



National Radio Astronomy Observatory (NRAO) Spring 2019 Co-Op

Description:

Co-op Experience Summary

Educational assignments typically involve electrical design, computer programming, electronic assembly and/or testing. The student will participate in the program for 40 hours per week. This particular experience will involve RFI and EMC testing at the VLA. Related educational assignments will include the collection, analysis and presentation of monitoring system data, the location, identification and mitigation of detected RFI, performing RF power measurements in a RF reverberation chamber, and the installation and checkout of VHF/UHF receivers and antennas on VLA antenna support structures. The position will be based at Very Large Array (VLA), 50 miles west of Socorro, NM. The assignment will begin on or about January 7, 2019.

Environment

Assignment will take place in an indoor lab setting and outdoors on the instrument at a high altitude of 7,000 feet.

Additional Information

- Stipend support (issued biweekly)
- Transportation provided to the VLA from Socorro
- Application deadline: November 16, 2018

Position Requirements:

For consideration, applicants must:

- Be enrolled for the Fall 2018 (current) semester as a full-time student at a participating school;
- Be an undergraduate student
- Enrolled in the Cooperative Education Program at the participating school during the experience;
- If applicable, meet visa or citizenship requirements of the participating school;
- Have the approval of the student's advisor and/or department chair;
- Be of "late Freshman" through "early Senior" standing. (This is an undergraduate position only.)
- Have at least one semester remaining before graduation.
- Follow-on Coop appointments are encouraged.

Minimum Education

- Completed 30 semester hours of college credit before appointment begins;
- Earned at least a 2.6 grade point average;
- Completed at least 20 credit hours of electrical engineering, physics, and mathematics, and be a student in good standing in one of those departments.

Physical Demands

Ability to lift and carry up to 50 pounds, unassisted; climb ladder and stairs up to 100 feet.

For Consideration

To be considered, Co-op applicants must email all of the following documents by November 16, 2019, in a single file (file name format should conform to "LastName_SP2019Co-op"), to cgallego@nrao.edu:

- Current CV/Resume
- Letter of application
- Unofficial, current transcripts
- Letter of recommendation from student's academic advisor (optional)

The NRAO provides equal opportunities to all qualified applicants (M/F/D/V)