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draft

Controlled by: Office of Workforce Development for Teachers and
Scientists | Ping Ge

01/02/2025

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Standard Form 901 (11-18)
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CUI

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Apply validation ☒ Display conditions ☐ Jump to page P1 – Education **DOE F 413.43 - Science Undergraduate Laboratory Internship (SULI) Program Long-Term Follow-up Study Survey for Non-Alumni**

DOE F 413.43
(01/2025)
All other editions are obsolete

U.S. DEPARTMENT OF ENERGY
OFFICE OF WORKFORCE DEVELOPMENT FOR TEACHERS
AND SCIENTISTS (WDTS)
SCIENCE UNDERGRADUATE LABORATORY INTERNSHIP
(SULI)
LONG-TERM FOLLOW-UP STUDY

OMB Control No.
Exp. Date

PAPERWORK REDUCTION ACT
BURDEN DISCLOSURE STATEMENT

This data is being collected to evaluate the longer-term impact of the Science Undergraduate Laboratory Internship (SULI) program on past participants (those completing appointments between 9/2013 and 8/2016) in terms of appointment experience and resulting research proficiency, collaboration with researchers of the agencies that sponsored their appointment, scholarly accomplishments, education, and employment, and to investigate whether these outcomes differ in a group of similar individuals who applied to the SULI program during the same timeframe (9/2013 to 8/2016) but did not ultimately complete a SULI internship. The data you supply will be used for research and evaluation purposes to support ongoing program monitoring and enhancement efforts.

The public reporting burden for this collection of information is estimated to average 35 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of the Chief Information Officer, Enterprise Policy Development & Implementation Office, IM-22, Information Collection Management Program (DOE F 413.42 / 413.43), U.S. Department of Energy, 1000 Independence Ave SW, Washington, DC 20585; and to the Office of Management and Budget (OMB), OIRA, Paperwork Reduction Project (DOE F 413.42 / 413.43), Washington, DC 20503.

Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB control number.

Submission of this data is voluntary.

PRIVACY ACT STATEMENT

DOE Privacy Act Statement: Pursuant to 5 U.S.C. § 552a(e)(3), this Privacy Act Statement serves to inform you of the following concerning the collection of the information on this form.

Authority: Collection of the information solicited on this form is authorized by the Department of Energy Science Education Enhancement Act of 1991 (42 USC 7381; Public Law 105-510). The information is collected to document the SULI cohorts through their career trajectory. This study will answer questions concerning long-term impact on participants as compared to their peers who did not participate in the SULI program. Collection of this information is voluntary.

Purpose: The purpose of the longitudinal follow up study of SULI past participants and applicants is to evaluate the longer-term impact of the program on past participants (those completing appointments between 9/2013 and 8/2016) in terms of appointment experience and resulting research proficiency, collaboration with researchers of the agencies that sponsored their appointment, scholarly accomplishments, education, and employment, and to investigate whether these outcomes differ in a group of similar individuals who applied to the SULI program during the same timeframe (9/2013 to 8/2016) but did not ultimately complete a SULI internship. This study is being conducted by the Oak Ridge Institute for Science and Education (ORISE) on behalf of the Department of Energy Office of Science (DOE SC) Workforce Development for Teachers and Scientists (WTDS) program.

Routine Uses: Your data will be used for research and evaluation purposes. The categories of personal data to be collected include name, address, email address, telephone number, demographic information, education and employment history, citizenship status, and disability status. ORISE may share your personal data with third parties who collect, store, and process data on behalf of ORISE and who are contractually obligated to keep data confidential, subject to appropriate protections to prevent it from unauthorized disclosure. Data collected under this authorization may also be shared with the Workforce Development for Teachers and Scientists (WDTs) program that manages SULI. The information solicited on this form may be made available as a "routine use" to other government agencies as listed in System of Records Notice DOE-82, *Grant and Contract Records for Research Projects, Science Education, and Related Activities*. The Department's SORNs can be found on the Department's website at: (click on link to view documents) <https://www.energy.gov/cio/doe-privacy-compliance-documents>.

Disclosure: Participation in the study is completely voluntary. You are free to withdraw at any time. Your personal data will be stored on an encrypted secure server. All personal data will be stored in accordance with the record retention requirements applicable to ORISE as a United States Department of Energy contractor, and any other applicable U.S. laws. You have the right to request access to, rectify, erase, and restrict the processing of your personal data, and you may also revoke consent to use your personal data at any time.

