



Cooperative Education Fall/Winter 2008 Employment Opportunity

The National Radio Astronomy Observatory (NRAO) anticipates an opening for an undergraduate cooperative education student to provide engineering support to the NRAO-NM Electronics Division from August 15, 2008 to January 1, 2009. The place of employment will be at the Array Operations Center (AOC) in Socorro, NM and at our observing site near Dutil, NM. NRAO-NM supports the Very Large Array (VLA) and the Very Long Baseline Array (VLBA) radio astronomy telescopes and is building portions of the Atacama Large Millimeter Array (ALMA). NRAO is a facility of the National Science Foundation operated under cooperative agreement by Associated Universities, Inc. See <http://www.nrao.edu> for more information.

Qualifications

Student must:

- Be enrolled for the Fall 2008 semester as a full-time student at a participating school;
- Enroll in the Cooperative Education Program at the participating school while employed;
- Completed 30 semester hours of college credit before employment begins;
- Earned at least a 2.6 grade point average;
- Meet visa or citizenship requirements of the participating school;
- Have the approval of the student's advisor and/or department chair;
- Completed at least 20 credit hours of electrical engineering, physics, and mathematics, and be a student in good standing in one of those departments;
- Be willing to participate in at least two co-op education appointments.

Duties

Assignments typically involve computer programming, electronic design and/or testing. This particular work assignment will involve performing RFI and EMC testing at the VLA. Tasks will include the collection, analysis and presentation of monitoring system data, the identification and mitigation of detected RFI, and performing RF power measurements in a RF reverberation chamber. The co-op student will work 40 hours per week.

Benefits and Pay

During the work phase, the student will:

- Receive a monthly salary. The pay scale starts at \$2,700 per month;
- Accrue sick leave;
- Be paid for NRAO-observed holidays;
- Be eligible for follow-on work assignments after a return to course work for a semester, with compensation increases as education advances.

To Apply

Submit your resume with an NRAO employment application which is available online in PDF format at http://www.nrao.edu/administration/personnel_office/employapplication.pdf and include a copy of your transcript plus any other supporting documentation you wish considered to NRAO Human Resources, PO Box O, Socorro, NM 87801; or fax to 505-835-7024. Deadline for application is Aug. 1, 2008. Contact alewis@nrao.edu for more information. **Please be certain to indicate SO4036 on your application.** NRAO is an Equal Opportunity Employer - women and minority candidates are encouraged to apply.