

**H**arvard Forest offers an exciting program for up to 30 undergraduate students from institutions across the country to collaborate with scientists conducting ecological research for 12 weeks during the summer of 2010.

**Program Description:** Each student will participate in an on-going study with senior researchers from Harvard University, Marine Biological Lab-Ecosystems Center, University of New Hampshire, University of Massachusetts and other collaborators. Responsibilities generally include field and laboratory studies, data analysis and scientific writing. In addition, students attend weekly seminars given by nationally known scientists about their research and workshops on ethics and career and graduate school planning. At the end of the summer, students will develop their research results and present their findings at a student research symposium.

**Research Projects:** Harvard Forest research focuses on the dynamics of forest ecosystems and their response to natural and human disturbances. Researchers come from many disciplines and specific projects center on population and community ecology, paleoecology, land-use history, aquatic ecology, biogeochemistry, ecophysiology, and atmosphere-biosphere exchanges. Projects in summer 2010 will focus on:

- Invasive Plants, Pests & Pathogens*
- Plant Biology, Population and Community Ecology*
- Large Ecosystem Experiments and Permanent Plot Studies*
- Conservation Biology and Biodiversity*
- Forest Ecosystem Response to Global Change*
- Soil Carbon and Nitrogen Dynamics*
- Reading and Conserving the New England Landscape*

**Compensation:** Students are paid a stipend of \$5520 for the 12-week session which runs from May 24 through August 13, 2010. Excellent on-site housing and a full meal plan are included as part of the program. Assistance with travel costs to and from Harvard Forest is also provided.

**Who Should Apply:** We seek a diverse group of students from a variety of undergraduate programs across the country. Students should have a demonstrated interest in ecology but are not required to have previous field/lab experience and there is no minimum GPA required. We accept students from all class years, and are particularly interested in recruiting students from community colleges, small teaching schools as well as larger research institutions.

**To Apply:** Visit <http://harvardforest.fas.harvard.edu/education/reu/reu.html> for our on-line application.

Applications are due February 5, 2010.

HARVARD UNIVERSITY HARVARD FOREST



# RESEARCH PROGRAM IN Ecology



# 2010 Summer

May 24 - August 13

<http://harvardforest.fas.harvard.edu>

# RESEARCH PROGRAM IN Ecology



The Harvard Forest, established in 1907, is one of the oldest and most intensively studied forests in North America. Research at the Forest focuses on grand challenges in ecology. Since 1988, the Forest has been a National Science Foundation Long Term Ecological Research (NSF LTER) site investigating the structure, function and dynamics of natural ecosystems in New England. In 2007, it was designated a Core Site in the NSF National Ecological Observatory Network (NEON), a major initiative to establish a continental scale platform for integrated ecological studies.

## Work on Challenging Research Issues

"The students who participate in this program have all the benefits of an intense "field" experience often working side-by-side with their mentor. I can not think of a better educational setting in which to foster the scientific creativity and skills needed to address the environmental challenges that face our society."

Prof. Missy Holbrook,  
Harvard University Faculty  
and program mentor



## Get Hands on Lab and Field Experience Mentored by Experienced Researchers



"[My mentor] helped me learn and grow in my understanding for the research I was doing here and in the greater [scientific] context."

UCal-Berkeley student

"The daily field work was amazing because it was a totally new experience which I had never done, and I really enjoyed every single part of it."

Harvard College student

## Live with Peers Interested in Science and Ecology

"The environment as a whole was the best part for me – a setting with lots of committed, creative and enthusiastic people I shared so many interests with was very inspiring."

Community College student



## Develop Relationships and Skills for the Future



"My mentors were always willing to help when needed, but also willing to leave me to my ways when I did not need help. They both treated me like I was a colleague and took my comments seriously."

Keene State College student

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324 North Main Street  
Petersham, MA 01366



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