

NASA Internships, ISGC Internships,
&
Fellowships
Informational Webinar 2024





Purpose

What to expect:

- Outline applying for NASA and ISGC internships and fellowships and other opportunities
- Provide some basic information about NASA internships
- Answer your questions

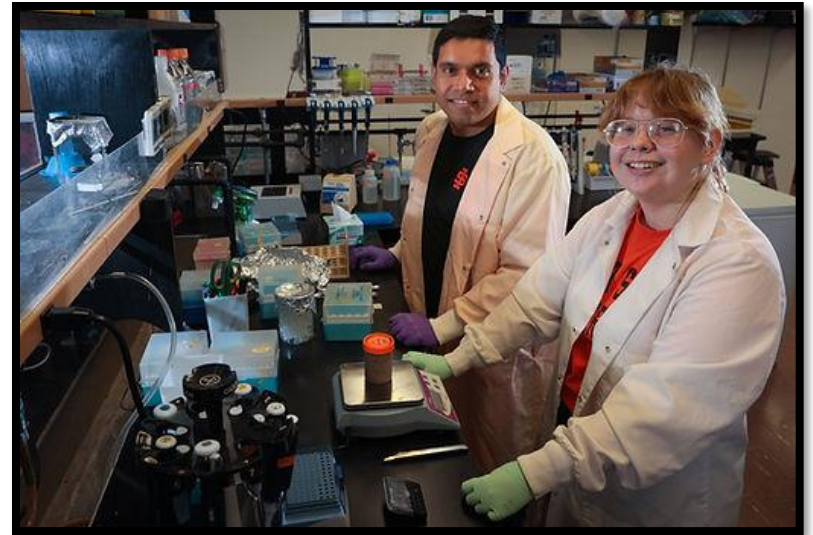
Why are we doing this?

- We want to see you succeed!
- We want more Idaho students at NASA Centers and in industry internships.



What is the Idaho Space Grant Consortium?

- ✦ The Idaho Space Grant Consortium (ISGC) provides unique opportunities to Idaho's students, teachers, researchers, and industry in areas relevant to NASA and its programs. ISGC provides opportunities through:
 - Fellowships
 - Internships
 - Undergraduate research
 - Undergraduate STEM engagement
 - K-12 STEM engagement
 - Informal Education STEM engagement
 - Outreach events, travel, and more



Rhys Ellis, ISGC summer intern, analyzes extremophiles.



ISGC's Affiliates

✦ 26 Affiliates

- University of Idaho (Lead)
- Boise State University
- Idaho State University
- Northwest Nazarene University
- The College of Idaho
- College of Eastern Idaho
- College of Southern Idaho
- College of Western Idaho
- Lewis-Clark State University
- North Idaho College
- Brigham Young University-Idaho
- Discovery Center of Idaho
- Palouse Discovery Science Center
- Center for Space Nuclear Research
- Craters of the Moon National Monument and Preserve
- Idaho Academy of Science and Engineering
- Idaho Commission for Libraries
- Eastern Idaho Engineering Council
- Bruneau Dunes Observatory
- Idaho Museum of Natural History
- Idaho Division of Aeronautics
- Idaho Department of Education
- Idaho National Laboratory
- Idaho Science Teachers' Association
- Idaho Out-of-School Network
- Idaho STEM Action Center



Basic Eligibility for NASA Internships

- ✦ **U.S. Citizen** (either by birth or naturalization) is required to apply to be a NASA intern or fellow. If selected, you will be asked to provide proof of citizenship before the internship or fellowship begins.
 - If you have questions regarding your citizenship, please refer to the U.S. Department of State website. (<https://travel.state.gov/content/travel/en/legal/travel-legal-considerations/us-citizenship.html>)
 - A Permanent Resident Alien (PRA) or Legal Resident are not considered U.S. citizens and are not eligible for NASA student opportunities available through OSSI.
- ✦ At the time the opportunity begins, undergraduate and graduate students **must be accepted/enrolled full-time** in an accredited U.S. college or university.
- ✦ **Grade point average of 3.0 or higher** on a scale of 4.0. Please note if your college or university does not use GPA, you will need to explain the grading method in the application.
- ✦ International students can check out opportunities at <https://www.nasa.gov/stem/international-internships-for-students.html>



Creating your application

Explore the Extraordinary

NASA's internship programs provide training, mentoring, and career development opportunities while working with the best science, engineering, financial, information technology and business minds in the world.

