

Welcome to the Application Assistance Workshop for the Science Undergraduate Laboratory Internship (SULI) Program



U.S. DEPARTMENT OF
ENERGY

Office of
Science

Presenter: Dr. Brandi Toliver, Program Manager
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Breakthroughs at the DOE National Laboratories

- ▶ **Advanced Supercomputing**-The National Labs operate some of the most significant high performance computing resources available, including 32 of the 500 fastest supercomputers in the world. The Summit supercomputer at Oak Ridge National Laboratory is capable of 200 petaflops, or 200,000 trillion calculations per second.
- ▶ **Put the Jolt in Volt**- Chevy's Volt would not be able to cruise on battery power were it not for the advanced cathode technology that emerged from a National Lab (specifically, Argonne National Lab).
- ▶ **Decoded DNA**-In 1990, the National Labs joined with the National Institutes of Health and other laboratories to kick off the Human Genome Project, an international collaboration to identify and map all of the genes of the human genome.
- ▶ **Brought the web to the U.S.**-National Lab scientists, seeking to share particle physics information, were first to install a web server in North America, kick-starting the development of the worldwide web as we know it.
- ▶ **Unmasked a dinosaur killer**-Natural history's greatest whodunit was solved in 1980 when a team of National Lab scientists pinned the dinosaurs' abrupt extinction on an asteroid collision with Earth. Case closed.
- ▶ **World's First Video Game**- Before there was Atari or Nintendo, there was Tennis for Two, which may have been the first video game ever created, Brookhaven National Lab scientists built the pioneering system to entertain visitors to the Lab in 1958.
- ▶ **Launched the LED lighting revolution**-In the 1990s, scientists at a National Lab saw the need for energy-efficient solid-state lighting and worked with industry to develop white LEDs. Today, white LEDs are about 30 percent efficient, with the potential to reach 70 percent to 80 percent efficiency.
- ▶ **3D Printing Bigger and Better**-A large-scale additive manufacturing platform developed by a National Lab and an industry partner printed 3D components 10 times larger and 200 times faster than previous processes. So far, the system has produced a 3D-printed sports car, SUV, house, excavator and aviation components.
- ▶ **Discovered 22 elements** - To date the National Labs have discovered: technetium, promethium, astatine, neptunium, plutonium, americium, curium, berkelium, californium, einsteinium, fermium, mendelevium, nobelium, lawrencium, rutherfordium, dubnium, seaborgium, flerovium, moscovium, livermorium, tennessine and oganesson.

Office of Science at a Glance

(<https://science.osti.gov/>)

- ▶ Lead federal agency supporting fundamental scientific research for energy and the largest supporter of basic research in the physical sciences in the United States
 - ▶ FY 2023 Funding Requested: \$7.799B



Largest Supporter of Physical Sciences in the U.S.



Funding at >300 Institutions, including 17 DOE Labs



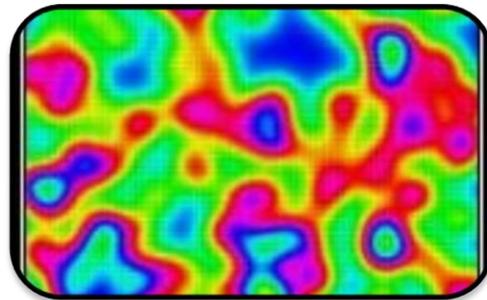
~**29,000** Researchers Supported



~**34,000** Users of 28 SC Scientific Facilities



~35% of Research to Universities



Research:
~42.8%, \$3.334B



Facility Operations:
~34.5%, \$2.689B



Projects/Other:
~22.6%, \$1.776B

DOE National Laboratories

- ▶ The 17 DOE National Laboratories comprise a preeminent federal research system, providing the Nation with strategic scientific and technological capabilities
- ▶ SC stewards 10 DOE laboratories that provide essential support to the missions of the SC science programs

