Co-Op Student Job Announcement

Georgia Tech/NEETRAC is looking for three students to enter the Research Engineer Co-Op Training Program for the Summer 2012 or Fall 2012 semesters. This program provides a strong foundation for future employment as a Research Engineer, Product Design Engineer, Test Engineer, Utility Engineer, or Applications Engineer and is excellent preparation for graduate school. Co-ops work on significant high profile projects with technicians, graduate students and research faculty.

NEETRAC, which stands for the National Electrical Energy Testing, Research and Applications Center, is a multi-disciplined Georgia Tech research center that provides testing, research and consulting services to the electric utility industry. The job is located in Forest Park, GA just east of the Atlanta airport.

Program Specifics

You will learn about electrical and mechanical research and test engineering from the ground up in Georgia Tech/NEETRAC’s three semester:

- Semester 1 – Hands-on work in the laboratory preparing test specimens, setting up test cells, performing tests and processing data.
- Semester 2 – Small projects will be assigned as part of the student’s work in the laboratory, as well as similar tasks to Semester 1. The student will also assist with literature searches, preparing portions of project plans, reports, and presentations.
- Semester 3 – Project Semester: The student will be assigned a small project and will do all tasks towards completion including writing a project plan, constructing and running the test, project management, and possibly report writing.

Program Qualifications

This program is highly selective; therefore applicants must meet these minimum requirements:

- Minimum GPA 3.0
- Experience using basic hand tools such as wrenches, meters and soldering irons
- Willingness to work with your hands and get dirty
- Working towards a degree in electrical, mechanical, civil, chemical, materials or polymer & fiber engineering, as well as physics
- Transportation to and from work (we are located 10 miles south of campus, just east of the Atlanta airport.)
- Ability to write programs, use MATLAB, and construct Excel macros
Test Capabilities

Some of NEETRAC’s capabilities include:

- Operating our 700 kV indoor resonant test set to flashover insulators
- Creating lightening indoors with our 2.2 MV, 220 kJ impulse generator
- Smash components in our 40 kJ impact tester
- Conduct materials testing with our 150 klb horizontal tensile machine
- Visit www.neetrac.gatech.edu for more information

Co-Op Quotes

“Working at NEETRAC gave me a hand's on view of many different segments of the electric transmission and distribution industry. The level of responsibility and investment from the faculty allowed me to learn more than I would have learned at many other co-ops.”

– Nate Brex, ECE Student, Third Semester Co-Op

“The research and testing experience I gained while working as a co-op student at NEETRAC proved very useful in college classes, later during job interviews, and now as a new Research Engineer at NEETRAC.”

– Johnny Glisson, ME Class of ’11, Research Engineer at NEETRAC

Please apply for this position at http://www.coop.gatech.edu/