

Your Future's So Bright: Finding Research Internships



The glory of summer jobs!



**Hold on! I can get paid to
do scientific research???**

SUMMER UNDERGRADUATE RESEARCH PROGRAMS and INTERNSHIPS

- **Typically 10 weeks**
- **Full-time (40 hours/week)**
- **Pay ~\$5,000 +**
- **Sometimes includes a housing stipend or arrangements**
- **Opportunity to explore what life is like after PLU: *graduate school & careers in science!***

PLU *Natural Sciences Summer Undergraduate Research Program (NSSURP)*



<https://www.plu.edu/natural-sciences/research-internships/undergraduate-research-program/>

- **10 weeks (typically Jun 1 - Aug 10)**
- **PLU faculty members mentor students**
- **Weekly Professional Development Lunches**
- **Total *expected* Research Fellowship Award = \$6,300**

PLU Natural Sciences Summer Undergraduate Research Program



- **Expect our website to go “live” in February**
 - mentor research descriptions and student-researcher expectations
 - student-researcher fellowship application Google form
- Introduce yourself to the faculty mentors you want to work with & select your top two choices
- Applications will be **DUE online in late February**

National Science Foundation (NSF) Research Experiences for Undergraduates (REU)

https://www.nsf.gov/crssprgm/reu/reu_search.jsp



Research Experiences for Undergraduates (REU)

Search for an REU Site

Astronomical Sciences

Atmospheric and Geospace Sciences

Biological Sciences

Chemistry

Computer and Information Science and Engineering

Cyberinfrastructure

Department of Defense (DoD)

Earth Sciences

Education and Human Resources

Engineering

Ethics and Values Studies

International Science and Engineering

Materials Research

Mathematical Sciences

Ocean Sciences

Physics

Show

All



Showing 1 to 82 of 82

Sort by: Site Information ▾

Site Information:

Baylor University

An Advanced Instrumentation Emphasis REU

Chemistry & Biochemistry

Site Location:

Waco, Texas

Contact Information:

Primary: Charles Garner

254-710-6862

charles_garner@baylor.edu

Secondary: Barbara Rauls (Administrative Assistant)

254-710-4926

barbara_rauls@baylor.edu

Additional Information:

Research Topics/Keywords: organic chemistry, physical chemistry, analytical chemistry, biochemistry, inorganic chemistry, geochemistry, environmental chemistry, chemical physics

Site Information:

Boston College

REU Site: Integrated Science For Society (IS2)

Physics

Site Location:

Chestnut Hill, Massachusetts

Contact Information:

Primary: Kenneth Burch

(617) 552-3575

ks.burch@bc.edu



National Science Foundation (NSF) Research Experiences for Undergraduates (REU)

https://www.nsf.gov/crssprgm/reu/reu_search.jsp

- 10 weeks (like PLU program)
- Faculty/grad student/postdoc mentors
- Professional skills and social activities
- Housing often included (dorm, shared house)
- Pay ~\$5,000 - \$6,000
- Application deadlines vary **but start in Nov.**
- Some targeted programs (first-years, underrepresented groups, etc.)





U.S. DEPARTMENT OF **ENERGY**

Summer Undergrad. Laboratory Internship (SULI)

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

- **Fall, Spring, and Summer 10-week programs**
- **17 participating DOE National Labs**
- **Professional skills and social activities**
- **Housing is sometimes included**
- **Stipend \$650/week**
- **Application for Summer due in January (1/9/24)**
- **Broad research areas: *chemistry, engineering, physics, environmental science, energy research, etc.***



National Institute of Environmental Health Sciences
Your Environment. Your Health.

SUMMER INTERNSHIP PROGRAM IN BIOMEDICAL RESEARCH (SIP)

<https://www.training.nih.gov/research-training/pb/sip/>

- **8-10 weeks**
- **Work on any of 1,200 NIH campuses**
- **>7,000 apps; ~1,000 positions**
- **Pay ~\$3,000/mo.**
- **No housing assistance**
- **Application available mid-November**

Deadline February 23, 2024



National Institute of Environmental Health Sciences
Your Environment. Your Health.

