

**H**arvard Forest offers an exciting program for up to 35 undergraduate students from institutions across the country to collaborate with scientists conducting ecological research for 11 weeks during the summer.

**Program Description:** Each student will participate in an ongoing study with senior researchers from Harvard University, the Ecosystems Center of the Marine Biological Lab, University of New Hampshire, University of Massachusetts, Boston University, and other collaborators. Responsibilities generally include field and laboratory studies, computer modeling, data analysis, and scientific writing. In addition, students attend weekly research seminars given by nationally known scientists, workshops on research and ecological ethics, and career and graduate school panels. 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. While some summer projects involve a single mentor and student, there are several interdisciplinary group projects. These consist of 2 or 3 students working collaboratively with 2 or 3 mentors as a single team. Project areas include population and community ecology, paleoecology, land-use history, conservation management, statistics and modeling, biogeochemistry, and ecophysiology. Projects include but are not limited to:

Invasive Plants, Pests & Pathogens

Conservation Management and Biodiversity

Plant Biology, Population and Community Ecology

Watershed and Aquatic Ecology

Atmosphere-Biosphere Exchanges

Forest Ecosystem Response to Global Change

Soil Carbon and Nitrogen Dynamics

Reading and Conserving the New England Landscape

**Compensation:** Students are paid a stipend in excess of \$5,775 for the 11-week session which runs from mid May through early August. 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 majors, and are particularly interested in recruiting students from community colleges and small teaching schools, as well as larger research institutions.

**To Apply:** Visit <http://harvardforest.fas.harvard.edu/other-tags/reu> for project descriptions. Online applications are available after December 1st.

Applications are due the first Friday in February.

HARVARD UNIVERSITY HARVARD FOREST

# RESEARCH PROGRAM IN Ecology



# Summer



# RESEARCH PROGRAM IN Ecology

The Harvard Forest, established in 1907, is one of the oldest and most intensively studied research 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 cannot 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



Internship Opportunity - please post  
Application Deadline: First Friday in February  
Apply on-line after 12/1: <http://harvardforest.fas.harvard.edu/>

# RESEARCH PROGRAM IN Ecology



# Summer

11 Week Internship