Office of Science Laboratories

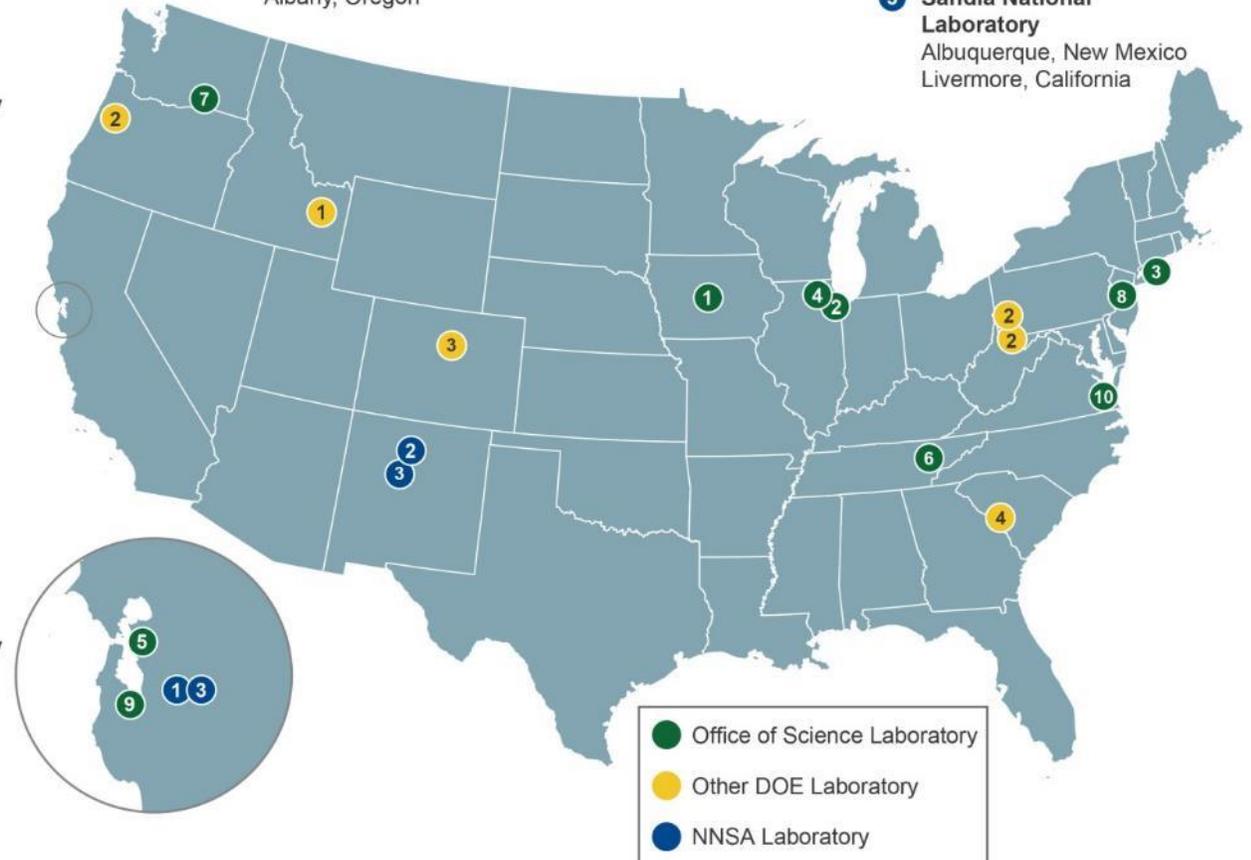
- 1 Ames Laboratory
Ames, Iowa
- 2 Argonne National Laboratory
Argonne, Illinois
- 3 Brookhaven National Laboratory
Upton, New York
- 4 Fermi National Accelerator Laboratory
Batavia, Illinois
- 5 Lawrence Berkeley National Laboratory
Berkeley, California
- 6 Oak Ridge National Laboratory
Oak Ridge, Tennessee
- 7 Pacific Northwest National Laboratory
Richland, Washington
- 8 Princeton Plasma Physics Laboratory
Princeton, New Jersey
- 9 SLAC National Accelerator Laboratory
Menlo Park, California
- 10 Thomas Jefferson National Accelerator Facility
Newport News, Virginia

Other DOE Laboratories

- 1 Idaho National Laboratory
Idaho Falls, Idaho
- 2 National Energy Technology Laboratory
Morgantown, West Virginia
Pittsburgh, Pennsylvania
Albany, Oregon
- 3 National Renewable Energy Laboratory
Golden, Colorado
- 4 Savannah River National Laboratory
Aiken, South Carolina

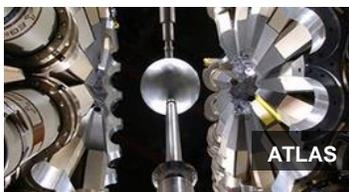
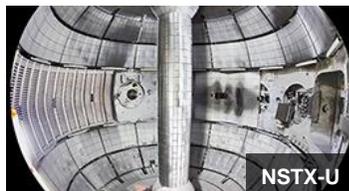
NNSA Laboratories

- 1 Lawrence Livermore National Laboratory
Livermore, California
- 2 Los Alamos National Laboratory
Los Alamos, New Mexico
- 3 Sandia National Laboratory
Albuquerque, New Mexico
Livermore, California



DOE Office of Science – Scientific User Facilities

FY 2023
28 scientific
user facilities
~34,000 users



U.S. DEPARTMENT OF
ENERGY

Office of
Science



U.S. DEPARTMENT OF
ENERGY

Office of
Science

The Office of Science Research Portfolio

<https://science.osti.gov/Programs/>

Advanced Scientific Computing Research

- Delivering world leading computational and networking capabilities to extend the frontiers of science and technology

Basic Energy Sciences

- Understanding, predicting, and ultimately controlling matter and energy flow at the electronic, atomic, and molecular levels

Biological and Environmental Research

- Understanding complex biological, earth, and environmental systems

Fusion Energy Sciences

- Building the scientific foundations for a fusion energy source

High Energy Physics

- Understanding how the universe works at its most fundamental level

Nuclear Physics

- Discovering, exploring, and understanding all forms of nuclear matter

Isotope R&D and Production

- Supporting National Preparedness for isotope production and distribution during national crisis

Accelerator R&D and Production

- Supporting new technologies for use in SC's scientific facilities and in commercial products

DOE workforce development mandates

Public Law 93-438 as amended, "Energy Reorganization Act of 1974," October, 1974
Title I, Section 103. "The responsibilities . . . shall include, . . ."
"(11) . . . assure an adequate supply of manpower . . . by sponsoring and assisting in education and training activities . . ., and by assuring the collection, analysis, and dissemination of necessary manpower supply and demand data; . . ."

