E**NGINEERING **S**CIENCE **L**ABORATORY **S**YNTHESIS



The Nuclear Engineering Science Laboratory Synthesis (NESLS) is a cooperative research initiative geared toward students working in nuclear science applications. NESLS offers students and faculty on-the-job educational and research opportunities at a multidisciplinary national laboratory.

NESLS Goals

- Maximize the abilities of students through cooperative research with mentors at national laboratories
- Increase on-the-job research opportunities
- Provide a learning environment useful to both the Laboratory and visiting staff
- Train next generation scientists

NESLS Project Areas

- Nuclear Security Technologies
- Nuclear Systems Analysis, Design, and Safety
- Fuels, Isotopes, and Nuclear Materials
- Fusion

While You Are at ORNL

- Enrich your laboratory experience by attending the lecture series to learn of the work of outstanding speakers.
- Network with laboratory research staff and with fellow students through work and social events.
- Take technical tours of facilities at ORNL.
- Prepare and present your project to laboratory staff and fellow students

Health Insurance

Each participant is required to have coverage in a health insurance plan for the duration of the appointment. It is the responsibility of each participant to secure insurance coverage before arriving at the appointed site.

Eligibility and Qualifications

The ORNL NESLS program is open to faculty or full- or part-time nuclear science students with a minimum grade point average of 3.0 (on a scale of 4) enrolled at a U.S. university at the time of appointment. All awards and active participation in the program are contingent upon security access approval to Oak Ridge National Laboratory.

Applicants will be chosen on the basis of academic performance, class standing, career goals, recommendations, and compatibility of educational interests and abilities with the needs of ORNL.

Application Procedure

Applications for the summer program must be submitted prior to the February 28 program deadline.

A limited number of slots are available during fall and winter sessions.

Applicants may apply for NESLS via the online application form at http://www.ornl.gov/sci/nsed/outreach/internship_nesls.shtml.

Selection

The award will be based on mentor's selection and project funding availability. Applicants will be notified of acceptance on or around March 31 for the summer session.

The award includes a weekly stipend based on student's class status at the time the assignment begins; the table of rates can be found at http://www.ornl.gov/sci/nsed/outreach/internship_nesls.shtml.

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