



**U.S. Department of Energy**  
Office of Science  
Workforce Development for Teachers and Scientists  
Summer Internships (SULI, CCI, FaST, PST)

## Required Program Deliverables – Page 1 of 3

Four deliverables are required from **all students** in the following programs:

- Science Undergraduate Laboratory Internships (SULI)
- Community College Institute (CCI)
- Pre-Service Teachers (PST)
- Faculty and Student Teams (FaST)

### 1. Pre-Survey

Within your first week at the lab, **you must complete the pre-survey** posted on your EducationLink (EduLink) account. The pre-survey is only available for a specified time period (see table below) and must be submitted online within that time period.

### 2. Abstract

Note: FaST Team members may prepare individual or jointly authored abstracts **Prepare an abstract of your research.** Abstract writing guidelines, scoring rubrics, and abstract examples are available on the EduLink “**Key Resources & Information Page.**” Your abstract can only be submitted on EduLink, and must be submitted before the completion of your internship or earlier as specified by your Laboratory. All abstracts will be considered for publication in the *Journal of Undergraduate Research (JUR)*.

### 3. Research Paper–OR–Research Poster

NOTE: A paper is required for all second term SULI students. FaST Team members may prepare individual or jointly authored papers or posters.

#### a. Research Paper

**Complete a written research paper** about the research conducted during your internship. Paper writing guidelines are available on the EduLink “**Key Resources & Information Page.**” All papers must be uploaded on EduLink and may be considered for publication in the *Journal of Undergraduate Research (JUR)*.

**OR**

#### b. Research Poster

**Submit a copy of a poster** about your research prepared for a poster session. Guidelines for preparing for a poster session are available on the EduLink “**Key Resources & Information Page.**” Research posters must be uploaded on EduLink and may be submitted to the DOE’s Science Energy Research Challenge (SERCh) competition.

### 4. Post-Survey

During your last week at the lab, **complete the post-survey** posted on your EduLink account. The post-survey is only available for a specified period (see table below) and can only be accessed and submitted on EduLink.



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**Required Program Deliverables cont'd.** – Page 2 of 3

**Please Note: PST participants** have one additional deliverable as described on the following page.

**All deliverables should be uploaded via your EduLink account.**

The navigation tool bar contains the following links for this purpose.

- Surveys can be found and completed at the “Surveys” link. These surveys are only available for specified length of time and must be completed during that timeframe. See below for dates.
- You should submit all other deliverables by following instructions at the “Submit Deliverables” Link.

**Deliverable Deadlines**

<b>Deliverables – Due Dates for Summer 2009</b>	
<b>1. Pre Survey</b>	<b>June 1 through June 30</b>
<b>2 Abstract</b>	<b>August 30</b>
<b>3. Paper or Poster</b>	<b>August 30</b>
<b>4. Post Survey</b>	<b>July 1 through August 30</b>
<b>5. Reflection (PST students only)</b>	<b>August 30 or as specified by the Master Teacher</b>



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**Required of PST Interns Only** (*in addition to the four requirements above*):

As a pre service teacher your laboratory experience must be viewed from a unique perspective. While you serve your internship as an active member of a scientific research team, you must also be cognizant of how your experience will impact your future role as an educator. As a scientist, you are expected to complete an abstract of your research as well as a scientific paper or poster. As a future educator, you are also expected to keep one eye focused on how the science you learn can be used to enhance your classroom teaching. For this reason, **one additional deliverable is required from all PST interns**. Your master teacher will support and assist you in meeting this requirement as described below.

**Required Reflection**

Teaching and learning science and practicing science are considered by many to be mutually exclusive. One of the goals of the PST program is to narrow the gap separating these endeavors by providing an opportunity to reflect on the relationships among these realms. For this requirement you are asked to compare your experience with **science in the laboratory** to your experience(s) with **science in the classroom**.

You may choose several alternative products, subject to approval from your Master Teacher, to complete this deliverable. Options include but are not limited to:

1. An education module that is inquiry-based and related to your research,
2. A “Teacher as Scientist” Essay,
3. Written reviews of at least three recent articles that discuss pedagogy for teaching “hands-on, inquiry based” science at the grade level of your choice,
4. A reflective journal of your research experience,
5. Research Notebook, or
6. Electronic portfolio that demonstrates your work and thinking regarding the implementation of your research work in a classroom setting.