

Air Pollution Education and Research (APER) at UC Davis

A Summer Undergraduate Internship Program
June 20 - August 29, 2011

PROGRAM GOALS

We have two goals: (1) to provide rising junior and senior undergraduate students (you) with an opportunity to gain hands-on experience in research related to air pollution by working with graduate students and professors at UC Davis, and (2) to give you an overview of graduate school – what it's like, what it takes, and what you are likely to get out of it.



PROGRAM ACTIVITIES

In addition to working on your research, APER students will meet weekly for seminars to learn and discuss scientific topics such as:

- Climate Change
- Environmental Policy
- Health Effects of Air Pollution
- Economics and Air Pollution
- Environmental Justice Issues
- Data Analysis and Visualization

We will also have workshops to discuss various aspects of graduate school, including:

- Introduction to graduate school
 - Should you go?
 - What to look for
 - How to apply
- Job market and career guidance
- Ethics
- Scientific Writing
- How to Give Oral and Poster Presentations

RESEARCH PROJECTS FOR SUMMER 2011

As an undergraduate student in APER you will be partnered with a graduate student and faculty member at UC Davis to work on a graduate-level research project. Air pollution research and education at UC Davis focus on issues such as: urban and regional smog, transportation and policy, global climate change, health and environmental effects, agricultural emissions, environmental justice, and economics.

Please review the participating faculty and labs on our website. On the application you will rank your top three lab choices. ***Participating labs will be announced by January 2011***



Planned Field trips

- Bodega Bay Marine Lab
- Crocker Nuclear Lab
- Lake Tahoe Research Center
- Sierra Nevada Mountains
- California Air Resources Board

For more information about UCD faculty and air pollution research, please see:

<http://airquality.ucdavis.edu>



For more information on the
APER program,
please see:
<http://aah.ucdavis.edu/aper>

WHO IS ELIGIBLE

Rising junior and senior undergraduates who are currently registered at a two- or four-year college and who will not receive their Bachelor's degree prior to May 2012. Women and members of demographic groups traditionally underrepresented in graduate school are particularly encouraged to apply. Within these guidelines, we encourage any student with an interest in air pollution to apply; typical majors include, but are not limited to, biology, toxicology, engineering, chemistry, physics, math, sociology, environmental studies and economics. (Note to UC Davis undergraduates: may apply, but, non-UCD students will get first priority.)



STIPEND & HOUSING

As an APER student you will receive:

- A stipend of \$4,000 for the 10-week session
- Housing with other students in a shared, on-campus dormitory with a resident advisor
- Three excellent meals per day at the dining hall
- Funding for travel to and from Davis, CA
- Multiple exciting field trips

APPLICATION

There are four parts to the application:

1. An online form;
2. A copy of your transcripts, including current classes;
3. One letter of recommendation, preferably from someone who can speak about your work in class, an internship, laboratory research, or the like;
4. A two-page personal statement explaining:
 - a) why you are interested in the program,
 - b) what types of research projects you would be interested in working on,
 - c) what you would like to do after you finish your undergraduate degree.

[APPLY ONLINE](#)

IMPORTANT DATES

January 5, 2011: Begin accepting applications

February 18, 2011: Application DUE

March, 2011: Final application decisions made

March 25, 2011: Deadline to accept or decline our offer

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