Consequences of Failure to Provide Information: Participation is completely voluntary. Individuals are under no obligation to respond to this data collection under any federal, state, or local law, statute, or regulation.

INSTRUCTIONS FOR COMPLETING SURVEY

Thank you for taking the time to complete a survey that will help us to evaluate the impacts of the Science Undergraduate Laboratory Internships (SULI) program.

This survey is voluntary and will take approximately 20 to 30 minutes to complete. You may save your answers at any time and return later to continue, using the custom link that was provided to you via email.

All information that you provide on this form will be treated as **confidential**. Information will be released only in statistical summaries or in a way that **does not identify a particular person**. Questions can be directed to (click on the link to send an email to the study coordinator): SULI-study@orau.org.

You may use the tab key on your keyboard to move through the questions and response options; then press the space key to select your response. To move back to a previous question or item, use shift+tab.

- Please list the year in which you first applied to SULI. Your best estimate is fine.

Use the format YYYY.

Educational Attainment

- Please provide the following information for the **FIRST** bachelor's degree you earned.

If you have not earned a bachelor's degree, leave the requested information blank.

	Institution name	City	State (postal abbreviation) or country	Degree Abbrev. (BA, BS, etc.)	Completed:	Degree date (MM/YYYY)	Degree field	Relevant to current work/field?	Check if you were working on this degree during your 1st SULI appointment.
FIRST bachelor's degree									☐

- We are also interested in other degrees you have earned in addition to the bachelor's degree referenced in the previous question. Please provide the following information for degrees you have earned from most recent to least recent (excluding the bachelor's degree previously provided).

If you have not earned any degrees in addition to the degree listed in the previous question (other bachelor's degrees, associate's degrees, or higher) leave the requested information blank.

	Institution name	City	State (postal abbreviation) or country	Degree type	Degree Abbrev. (MA, MS, PhD, JD, MFA, etc.)	Completed:	Degree date (MM/YYYY)	Degree field	Relevant to current work/field?	Check if you were working on this degree during your 1st SULI appointment.
Most recent degree										☐
2nd Most recent										☐
3rd Most										☐

	Institution name	City	State (postal abbreviation) or country	Degree type	Degree Abbrev. (MA, MS, PhD, JD, MFA, etc.)	Completed:	Degree date (MM/YYYY)	Degree field	Relevant to current work/field?	Check if you were working on this degree during your 1st SULI appointment.
recent										
4th Most recent				▼		▼	__/__/	▼	▼	☐

- The next question asks about the TOTAL amount you have borrowed to finance undergraduate and graduate degrees you completed before [insert DATE], and how much you still owed as of [insert DATE].

Include the cost of tuition, room and board, fees, books, and supplies if they were part of the amount borrowed. If you have more than one graduate degree, please report the financing for all of the graduate degrees earned. Mark one answer in each of the four columns below.

	COMPLETED UNDERGRADUATE DEGREES		COMPLETED GRADUATE DEGREES	
	Total Amount Borrowed	Amount Still Owed as of [insert DATE]	Total Amount Borrowed	Amount Still Owed as of [insert DATE]
Did not earn a degree at this level	☐	☐	☐	☐
\$0	☐	☐	☐	☐
\$1 - \$10,000	☐	☐	☐	☐
\$10,001 - \$20,000	☐	☐	☐	☐
\$20,001 - \$30,000	☐	☐	☐	☐
\$30,001 - \$40,000	☐	☐	☐	☐
\$40,001 - \$50,000	☐	☐	☐	☐
\$50,001 - \$60,000	☐	☐	☐	☐
\$60,001 - \$70,000	☐	☐	☐	☐
\$70,001 - \$80,000	☐	☐	☐	☐
\$80,001 - \$90,000	☐	☐	☐	☐
\$90,001 or more	☐	☐	☐	☐

- Have you ever taken courses at a community college?

If yes, you will be asked to provide additional detail.

- ☐ Yes
☐ No

- Are you currently enrolled in or taking courses at a postsecondary institution?

If yes, you will be asked to provide additional detail.

- ☐ Yes, full-time student in a degree program
☐ Yes, part-time student in a degree program
☐ Not enrolled in a degree program, but taking courses, pursuing a certificate, or other education at a postsecondary institution
☐ No

- Not including any degree program in which you may be enrolled currently, since [INSERT YEAR OF SULI APPLICATION], have you enrolled in any degree(s) that you did not complete?