SUMMER INTERNSHIP PROGRAM IN BIOMEDICAL RESEARCH (SIP)

FAQs about applying:

<https://www.youtube.com/watch?v=criFfuK55OU>

Applying to the NIH Summer Internship Program



The NIH Summer Internship Program

Dr. Sharon L. Milgram, Director NIH OITE
milgrams@od.nih.gov



0:10 / 21:23



YouTube



About MathPrograms.Org

- [Introduction](#)
- [User Documentation](#)
- [Demo server -- try it out!](#)

Login to MathPrograms.Org

- [...as Program applicant](#)
- [...as Program nominator](#)
- [...as Writer of reference letters or proxies](#)
- [...as Faculty or staff at program institutions](#)

Upcoming Deadlines, Closing Dates (more...)

- **Association for Women in Mathematics,**

[[2024SIAM](#)] Association for Women in Mathematics (AWM) Workshop: Poster Presentations by Women Graduate Students (2023/11/15 11:59PM) [Apply](#)

Serving mathematical institutions worldwide for over 15 years



**Talk to PLU's Math faculty
to mentor you on your application**

Other Federal Agencies to Explore

Google “undergraduate research” or “summer research” or “internships”

- **USGS**
- **NOAA**
- **EPA**
- **Department of Defense**
- **Department of Homeland Security**
- **National Cancer Institute**
- **Centers for Disease Control (CDC)**
- **Others – explore!**



Local Companies to Explore

*Google “undergraduate research” or
“summer research” or “internships”*



FRED HUTCH™



Fred Hutchinson Cancer Center Science Internships for PLU Students



<https://www.plu.edu/natural-sciences/research-internships/fred-hutch-internships/>



- 10 weeks
- for Jrs and Srs
- \$6,300

SUMMER UNDERGRADUATE RESEARCH PROGRAM

Biomedical Research Opportunities Start Here!



Areas of Research

- Basic Sciences
- Human Biology
- Public Health Sciences
- Clinical Research
- Vaccines & Infectious Diseases

Stipend and Housing

- ~\$5,000
- Housing at UW for ~\$3,400

Deadline

- Available in mid-November
(see website)

www.fredhutch.org/surp

<https://www.fredhutch.org/en/research/divisions/vaccine-infectious-disease-division/research/infectious-disease-sciences/training.html#summer-internship-program>

Opportunities

- Conducting a hands-on research project with faculty mentors
- Opportunity for clinical shadowing at UW Medical Center and Fred Hutch
- Laboratory observation and practical experience
- Presenting your project to faculty and fellow trainees, at the program's conclusion
- Accessing a wide variety of relevant research conferences, meetings, presentations and/or symposia, including:
 - Lab/group meetings, journal clubs
 - Affinity Groups on Mathematical Modeling and Infectious Diseases in Immunocompromised Hosts
 - Antimicrobial Stewardship and Infection Prevention committees

Areas of Focus

- Antimicrobial Stewardship
- Herpesvirus and hepatitis B infections
- Human Microbiota
- Immunotherapy
- Infection Prevention
- Math Modeling (coding experience required)
- Viral Infections

The Chemistry Department's Opportunity Blog is full of many internships and career opportunities

<http://www.plu.edu/chemistry/news/topic/opportunity-blog/>

Summer Undergraduate Research at Caltech

MENU

Caltech's commitment to diversity, equity, and inclusion is but one manifestation of our commitment to institutional excellence. Diversity is essential to achieving and maintaining scientific excellence. – excerpt from Caltech's Statement of Mission-Based Values The WAVE Fellows program supports this goal by increasing visibility and...

🕒 November 15, 2023

OPPORTUNITY BLOG

Applications for the 2024 ACS LEADS Conference are now open!

ACS is excited to announce that applications for the 2024 ACS LEADS Conference are now open! The LEADS Conference will take place from November 7-9, 2024, in Washington, D.C., and is designed to train people like YOU for successful and impactful careers in the chemical...

🕒 November 13, 2023

OPPORTUNITY BLOG

Entry Level Medical Scribe Opening

ProScribe – a medical scribe company, still has openings for Entry Level Medical Scribe and is seeking healthcare focused students to join the team in Tacoma, WA and surrounding sites. Please see the 2023 ProScribe Clinical Medical Scribe Job Description for more information and fill...