[Internship](#) [Pathways Internship](#) [Fellowship](#) [JPL Internship](#) [International Internship](#)

Internship

NASA Office of STEM Engagement (OSTEM) paid internships allow high school and college-level students to contribute to agency projects under the guidance of a NASA mentor.

Applicants for this internship must be U.S. Citizens and meet a minimum 3.0 GPA requirement. These paid internships are offered across NASA facilities in fall, spring, and summer sessions. One application is viewed agencywide. OSTEM interns may receive a stipend based on academic level and session length. Prior experience is not required. Opportunities are available at the high school, undergraduate, graduate, and educator levels.

Upcoming Dates:

– Summer 2024 Session Application Rolling Decision Deadline: Feb. 2, 2024

[Explore Our Opportunities](#) 



[Apply Now](#)

<https://stemgateway.nasa.gov/public/s/explore-opportunities>



Opportunity example



Communications Intern

ID: 016553 Course: Internships - HQ

About this opportunity

Internships are educational hands-on opportunities that provide unique NASA-related research and operational experiences for educators and high school, undergraduate, and graduate students. To learn more, visit <https://intern.nasa.gov>.

This internship opportunity is to work in the agency's Office of Communications (OCOMM) in support of NASA's missions. The office is responsible for planning, organizing, directing, and coordinating agency-wide communications activities for all facets of NASA's mission, programs, activities, and functions. The scope of agency communications entails a broad, diverse, and integrated set of efforts including news and media engagement, digital services and products (including web, multimedia, and social media), engagement activities, development of communications collateral and non-technical publications, exhibits development, as well other ancillary activities to share the results of NASA's efforts.

Projects for prospective interns exist across these areas and will be matched with skills, experience and interests of the students. For example, researching and using metrics to evaluate audiences and communication activity effectiveness; planning for and implementing large events and outreach; conducting benchmarking studies of industry and government best practices in communications; developing written communications products and plans for agency missions and activities.

Narrative
description of
internship



Details about
preferred majors,
skill sets,
internship
location, etc.



