



The Department of Energy (DOE) - Office of Science

The Pre-Service Teacher Program (PST) 2004 Argonne Summer Program Description

Who:	Students majoring in K12 education in areas of science, math, and technology. Prospective graduates may apply if they do not expect to begin professional teaching before the summer session concludes.
When:	A ten-week summer program: June 1 - August 6, 2004.
Where:	Argonne National Laboratory and other Department of Energy labs.
Stipend:	\$400 per week for ten weeks.
Housing:	Provided at Argonne with a \$75.00 per week housing allowance.
Travel Reimbursement:	Up to \$350 is available to non-commuting participants.
Application Deadline:	Flexible dates - February 1, 2004 labs begin reviewing and selecting applicants with April 1 as the absolute deadline for that process. Most participants will be selected in February.

The Pre-service Teacher Program began as a joint initiative between NSF and DOE. The purpose was/is to give future science, math, and technology teachers experience and understanding of the research process, i.e., to work closely with a staff scientist on a real project. A formal scientific paper is required on some element of this research at the end of the ten-week period. Both "bench" and library research are major requirements of the research paper. A formal powerpoint presentation will be required of each participant during the last week of the appointment.

Another major goal of the program is to transfer this experience into a useable lesson plan or Idea Journal for teaching at a particular grade level. Elements of inquiry-centered learning and best practice will be interwoven into the weekly experiences and serve as a broad foundation for this development. Argonne's master teacher, Nancy Nega, will be working very closely with participants and supporting them in both group and one-to-one sessions. Nancy is a veteran science teacher in Elmhurst Public School District 205, a Presidential Awardee (1995), a National Board Certified Teacher. Each year the program has received many positive testimonials and high ratings from participants due in part to the master teachers's mentoring efforts!

Program Deliverables

1. Personal Journal
2. Research Abstract
3. Research Paper or Poster Session
4. Oral Presentation of Research
5. Educational Module or Lesson Plan
6. Ed Module Presentation

An option of 4.0 semester hours of graduate credit will be available for participants who have graduated by June 1, 04

For more information and application go to:

<http://www.scied.science.doe.gov/scied/PST/about.htm>

<http://www.dep.anl.gov/PST/PST.htm>

Argonne Program Contacts:

Lou Harnisch 630-252-6925

Nancy Nega 630-832-8682

lharnisch@dep.anl.gov

n.nega@comcast.net