Public Law 95-91 as amended, "Department of Energy Organization Act," August 4, 1977
Title II, Section 209. Office of Energy Research
"(b) It shall be the duty and responsibility of the Director"
"(4) to advise the Secretary with respect to education and training activities required for effective short-and long-term basic and applied research activities of the Department;"

Title III, Section 301. General Transfers
"(a) . . . transferred to . . . the Secretary all of the functions vested by law in the . . . Energy Research and Development Administration; . . ."
[This transfers to DOE the requirement in P.L. 93-438, Title I, Section 103 (11).]

Public Law 101-510, Part E "DOE Science Education Enhancement Act" Nov. 5, 1990
Section 3162 (b)
"(1) to encourage the development and implementation of science, mathematics, and engineering education programs at the Department of Energy and at its research and development facilities as part of a national effort . . .; and
(2) to provide more efficient coordination among science, mathematics, and engineering education programs."

Section 3163
"Section 102 of the Department of Energy Organization Act . . . is amended --"
"(19) To ensure that the Department can continue current support of mathematics, science, and engineering education programs by using the personnel, . . ., and resources of its laboratories The Department's involvement in mathematics, science, and engineering education should be consistent with its main mission"

Section 3164
"(a) Programs.--The Secretary is authorized to establish programs to enhance the quality of mathematics, science, and engineering education. Any such programs shall be operated at or through the support of Department research and development facilities, shall use the scientific resources of the Department,"

Section 3165
"(a) Activities.--The Secretary is authorized to:
(1) Support research appointments for college and university science and engineering students, and for faculty-student teams, at Department research and development facilities.
(L) Support graduate students and , through university-based cooperative programs, undergraduate students for the purpose of encouraging more students to pursue scientific and technical careers, with a particular focus on the recruitment of women and minority students."

Energy Reorganization Act of 1974

Dept. of Energy Organization Act, 1977

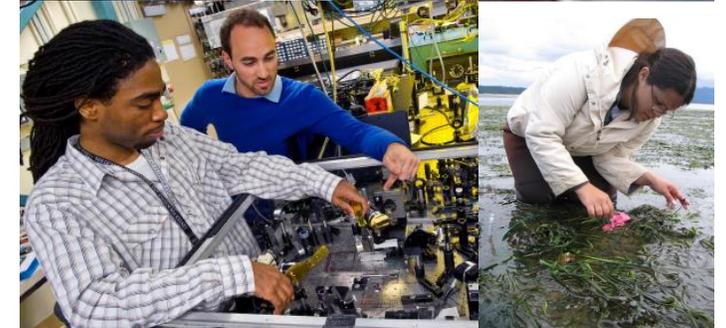
DOE Science Education Enhancement Act, 1990

"...The Secretary is authorized to establish programs to enhance the quality of [STEM] education. Any such programs shall be operated at or through the support of Department research and development facilities, shall use the scientific resources of the Department..."



Workforce Development for Teachers and Scientists (WDTs)

- ▶ DOE has a more than 60-year history of training and educating scientists, engineers, and technicians in the United States
- ▶ As a collaborative partner of the SC Workforce Development ecosystem, WDTs strives for a sustained pipeline for the science, technology, engineering, and mathematics (STEM) workforce to support DOE mission. WDTs programs expand the reach of SC Workforce Development efforts by:
 - ▶ Leading a national-level portfolio of laboratory-based workforce training programs in partnership with all 17 DOE national labs (~1,400 participants at DOE laboratories annually)
 - ▶ **Science Undergraduate Laboratory Internship (SULI):** open to 2-/4-year undergraduate students
 - ▶ **Community College Internship (CCI):** dedicated to undergraduates enrolled at community colleges or 2-year accredited institutions
 - ▶ **Visiting Faculty Program (VFP):** open to faculty under-represented institutions in STEM, including all HBCUs
 - ▶ **Office of Science Graduate Student Research Program (SCGSR):** open to graduate students with research interest in the SC mission priority areas
 - ▶ Promoting science/energy literacy and academic achievements in STEM
 - ▶ **National Science Bowl® (NSB):** coordinate on regionals, host the National Championships final
 - ▶ **Albert Einstein Distinguished Educator Fellowship (AEF):** K-12 STEM teachers, hosted by SC/WDTs, Congressional Offices, and other federal agencies (established under P.L. 103-382)



Science Undergraduate Laboratory Internship (SULI) Program

The SULI program encourages undergraduate students and recent graduates to pursue science, technology, engineering, and mathematics (STEM) careers by providing research experiences at the Department of Energy (DOE) laboratories.

