

ATTENTION

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draft

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ATTENTION

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Standard Form 901 (11-18) Prescribed by GSA/ISOO | 32 CFR 2002



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

U.S. DEPARTMENT OF ENERGY

OMB Control No. Exp. Date

OFFICE OF WORKFORCE DEVELOPMENT FOR TEACHERS
AND SCIENTISTS (WDTS)

SCIENCE UNDERGRADUATE LABORATORY INTERNSHIP
(SULI)
LONG-TERM FOLLOW-UP STUDY

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 <u>confidential</u>. 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.

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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	JNDERGRADUATE DEGREES	COMPLETI	ED 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
\bigcirc 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
O 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 co	ntinue the survey later, select 'Continue later.'
Ε [Progress: 20%
Continue later	Next

Preview options				
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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.
	Ov

	-	-	-
()	N	-	١.

 Did your undergraduate STEM coursework influence you to seel 	a ا	ı hiç	her	deg	ree
----------------------------------------------------------------------------------	-----	-------	-----	-----	-----

 \bigcirc No

• 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:

O Not applicable - Did not seek a higher degree

		Strongly disagree	Disag	gree N	Neutral	Agree	Strongly agree	Not applicable or can attribute to STEM coursework	Briefly explain your ratings.
Additional education		0	С		0	0	0	0	
A career in science or eng	ineering	0	С		0	0	0	0	
A research-related career		0	С		0	0	0	0	
Working independently on assignment	a project or	0	С		0	0	0	0	
hinking of your experien	-						Not appli		EM coursework helped you achieve the following kinds of g
hinking of your experien	ces since your und						Not appli	cable or cannot	EM coursework helped you achieve the following kinds of g Briefly explain your ratings.
	-						Not appli		
Career/professional goals	Strongly disagree	Disagree	Neutral	Agree		gly agree	Not appli	cable or cannot STEM coursework	

Preview options	
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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.

\bigcirc	Yes

\bigcirc	No	

 Since [YEAR of SULI APPLICATION] or since your mentored rese 	arch experience (if applicable)	, have you submitted any pat	ent applications or received an	y patents?
If yes, you will be asked to provide detail in the next question				

 \bigcirc 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.

0	Yes
\bigcirc	Yes

O 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	0	0
State government	0	0

	Yes	No
Local government	0	0
Foundation	0	0
Business/Industry	0	0
My employing organization	0	0
Not-for-profit agency	0	0
Professional society or association		0
Have any of the grants/contracts	vou h	2VA :
O Yes	you ii	ave
○ Yes ○ No		
O Don't know		
Since [YEAR of SULI APPLICATI		
Conference presentation propos	al revi	ewer
Manuscript/chapter reviewer		
☐ Professional journal article revie ☐ Department Chair	wer	
Departmental committee		
☐ Institutional/company-wide com	mittee	
☐ Professional organization comm		
Local community/government c		ee/pa
☐ State-level committee/panel		•
☐ National committee/panel		
Off-campus peer review panel,	accredi	itatior
☐ Member of editorial board of pro	fessio	nal jo
☐ Editor of professional journal		
Professional peer review of gran	-	
☐ Involved in K-12 Science, Techr	ology,	Engir
Outreach to K-12 professionals		
Participated in professional dev	elopme	ent ac
☐ No professional service		
Other		
Are you a member of a profession	nal as	soci
American Association for the Ac	vancer	ment
☐ American Chemical Society (AC	(S)	

☐ 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 Pretective 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 a	vities.
0 / 4000	
To save your responses and move to the nex	page, select 'Next.' To save your responses and continue the survey later, select 'Continue later.'
	Progress: 60%
Continue later	Next

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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
- O Postdoctoral appointment
- O 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.

- O Yes
- O 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 <u>federal employee/civil servant</u>?

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	0	0
Previously employed	0	0

• 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

Continue later

9:17 AM			DOE F 413.43 - Science Undergraduate Laboratory Internship (SULI) Program Long-Term Follow-up Study Survey for Nor	1-Alumni
national laboratories,	post	locs, inte	erns, etc.)?	
f yes, you will be aske	d to pi	ovide ad	ditional information about which Offices within the DOE you have applied to or where you were previously employed as	s a non-federal employee
	Yes	No		
Applied for a position	0	0		
Previously employed	0	0		
	Yes	No		
Applied for a position	0	0		
Previously employed	0	0		
o save your respo	nses	and mo	ove to the next page, select 'Next.' To save your responses and continue the survey later, select '	Continue later.'
			Progress: 80%	

Next

Preview options			
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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
 - OI choose not to respond
- What is your sex?
- Male
- Female
- OI prefer not to repond
- Are you of Hispanic, Latino, or Spanish origin?
 - O No, not of Hispanic, Latino, or Spanish origin
 - Yes, Mexican, Mexican American, Chicano
 - O Yes, Puerto Rican
 - O Yes, Cuban
 - O Yes, another Hispanic, Latino, or Spanish origin
 - \bigcirc 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?

5, 1.25 1 111	DOL .	110.10	00101100
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 o	· origin:
	0 / 4	1000	

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 or 	f the boxes below:	
☐ Yes, I have a disa	bility 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 resp	pond.	
What is the highest	level of education completed by your parents or guardians?	
	Level of Education	
Parent/Guardian 1	~	
Parent/Guardian 2	~	
responses), to contact	t you to participate in future studies of the long-term impact of the SULI provide contact information, your other survey responses will be confident	on may be used for additional research follow-up (including clarifications of your survey program, or to contact you regarding opportunities to be involved in SULI alumni activities. ential and will not be shared or reported in a way that can identify you as an individual.
7		
• Secondary email ad	Idress:	
Your location:		
City:		
State:		
 Please check this b 	ox to indicate your permission to be contacted about this and futu	re research studies:
□I agree	,	
-	ox to indicate your permission for the SULI program to retain your	updated contact information and to be contacted for future research and/or alumni
□I agree		
Your phone number	r:	
ls this a mobile nun	nber?	
○Yes		
O 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