If yes, you will be asked to provide additional detail.

- ☐ Yes
☐ No

- Do you plan on pursuing additional education in the next five years?

If yes, you will be asked to provide additional detail.

- ☐ Yes
☐ No

To save your responses and move to the next page, select 'Next.' To save your responses and continue the survey later, select 'Continue later.'

Progress: 20%

Continue later

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DOE F 413.43 - Science Undergraduate Laboratory Internship (SULI) Program Long-Term Follow-up Study Survey for Non-Alumni

Value of Research Experience

- Did you participate in a mentored research experience or internship as an undergraduate or within two years after graduating?

If yes, in the next question you will be asked to provide additional detail.

☐ Yes

☐ No

- Did your undergraduate STEM coursework influence you to seek a higher degree?

☐ Yes

☐ No

☐ Not applicable - Did not seek a higher degree

- Please provide the following information for any mentored research experiences or internships you have completed (up to five), starting with your most recent experience.

	Sponsor Type	Sponsor name	Program name	City you participated in:	State you participated in:	Length of your appointment	Completed:	Relevant to current work/field?
Most recent experience								
2nd Most recent								
3rd Most recent								
4th Most recent								
5th Most recent								

- Thinking of your undergraduate STEM coursework, rate the extent to which you agree that this coursework left you better prepared for the following:

	Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Not applicable or cannot attribute to STEM coursework	Briefly explain your ratings.
Additional education	☐	☐	☐	☐	☐	☐	
A career in science or engineering	☐	☐	☐	☐	☐	☐	
A research-related career	☐	☐	☐	☐	☐	☐	
Working independently on a project or assignment	☐	☐	☐	☐	☐	☐	

• Thinking of your experiences since your undergraduate STEM coursework, rate the extent to which you agree that your STEM coursework helped you achieve the following kinds of goals:

	Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Not applicable or cannot attribute to STEM coursework	Briefly explain your ratings.
Career/professional goals	☐	☐	☐	☐	☐	☐	
Educational goals	☐	☐	☐	☐	☐	☐	
Personal goals	☐	☐	☐	☐	☐	☐	

To save your responses and continue the survey at a later time, select 'Next.' To save your responses and continue the survey later, select 'Continue later.'

Progress: 40%

[Continue later](#)

[Next](#)

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Jump to page P3 – Research Productivity and Accomplishments ▼



DOE F 413.43 - Science Undergraduate Laboratory Internship (SULI) Program Long-Term Follow-up Study Survey for Non-Alumni

Research Productivity

- Since your [YEAR of SULI APPLICATION] or since your mentored research experience (if applicable), have you authored or co-authored any scholarly publications, attended conferences, taught any courses, or produced any other research products?

If yes, in the next question you will be able to provide detail.

☐ Yes

☐ No

- Since [YEAR of SULI APPLICATION] or since your mentored research experience (if applicable), have you submitted any patent applications or received any patents?

If yes, you will be asked to provide detail in the next question.

☐ Yes

☐ No

- Have you received any awards or honors since [YEAR of SULI APPLICATION] or since your mentored research experience (if applicable)?

If yes, in the next question you will be able to provide detail. Do not report grants or contracts as awards/honors; these will be counted later.

☐ Yes

☐ No

- At any time since [YEAR OF SULI APPLICATION] or since your mentored research experience (if applicable), have you applied for any of the following types of grants/contracts as a Principal Investigator (PI) or Co-PI?

(Mark Yes or No for each item.)

For each item marked Yes, you will be asked to provide additional detail in the next question.

	Yes	No
Federal government	☐	☐
State government	☐	☐

	Yes	No
Local government	☐	☐
Foundation	☐	☐
Business/Industry	☐	☐
My employing organization	☐	☐
Not-for-profit agency	☐	☐
Professional society or association	☐	☐

• **Have any of the grants/contracts you have applied to or obtained been administered by the U.S. Department of Energy?**

- ☐ Yes
☐ No
☐ Don't know

• **Since [YEAR of SULI APPLICATION] or since your mentored research experience (if applicable), what professional services have you undertaken? (Check all that apply.)**