- ▶ Applications are accepted for the Fall, Spring, and Summer terms
 - ▶ Fall (August-December): 16-weeks @ 40 hrs/week
 - ▶ Spring (January-May): 16-weeks @ 40 hrs/week
 - ▶ **Summer (May-August): 10-weeks @ 40 hrs/week**
- ▶ Paid internship
 - ▶ \$650/week or \$6500 total stipend
 - ▶ Housing and travel allowance provided



Credit: Lawrence Berkeley National Laboratory

Eligibility Requirements

- ▶ **Citizenship**-Must be a United States Citizen or Lawful Permanent Resident at the time of applying.
- ▶ **Age**-Must be 18 years or older at the time the internship begins.
- ▶ **Enrollment**-Must be currently enrolled as a full-time student at an accredited two-year or four-year college and completed at least one semester at the time of applying.
- ▶ **High School Diploma or GED**- Must have earned a high school diploma or General Educational Development (GED) equivalent at the time of applying.
- ▶ **Grade Point Average (GPA)**-Must have an undergraduate cumulative minimum Grade Point Average (GPA) of 3.0 on a 4.0 scale for all completed courses taken as a matriculated student at the applicant's current (or recently-graduated) institution and at any undergraduate institutions attended as a matriculated postsecondary student during the 5 years preceding the start of the current enrollment. *College courses completed during high school are not required to be reported.*
- ▶ **Coursework**-Must have completed at least 6 credit hours in science, mathematics, engineering, or technology course areas, and completed at least 12 credits hours towards a degree
- ▶ **Participation and Application Limit**-Applicants are limited to participation in SULI program to no more than two internships. Applicants can apply to the CCI program a maximum of four times.

The first step in submitting a successful application is meeting the eligibility requirements.

Key Dates

SULI Internship Term:	Summer 2023	Fall 2023
On-line Application Opens	October 18, 2022	March 15, 2023
Applications Due	January 10, 2023 5:00 PM ET	May 25, 2023 5:00 PM ET
Offer Notification Period Begins on or around	February 1, 2023	June 12, 2023
All DOE Offers and Notifications Complete	On or around April 10, 2023	On or around August 7, 2023

*****The Application System closes at 5:00 PM Eastern Time. Materials will not be accepted after the system has closed.**

More details available <https://science.osti.gov/wdts/suli/Key-Dates>

Application Requirements

Completed applications must be submitted by 5:00 p.m. ET on January 10, 2023.

- ▶ All applications must be completed online through the [online application system](#). You will need to register as a user to access the online application system.
- ▶ Only complete applications submitted by the deadline will be considered for evaluation and placement.
- ▶ The application system is not compatible with smartphones. Completion of applications and letters of recommendation requires use of a computer and web browser.

APPLY NOW

Navigating the Application

The screenshot shows the SULI application website interface. At the top, there is a navigation bar with 'WDTs SULI Home' and 'FAQs Logout'. Below this, the 'SULI Science Undergraduate Laboratory Internships' logo is on the left, and the 'U.S. DEPARTMENT OF ENERGY Office of Science' logo is on the right. A progress bar contains four steps: '1 Complete Your Application', '2 Request Recommendations', '3 Verify & Submit', and '4 Check Your Status'. A red box highlights the 'Instructions' step. Below the progress bar, a red box highlights the 'Instructions' section. The text under 'Instructions' reads: 'To apply for SULI Summer 2023, complete these four steps before the application deadline of 1/10/2023 5:00 PM Eastern Time:'. The first step, '1 Complete Your Application', is detailed with instructions to provide information in the application form and a link to the 'Laboratory Selection Tool', which is also highlighted with a red box. A callout box on the right points to this link with the text: 'Interested in the success rate of applicants? Visit the Laboratory Selection Tool.' Below the first step, there are buttons for 'Complete Your Application', 'Request Recommendations', and 'Verify & Submit'.

Interested in the success rate of applicants? Visit the Laboratory Selection Tool.

Components of the Complete Your Application Menu

- ▶ Applicant Profile
- ▶ Educational Background
- ▶ Work Experience and Skills
- ▶ Program Information
- ▶ Essays



Credit: Lawrence Berkeley National Laboratory

Applicant Profile



Applicant Profile

WDT5 SU LI Home FAQs Logout

SULI
Science Undergraduate Laboratory Internships

U.S. DEPARTMENT OF **ENERGY** | Office of Science

Instructions 1 Complete Your Application 2 Request Recommendations 3 Verify & Submit 4 Check Your Status

The SU LI Application will close in 69 days

APPLICANT PROFILE

- General Information
- Address
- Citizenship / Languages / Eligibility
- Demographics *optional*

EDUCATIONAL BACKGROUND

- Academic Information
- Undergraduate Institutions
- STEM Courses
- Awards
- High School Graduation or GED

WORK EXPERIENCE & SKILLS

- Work Experience
- Professional Associations
- Computer Skills
- Laboratory/Technical Skills

Applicant Profile

General Information

First Name
WDTS

Middle Name
Optional

Last Name
TEST

Previous Last Name(s)
Optional (separate multiple names with commas)

Primary Email Address
wlsbdacw77@gmail.com

- Will you be 18 years or older by the start of the internship? **Response "No"** → **Not Eligible**
- Are you a U.S. citizen or U.S. permanent resident? **Response "No"** → **Not Eligible**
- What is your primary language?

