

# Job Announcement

Two to three Electrical and Computer Engineering undergraduates are sought to develop lecture and laboratory modules that illustrate key concepts in circuit analysis. These applications will be geared towards students taking ECE 203 although it is expected that other students will benefit as well. Proposed projects include:

- Illustrating the concepts of voltage and current division in circuits
- Showing how amplification can be explained by the use of dependent sources
- Showing how op-amps can be used in applications such as light detection, heart beat monitoring, etc.
- Tuners, modulators, and demodulators for radio transmission and reception
- Tone control using high-pass and low-pass filters

Other projects may be defined based upon the qualifications of those hired. Money will be provided for the materials and supplies needed for all projects.

The jobs are scheduled to go through the Spring 2008 semester. Each position pays between \$10 and \$13 per hour (pay rate depends on the year of the student hired) with an expected workload of eight to ten hours per week.

If you are interested in these positions, you must have completed ECE 203, have a GPA of 3.0 or greater, and have good oral and written communication skills. While not required, completion of ECE 204 (Electronics I) and ECE 323 (Signals and Systems I) would be useful. To apply, send a resume to Professor Archie Holmes ([archieholmes@virginia.edu](mailto:archieholmes@virginia.edu)).