- ☐ Conference presentation proposal reviewer
☐ Manuscript/chapter reviewer
☐ Professional journal article reviewer
☐ Department Chair
☐ Departmental committee
☐ Institutional/company-wide committee
☐ Professional organization committee
☐ Local community/government committee/panel
☐ State-level committee/panel
☐ National committee/panel
☐ Off-campus peer review panel, accreditation and certification team
☐ Member of editorial board of professional journal
☐ Editor of professional journal
☐ Professional peer review of grant proposals
☐ Involved in K-12 Science, Technology, Engineering, Mathematics (STEM) policy
☐ Outreach to K-12 professionals
☐ Participated in professional development activities for K-12 teachers
☐ No professional service
☐ Other

• **Are you a member of a professional association, society or institute? (Check all that apply.)**

- ☐ American Association for the Advancement of Science (AAAS)
☐ American Chemical Society (ACS)

- ☐ American Geophysical Union (AGU)
- ☐ American Institute of Chemical Engineers (AICE)
- ☐ American Institute of Mining, Metallurgical, and Petroleum Engineers (AIMMPE)
- ☐ American Meteorological Society (AMS)
- ☐ American Nuclear Society (ANS)
- ☐ American Physics Society (APS)
- ☐ American Society for Metals International (ASMI)
- ☐ American Society for Microbiology (ASM)
- ☐ American Society of Biochemistry and Molecular Biology (ASBMB)
- ☐ American Society of Civil Engineers (ASCE)
- ☐ American Society of Mechanical Engineers (ASME)
- ☐ Association for Computing Machinery (ACM)
- ☐ Geological Society of America (GSA)
- ☐ Institute of Chemical Engineers (ICHEME)
- ☐ Institute of Civil Engineers (ICE)
- ☐ Institute of Electrical and Electronics Engineers (IEEE)
- ☐ Institute of Mechanical Engineers (IMECHE)
- ☐ International Federation of Robotics (IFR)
- ☐ Nuclear Energy Institute (NEI)
- ☐ Society for Mining, Metallurgy, and Exploration (SMME)
- ☐ Society for Protective Coatings (SSPC)
- ☐ Society of Petroleum Engineers (SPE)
- ☐ The Society for Standards Professionals (SES)
- ☐ Other

Program Endorsement and Alumni Involvement

- **Have you ever recommended your mentored research experience to others since completing the research experience program?**

- ☐ Yes
- ☐ No

If yes, please briefly describe. If no, why not?

0 / 4000

- **Have you ever participated as a mentor, host, or collaborator in a research experience program?**

- ☐ Yes
- ☐ No

If yes, please briefly describe the program and your activities.

0 / 4000

To save your responses and move to the next page, select 'Next.' To save your responses and continue the survey later, select 'Continue later.'

Progress: 60%

Continue later

Next

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Jump to page P4 – Employment



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Current Employment

• **What is your current employment status?**

Note: Employment includes being a student in a university-paid position.

If your response indicates that you are currently working for pay (including paid postdoctoral appointments and university-paid positions), you will be asked additional questions about your employment. Otherwise, you will be asked about the reason(s) you are currently not working for pay.

- ☐ Employed
- ☐ Postdoctoral appointment
- ☐ Currently not working for pay

Previous Employment

• **Since [YEAR OF SULI APPLICATION] or since your mentored research experience (if applicable), and excluding your current job if currently employed, have you had OTHER work for pay?**

If yes, you will be asked to provide additional information about your other work for pay.

- ☐ Yes
- ☐ No

• **Since [YEAR OF SULI APPLICATION] or since your mentored research experience (if applicable), and excluding your current job if currently employed, have you ever applied for a position or previously been employed at the U.S. Department of Energy as a federal employee/civil servant?**

If yes, you will be asked to provide additional information about which Offices within the DOE you have applied to or where you were previously employed as a federal employee/civil servant.

	Yes	No
Applied for a position	☐	☐
Previously employed	☐	☐

• **Since [YEAR OF SULI APPLICATION] or since your mentored research experience (if applicable), excluding your current job if currently employed, have you ever applied for a position or previously been employed at the U.S. Department of Energy as a non-federal employee (including contractors at agency headquarters, contractor-operated**

national laboratories, postdocs, interns, etc.)?

If yes, you will be asked to provide additional information about which Offices within the DOE you have applied to or where you were previously employed as a non-federal employee.

	Yes	No
Applied for a position	☐	☐
Previously employed	☐	☐

- Since [YEAR OF SULI APPLICATION] or since your mentored research experience (if applicable), and excluding your current job if currently employed, have you ever applied for a position or previously been employed at a U.S. DOE national laboratory?