Educational Background



Educational Background

APPLICANT PROFILE

- General Information
- Address
- Citizenship / Languages / Eligibility
- Demographics
- EDUCATIONAL BACKGROUND**
 - Academic Information
 - Undergraduate Institutions
 - STEM Courses
 - Awards
 - High School Graduation or GED
- WORK EXPERIENCE & SKILLS
 - Work Experience
 - Professional Associations
 - Computer Skills
 - Laboratory/Technical Skills
- PROGRAM INFORMATION
 - Eligibility
 - Previous DOE Internship/Fellowship Experience
 - Availability
 - DOE Laboratories and Research Areas
 - Relatives Employed at DOE Laboratories
 - Laboratory Outreach & Engagement Programs
- ESSAYS
 - Research Experience
 - Research Interests
 - Personal Experience
 - Professional Goals

Educational Background

Academic Information

Eligibility for the SULI program requires that all applicants:

- Must be currently enrolled full-time or have recently graduated with an undergraduate degree, as described for the two cases below.
 - **Currently-enrolled students:**
 - The applicant must be currently enrolled as a full-time undergraduate student at an accredited institution (including accredited community colleges).
 - Applicants, including freshmen, must have earned at least 6 credits in postsecondary STEM courses and must have earned at least 12 credits in all completed postsecondary courses.
 - Applicants must have completed at least one full term of academic study with grades reported from the home institution at the time of application.
 - Advanced Placement credits or other undergraduate credits obtained prior to undergraduate enrollment cannot be applied to meet the minimum one-term completion requirement.
 - Full-time enrollment status is determined by the number of hours or courses the school requires for full-time attendance (as defined by the Internal Revenue Service).
 - **Recent graduates**
 - Applicants who will have completed their undergraduate degree prior to starting their internship may apply as a "Recent Graduate." This includes students who have graduated with an associate's degree or bachelor's degree, those who have completed a combined BS/MS program, and those who have completed an undergraduate degree and are now enrolled in a graduate studies program. The time period between receipt of an undergraduate degree and starting the SULI term must be two years or less.
- Must have a cumulative minimum Grade Point Average (GPA) of 3.0 on a 4.0 scale for all completed courses taken as a matriculated student at the applicant's current (or recently-graduated) institution and at any institutions attended as a matriculated postsecondary student during the 5 years preceding the start of the most recent enrollment. (This does not include college or university courses taken while solely a high school student.)
- Must be 18 years or older at the time the internship begins.
- Must be a United States Citizen or Lawful Permanent Resident at the time of applying. Proof of U.S. Citizenship or Lawful Permanent Resident (LPR) status will be requested at the time an internship offer is accepted. Acceptable form of proof of U.S. Citizenship includes, but is not limited to, a Certified Birth Certificate, an U.S. State Government Issued Enhanced Driver's License, U.S. Passport, U.S. Passport Card, Naturalization Certificate, Certificate of Citizenship, Consular Report of Birth (of U.S. citizen) Abroad, or Certification of Birth. Lawful Permanent Residents must have a current United States Permanent Resident Card (USCIS Form I-551).
- Must have earned a high school diploma or General Education Development (GED) equivalent at the time of applying. Proof of an earned high school diploma or of passing all five GED tests required to achieve a Certificate of General Educational Development should be provided on the applicant's undergraduate transcripts.
 - The requirement for a high school diploma or GED is waived for students who are or were enrolled full-time in pursuit of an undergraduate degree through a dual-enrollment program offered by their high school and a college/university partner in the U.S. or its territories.

Additional Eligibility requirements:

- Applicants may participate in SULI no more than twice.
- Applicants can apply to the SULI program a maximum of four times.

Are you currently attending a community college or 2-year college?

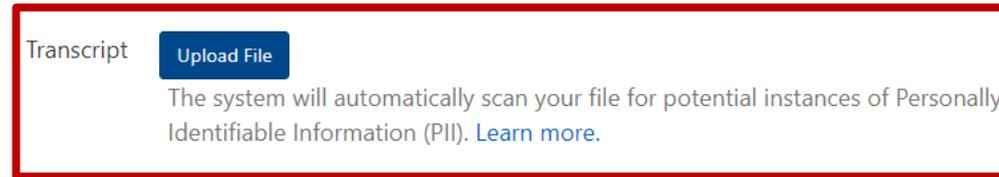
Yes No

Select "no" = not eligible



Educational Background: Academic Institutions

- ▶ **Academic Institutions:** List your current institution first, and then enter any other institutions you have attended. This includes all institutions which you are received transfer credit not completed as a high school student.
- ▶ **Transcripts:** Upload a transcript in Pdf format in the application system for each postsecondary institution enrolled within the last 5 years of most recent enrollment.



- ▶ Ensure the transcript includes the applicant's name, institution name, and course names and grades.
- ▶ Redact personal identifiable information (PII) such as date of birth and social security number.
- ▶ Unofficial transcripts are acceptable for submission to the application system.
- ▶ Watch this [video](#) to assist with transcript uploads.