🕒 November 6, 2023

Math Opportunity Blog

<https://www.plu.edu/math/news/>

Caltech WAVE Fellows Program Info Session

The WAVE Fellows program increases visibility and accessibility to Caltech's Ph.D. programs to undergraduates in STEM fields who are seriously considering attending graduate school. WAVE Fellows is a 10-week undergraduate research program that provides robust programming in the areas of academic and professional development. Applicants...

🕒 November 15, 2023

Paid Summer Research Program for Undergraduate Students

Starting Summer 2024, the Division of Biostatistics at the University of Minnesota, in collaboration with the Masonic Institute for the Developing Brain, will be hosting a 10-week Summer Research Experience for Undergraduates (REU), called Equitable Data Science in Adolescent Development . This 10-week REU is...

🕒 October 20, 2023

Electronic Undergraduate Statistics Research Conference 2023

Registration and submissions for the Electronic Undergraduate Statistics Research Conference are open! This virtual conference is free, and it will take place on Friday, November 3rd . The conference is open to all students and faculty to attend. You can register here . The keynote...

🕒 September 13, 2023

Physics Opportunity Blog

<https://www.plu.edu/physics/news/>

Caltech WAVE Fellows Program Info Sessions

The WAVE Fellows program increases visibility and accessibility to Caltech's Ph.D. programs to undergraduates in STEM fields who are seriously considering attending graduate school. WAVE Fellows is a 10-week undergraduate research program that provides robust programming in the areas of academic and professional development. Applicants...

🕒 November 15, 2023

The William M. Lapenta NOAA Student Internship Program

The William M. Lapenta NOAA Student Internship Program is offering paid summer internships targeted towards current 2nd and 3rd-year undergraduate and enrolled graduate students to work in areas that will provide robust research and/or operational experience that will prepare the student for further study in...

🕒 October 10, 2023

Science Undergraduate Laboratory Internships (SULI)

Applications are currently being accepted for the Spring 2024 term of the Science Undergraduate Laboratory Internships (SULI) program with the Department of Energy's (DOE) Office of Science (SC). The application deadline is Wednesday, October 4, 2023, at 5:00 p.m. EDT. Two informational workshops will be...

🕒 July 13, 2023

Alumni & Student Connections (ASC)

<http://www.plu.edu/alumni-student-connections/>

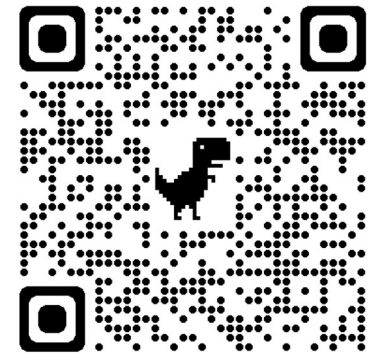
Schedule an
appointment with us
today!

How we can help:

- Counseling Appointments
 - Internship and/or job search
 - Strengthening application materials
 - Interview preparation
 - Graduate school search
- Host events to connect you with employers

Helpful resources to check out:

- Resume / Cover Letter Guides (by major)
- LuteLink
- Opportunities Board



Check out our online
guides & resources!



Come See Us!

PIU



Brandi Hilliard
Director of Career,
Learning, &
Engagement



Pushpa Chandwaney
Career & Internship
Advisor

Our Location: Nesvig Alumni Center

Just across the street from the AUC,
on the corner of 123rd Street & Park Ave



Don't have time to drop by in person?
No problem!

Email your document(s) to
[career@plu.edu!](mailto:career@plu.edu)



KAREN HILLE
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SQUARE

HARSTAD
RESIDENCE
HALL

RAMSTAD
HALL

3

ANDERSON
UNIVERSITY
CENTER

AUC
PLAZA

PFLUEGER
RESIDENCE HALL

HARSTAD
PARKING LOT

CENTER FOR
COMMUNITY ENGAGE
AND SERVICE

UNIVERSITY CENT
PARKING LOT

NESVIG
ALUMNI
CENTER

What do I need to apply to these programs?

TALK WITH YOUR PLU FACULTY MEMBERS

- Online applications
 - Letters of recommendation
 - ⇒ *Make appts with professors to discuss*
 - ⇒ *FERPA form*
- <https://www.plu.edu/student-life/documents/ferpa-authorization-to-release-educational-records/>
- Transcript(s)
 - Personal statement/essay
 - Résumé – see PLU Alumni & Student Connections
 - Be sure to include courses, lab techniques, software*



What
questions
do you have?