If yes, you will be asked to indicate which U.S DOE national laboratory you have applied to, or where you have previously been employed.

	Yes	No
Applied for a position	☐	☐
Previously employed	☐	☐

To save your responses and move to the next page, select 'Next.' To save your responses and continue the survey later, select 'Continue later.'

Progress: 80%

Continue later

Next

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Jump to page P5 – Demographics



DOE F 413.43 - Science Undergraduate Laboratory Internship (SULI) Program Long-Term Follow-up Study Survey for Non-Alumni

About You

Demographic data are important in assessing our efforts to solicit applications from a diverse population. You may decline to provide any of this information.

• **Are you a veteran of the United States Armed Forces?**

- ☐ Yes, I am a veteran
- ☐ No, I am not a veteran
- ☐ I choose not to respond

• **What is your sex?**

- ☐ Male
- ☐ Female
- ☐ I prefer not to respond

• **Are you of Hispanic, Latino, or Spanish origin?**

- ☐ No, not of Hispanic, Latino, or Spanish origin
- ☐ Yes, Mexican, Mexican American, Chicano
- ☐ Yes, Puerto Rican
- ☐ Yes, Cuban
- ☐ Yes, another Hispanic, Latino, or Spanish origin
- ☐ I prefer not to respond

If you selected "Yes, another Hispanic, Latino, or Spanish origin" please specify, for example, Salvadoran, Dominican, Colombian, Guatemalan, Spaniard, Ecuadorian, etc.

0 / 4000

• **What is your race?**

Choose all that apply

- ☐ White
- ☐ Black or African American
- ☐ American Indian or Alaska Native
- ☐ Chinese
- ☐ Filipino
- ☐ Vietnamese
- ☐ Japanese
- ☐ Asian Indian
- ☐ Other Asian
- ☐ Native Hawaiian
- ☐ Samoan
- ☐ Chamorro
- ☐ Other Pacific Islander
- ☐ Some other race
- ☐ I prefer not to respond

If you selected "Some other race " please specify race or origin:

0 / 4000

Disability:

You are considered to have a disability if you have a physical or mental impairment or medical condition that substantially limits a major life activity, or if you have a history or record of such an impairment or medical condition. Disabilities include, but are not limited to:

Autism
Autoimmune disorder, for example, lupus, fibromyalgia, rheumatoid arthritis, or HIV/AIDS
Blind or low vision
Cancer
Cardiovascular or heart disease
Celiac disease
Cerebral palsy
Deaf or hard of hearing
Depression or anxiety
Diabetes
Epilepsy
Gastrointestinal disorders, for example, Crohn's Disease, or irritable bowel syndrome
Intellectual disability
Missing limbs or partially missing limbs
Nervous system condition for example, migraine headaches, Parkinson's disease, or Multiple sclerosis (MS)
Psychiatric condition, for example, bipolar disorder, schizophrenia, PTSD, or major depression

• Please check one of the boxes below:

- ☐ Yes, I have a disability or have a history/record of having a disability
- ☐ No, I don't have a disability, or a history/record of having a disability
- ☐ I prefer not to respond.

• What is the highest level of education completed by your parents or guardians?

	Level of Education
Parent/Guardian 1	
Parent/Guardian 2	

Optional: Provide your contact information, where you can be reached. This contact information may be used for additional research follow-up (including clarifications of your survey responses), to contact you to participate in future studies of the long-term impact of the SULI program, or to contact you regarding opportunities to be involved in SULI alumni activities. Even if you choose to provide contact information, your other survey responses will be confidential and will not be shared or reported in a way that can identify you as an individual.

• Primary email address:**• Secondary email address:****• Your location:**City: State: **• Please check this box to indicate your permission to be contacted about this and future research studies:**☐ I agree**• Please check this box to indicate your permission for the SULI program to retain your updated contact information and to be contacted for future research and/or alumni opportunities:**☐ I agree**• Your phone number:****• Is this a mobile number?**☐ Yes☐ No

- Please check this box to indicate your permission to be contacted by SMS text:

☐ I agree

- Please check this box to indicate your permission to be contacted by phone call:

☐ I agree

To save your responses and move to the next page, select 'Next.' To save your responses and continue the survey later, select 'Continue later.'

Progress: 100%

Continue later

Next