Education Background: Awards

- ▶ Include all awards you received during your academic career. Some awards may include:
 - ▶ **Dean's List**
 - ▶ **Membership in Honor's Society**
 - ▶ **Merit Scholarships**
 - ▶ **Honors Program**
 - ▶ **Winner of contests, challenges, and tournaments**



Lab Director Chi-Chang Kao presents the Ernest Coleman Award to SULL intern Anna Leskova.
SLAC
Accessed 1/9/2019 at <https://www6.slac.stanford.edu/news/2016-08-26-undergraduate-interns-learn-summer-research.aspx>

Work Experience



Work Experience and Skills: Work Experience

APPLICANT PROFILE

- General Information
- Address
- Citizenship / Languages / Eligibility
- Demographics

EDUCATIONAL BACKGROUND

- Academic Information
- Undergraduate Institutions
- STEM Courses
- Awards
- High School Graduation or GED

WORK EXPERIENCE & SKILLS

- Work Experience
- Professional Associations
- Computer Skills
- Laboratory/Technical Skills

Work Experience & Skills

Work Experience

Please provide information about your relevant work experience.

Include paid and volunteer work experience

- STEM internships or research experiences***
- Tutoring appointments***
- Teaching Assistance appointments***
- Mentoring***
- Leadership Roles in professional organizations***

Work Experience and Skills: Computer Skills

- ▶ List all computer skills including programming languages, standard software applications, statistical analysis software, and certifications.

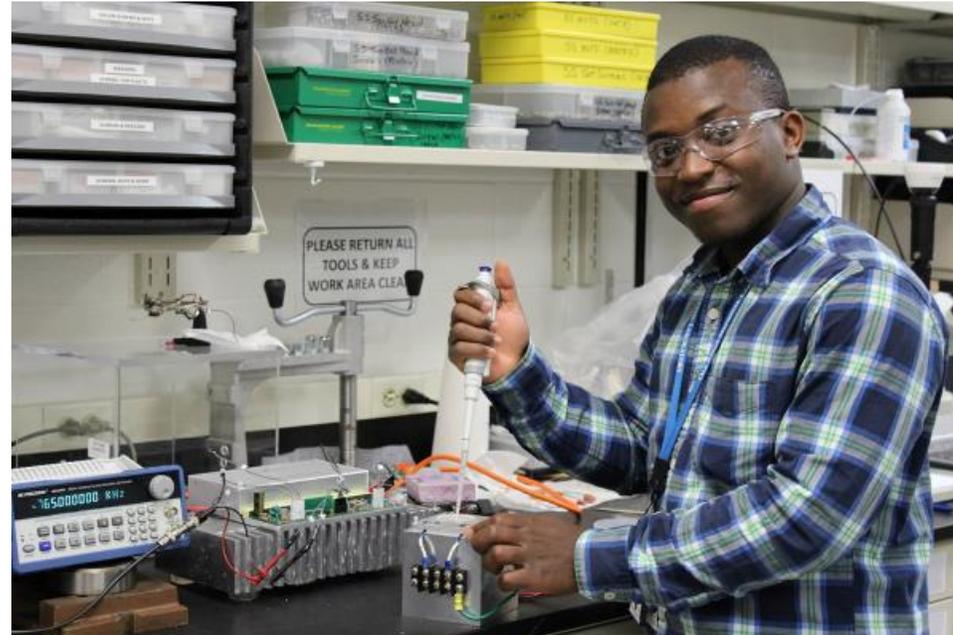


Credit: **NREL**- Photo by Amy Glickson

Accessed 1/9/2019 from <https://www.nrel.gov/news/features/2017/nrel-summer-interns-climb-to-new-heights.html>

Work Experience and Skills: Laboratory and Technical Skills

- ▶ Describe your research and technical skills in detail
- ▶ The skills may be obtained through employment or coursework.



Credit: Oak Ridge National Laboratory

Program Information



From left: **PPPL** physicist Ahmed Diallo, SULI student Jalal Butt, and PPPL physicist Egemen Kolemen. Photo by Raphael Rosen.

From <https://www.pppl.gov/news/press-releases/2018/08/undergraduate-students-extoll-benefits-national-laboratory-research>
Accessed 1/9/2019



Program Information: Eligibility

APPLICANT PROFILE

- General Information
- Address
- Citizenship / Languages / Eligibility
- Demographics

EDUCATIONAL BACKGROUND

- Academic Information
- Undergraduate Institutions
- STEM Courses
- Awards
- High School Graduation or GED

WORK EXPERIENCE & SKILLS

- Work Experience
- Professional Associations
- Computer Skills
- Laboratory/Technical Skills

PROGRAM INFORMATION

- Eligibility
- Previous DOE Internship/Fellowship Experience
- Availability
- DOE Laboratories and Research Areas
- Relatives Employed at DOE Laboratories
- Laboratory Outreach & Engagement Programs

Program Information

Eligibility

Have you previously participated in 2 SULI appointments?

- **Held more than 2 appointments?**
Not Eligible
- **Applied more than 4 times?**
Not Eligible

Program Information: DOE Laboratories and Research Areas Selection

- *Applicants must select a first-choice and second-choice laboratory to be considered for placement.*
- *Additionally, applicants may choose a third option to be considered by all labs within their interests.*
- *Applicants are encouraged to review [laboratory websites](#) and contact DOE researchers to learn about their research.*

Program Information

[Get Help With...](#)

Host DOE Laboratories and Research Areas Selection

When selecting your first and second choice host DOE Laboratories, and your first, second, and third choice research areas, please carefully [review the R&D program area descriptions](#). Not all research opportunities are available at all DOE Laboratories. For further assistance in selecting DOE Laboratories, please see the [Laboratory Selection Tool](#).

