

Science Undergraduate Laboratory Internships

Issue No. 76

Program Coordinator

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Program Description:

The DOE Office of Science Workforce Development for Teachers and Scientists (WDTS) group provides funding to support 10-week scientific and technical internships during the summer at the DOE national laboratories. LANL hosts approximately 20 of these students every year. The funding that is provided by the DOE, the Laboratory Directed Research and Development, and host organizations makes it financially more attractive to prospective mentors thereby enhancing the likelihood that an undergraduate student will be successful in getting a LANL internship.

Primary Outcomes:

Students will develop a better understanding of how scientific research is conducted and the scientific research mission of the DOE. Students are also expected to develop skills in all aspects of scientific productivity including data collection, analytical techniques, and publishing results.

Areas Served:

Nationwide;

Grade Level:

Undergraduate;

Leading Organization:

STBPO-EPDO

Program Address/Mailstop:

M709

Number of Individuals Served by the Program per Fiscal Year:

Approximately 20 students are recruited.

Year Program Started:

Program Partners:

Laboratory host organizations provide 50% of the required funding.

Funding received:

\$70,000 from Dept. of Energy and \$50,000 from Lab Directed Research and Development

Resources/Materials provided to program participants:

Participants are provided with student salaries and the tools required to perform their assigned research activities.

Other funding sources:**Program Cost:**

\$220,000 per summer

Other learning objectives:

Participants are expected to participate in professional development opportunities such as resume writing, technical writing, business communications, delivering technical talks, and job interview skills.

Best Practices:

The participants do very well in the annual student research symposium. The Laboratory has also compared well against other DOE labs hosting the program.

How program outcomes are accessed:

Participants complete self-assessment survey instruments. Participant products (abstracts, posters, papers) are also evaluated.

Reporting Requirements:

End of year assessment is compiled by the DOE sponsor organization.

Cost per participant:

\$11,000 per student per summer

Participant Application Process:

See: <http://science.energy.gov/wdts/suli/>

Program Recruitment Initiatives:

Students are recruited by Laboratory mentors. The student programs team notifies all student mentors at the time the recruitment window opens (Feb. 1). All positions for the current fiscal year have been filled.

Targeted Diversity Groups:

Type of Program:

Student Programs;

Program Website/URL:

<http://www.lanl.gov/education/>

Projected Length of Program:

Summer;

Primary funding source:

Government;

Program Evaluation:

Formal/External; Informal/Internal;
