



PINEMAP Intern Program

Undergraduate Internship Announcement

Agency: Virginia Tech Department of Forest Resources and Environmental Conservation

General Description:

Program Objectives:

1. Engage undergraduate interns in research and teaching
2. Development and delivery of inquiry-based science lessons
3. Convey value and relevance of southern forests and climate change

Program Description:

The Pine Integrated Network: Education, Mitigation and Adaptation Project (PINEMAP) Intern Program provides undergraduate students with a research experience with a graduate student mentor and prepares them to successfully assist in teaching secondary school science or social studies classes. This program partners interns with graduate students based on interest areas. Selected undergraduate students will be provided the opportunity to work during a summer internship with a researcher in one of the following disciplines, or Aims: ecophysiology, silviculture, modeling, genetics, economics and policy, education, and extension. Interns will participate in data collection and hypothesis testing at a host university. Interns will then enroll in a fall distance education course in inquiry-based science education and work with classmates to develop and improve engaging lessons for secondary school life science, biology, or social study classes. Lesson topics will be based on research activities conducted during the past summer and draft materials developed for a PLT module. Interns will then visit classrooms in their communities to lead these inquiry-based activities. Examples may include understanding the carbon cycle, exploring the carbon on their campuses, life cycle analysis, genetics, and understanding the value of trees in mitigating climate change and in production of wood products.

Qualifications:

- Applicants must be a U.S. Citizen or hold a valid Green card
- Must have sophomore or junior status with GPA > 3.0
- Well-organized, strong verbal and written communication skills
- Mandatory enrollment in Fall 2012 distance learning course as an independent study at your institution
- Must be interested in natural resources, environmental science, or environmental studies as a potential career area





Compensation:

Intern Stipend of \$4,800 for 12 weeks of work (through the host university)
Intern Housing and Subsistence at host location (\$2,200)
\$1,000 for development of education material and travel to public schools (to your institution)

Conditions:

Students must relocate for field or lab research during Summer 2012
You will need a faculty sponsor (e.g., your advisor) at your institution to agree to sign you up for an independent study/special topics course in inquiry education and help you work with public or private secondary schools
Mandatory enrollment in distance inquiry-based teaching class for Fall 2012 (this may be substituted for a required public speaking course dependent on home university policy). This course will include topics on leadership, effective communication, and presentation development. Additionally, you will be required to give multiple presentations at local public schools on your own.

Submission Deadline: February 17, 2012

Announcement of Awards: March 15, 2012

To Apply:

Visit <http://www.pinemap.org/education/undergraduate/internship-announcement> for additional information and online application.
You will need to submit an essay approximately 500 words in length regarding why you want to be an intern. You should explicitly state which PINEMAP Aim you are interested in and explain your interest in that discipline. Essays can be pasted into the application, but will be in 12 pt Helvetica.
Emailed or hardcopy submissions will not be accepted.

Contact Information:

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