First Choice Host DOE Laboratory

Oak Ridge National Laboratory (ORNL) ▼

First Choice Research Area
Analytical Chemistry ▼

Second Choice Research Area
Cyber Security ▼

Third Choice Research Area
Quantum Engineering ▼

Second Choice Host DOE Laboratory

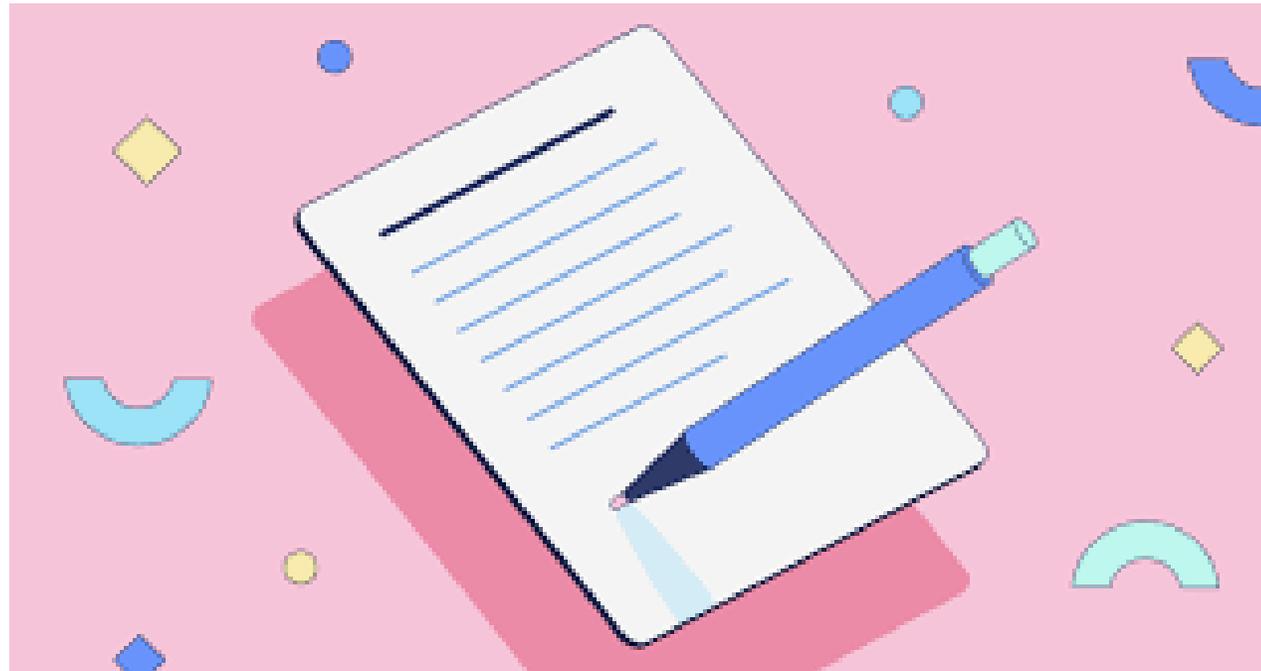
National Renewable Energy Laboratory (NREL) ▼

First Choice Research Area
Cyber Security ▼

Second Choice Research Area
Climate Sciences ▼

Third Choice Research Area
Engineering Materials ▼

Essays



Essays: Technical and Research Experience

Essays

Research Experience

Describe your previous research experience or equivalent experience on complex projects, including the level of independence, while working as a member of a research/project team.



Describe all your prior research including

- **Paid and unpaid research opportunities**
- **Special projects**
- **Skills obtained during coursework count!**
- **Note: Previous research experience is not required to apply for SULI!**

Current Character Count [0] (max: 2500)



Essays: Research Interests

Essays

Research Interests

Describe the type(s) of research subjects or activities that interest you at your first and second choice host laboratories, and discuss any particular factors influencing your choice of host laboratories.



- **Elaborate on why you wish to participate in the SULI Program.**
- **Which labs are you interested in conducting research? How does your interests align with the mission of the selected labs?**
- **What do you hope to gain from the experience?**

Current Character Count [0] (max: 2500)

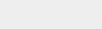


Essays: Personal Experience

Essays

Personal Experience

Describe your professional, academic, or life experience and skills you have that enhance your ability to be an excellent contributing member to the SULI Program.

B I U x₂ x² I_x |  |  |  | 

       Source | Format | Font | Size

- **Share your skills or experience, outside of research, that are applicable to SULI.**
- **Think of your employment, academic, extracurricular, and life experiences, and how they've led to you applying to SULI.**
- **Include unique qualities which may influence your participation in SULI such as being a first-generation college student, non-traditional student, leadership skills, etc.**
- **Address any extenuating circumstances which may have had an impact on your academic performance.**

Current Character Count [0] (max: 2500)

Essays: Professional Interests

Essays

Professional Goals

Describe your long-term academic and professional goals, and how participation in the SULI program could develop or expand skills required to achieve those goals.

B I U x₂ x² I_x | **¶** **¶** **¶** **¶** | **¶** **¶** **¶** **¶** | **X** **↶** **↷**

Q **↻** **¶** | **f_x** **Ω** | **Source** **Format** **Font** **Size**

- **How will the program advance your career and professional goals?**
- **What are your career interests?**
- **Do you plan to pursue a bachelor's or advance degree after graduation?**
- **It's acceptable to mention that this program will help determine if a career in research is right for you!**

Current Character Count [0] (max: 2500)



Letters of Recommendation



Letters of Recommendations

- A completed application requires recommendations from two individuals familiar with the applicant's education, training, experience, aptitude, or promise relevant to the SULI Program.
- An applicant will be asked to provide contact information for individuals indicated in the online application system.
Applicants are encouraged to make the requests for recommendations as soon as possible.
- Letters of reference must be submitted through the application portal by the application deadline (i.e. 5:00 p.m. Eastern Time on January 10, 2023 for the Summer 2023 term).

Resources To Assist With Application Components

- ▶ Application [checklist](#)
- ▶ Submitting [transcripts](#)
- ▶ Tips for preparing [essays](#)
- ▶ Requesting [letters of reference](#)
- ▶ FAQ's-<https://science.osti.gov/wdts/suli/Frequently-Asked-Questions>

Selection and Notification

- ▶ **Eligibility and Compliance Check**-All applications must pass eligibility and compliance check.
- ▶ **Merit Review**- Assessment by first and second choice labs selected by the applicant.
 - ▶ Applications will be assessed based upon performance in completed academic coursework, strength of recommendations letters; expressed scientific or technical interests; and the applicant's background, experience, accomplishments, and interests as they relate to the host laboratories.
- ▶ **Notifications**-Offers are made by a Laboratory Education Directors (not research mentors) via e-mail. Applicant has 10 calendar days to respond to offer. **Only one offer will be extended to an applicant.**

All appointments are contingent upon proof of citizenship or citizenship status and the outcome of a formal background check.

Participant Obligations

- ▶ Commit to 10-weeks (40 hrs/week) in the program.
- ▶ Maintain health insurance during the appointment.
- ▶ Complete deliverables
 - ▶ Pre-survey
 - ▶ Post-survey
 - ▶ Abstract
 - ▶ Research project report (6-8 pages)
 - ▶ Oral or poster presentation
 - ▶ One-page peer review
- ▶ Maintain professional behavior.



More details: <https://science.osti.gov/wdts/suli/Participant-Obligations>

Benefits to Participating in SULI

- ▶ Contribute to exciting, real world, innovative, ongoing projects in the DOE national laboratories.
- ▶ Build professional networks with scientists and engineers.
- ▶ Opportunity to establish a mentor.
- ▶ Enrichment opportunities through professional development and technical seminars.
- ▶ Enhance science communication skills.
- ▶ Decide if a career in research is right for you.
- ▶ Land a permanent position.

Don't forget!!

- ▶ The application deadline is January 10, 2023 at 5:00 p.m. Eastern Time.
- ▶ Contact your reference letter writers as soon as possible.
- ▶ Redact personal identifiable information from your transcript.
- ▶ Plan early. Submit your application ahead of the deadline.



Join us for the next workshop!!

Meet representatives from the DOE national labs and former/current SULI interns at the next workshop. The next workshop is scheduled at **3:00 p.m. (ET) on December 5, 2022. Register NOW!**



U.S. DEPARTMENT OF **ENERGY** | Office of Science

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We can help!



Want to make a difference?
Become a Lab Intern at a Department of Energy National Lab

APPLICATION ASSISTANCE Workshops

GET HELP WITH YOUR APPLICATION AND ASK YOUR QUESTIONS

Community College Internships (CCI)



FOR: Community College Students

WHAT: Paid lab internships and technical training at one of sixteen participating DOE laboratories for students seeking technical careers or those wanting to pursue further education relevant to the DOE mission

CCI Workshop Dates: [Register Here](#)
October 31, 2022 from 2:00 – 3:00 pm Eastern
November 7, 2022 from 3:00 – 4:00 pm Eastern

Science Undergraduate Laboratory Internships (SULI)

FOR: Undergraduate Students, including Community College Students and Recent Graduates

WHAT: Paid laboratory internships and research experiences at one of 17 participating Department of Energy (DOE) laboratories/facilities for students pursuing Science, Technology, Engineering, and Mathematics careers relevant to the DOE mission

SULI Workshop Dates: [Register Here](#)
November 2, 2022 from 2:00 – 3:00 pm Eastern
December 5, 2022 from 3:00 – 4:00 pm Eastern



SULI and CCI Application Deadline
Jan 10, 2023 at 5:00 PM EST

<https://science.osti.gov/wdts>

Join a Lab & Make a Difference

My Internship Experience at the Federal Laboratories



Dr. Toliver receiving her certificate of completion during her appointment as an intern at NASA's Johnson Space Center.

Connect with us.....

- ▶ After this session, e-mail us sc.suli@science.doe.gov if you have questions.
- ▶ Connect with us on LinkedIn
 - ▶ [Office of Science](#)
 - ▶ [Office of Workforce Development for Teachers and Scientists \(WDTS\)](#)
 - ▶ [Science Undergraduate Laboratory Internships \(SULI\)](#)
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