Key Details

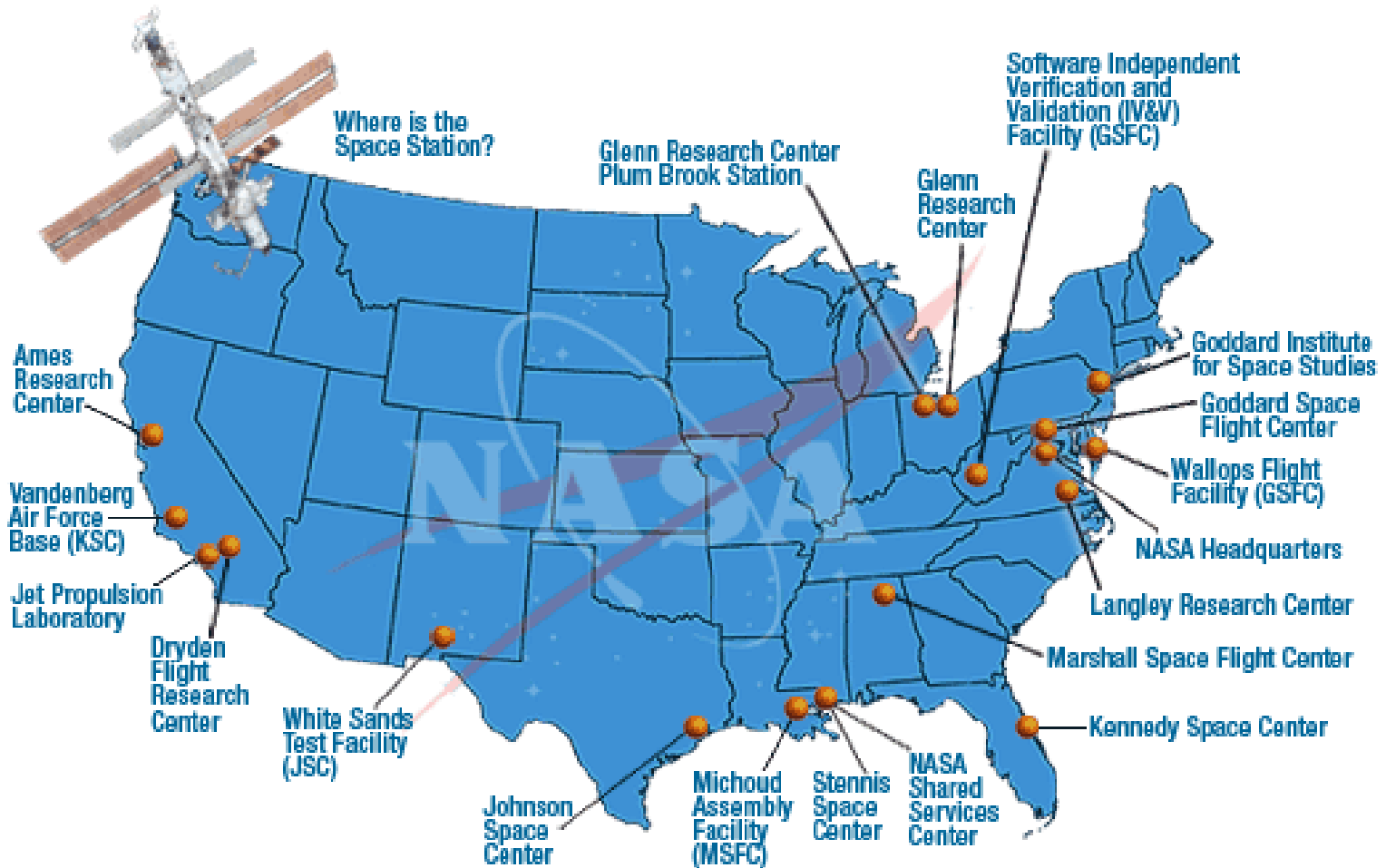
Engagement Type Internships	Eligible Applicant(s) Student
Academic Level Undergraduate Sophomore;Undergraduate Junior;Undergraduate Senior;Graduate Master's	Activity Format Virtual
Citizenship US Citizen Only	Location Washington, District of Columbia (D.C.)
Center Headquarters (HQ)	Work Schedule
Preferred Major Business - Corporate Communications;Business - Management / Marketing / Related Support Services;Business - Marketing;Communication - Journalism and Related Programs;Communication - Media Studies;Communications - Audio Visual;Communications - Graphic Communications;Communications - Public Relations / Advertising / Applied Communication;Communications - Publishing;Communications - Radio / Television / Digital Communications;Liberal Arts and Sciences / General Studies and Humanities	

Skills

Languages



NASA Facilities





Things to keep in mind

You can apply an unlimited number of opportunities with your application. However, you must clone your application each time you apply.

Broad criteria = more opportunities

Consider being open to different locations

Think broadly with your major – or even outside your major

You do not have to have 100% of the skills to apply.

They are wish lists

Consider getting training before the internship starts



Jet Propulsion Laboratory Internships

✦ Must apply through <https://www.jpl.nasa.gov/edu/intern/>

A banner image for the JPL Internships page. It shows a woman on the left looking towards a man on the right who is holding a pair of glasses. The background is a blurred scene of people in a workshop or lab. In the top left corner, there is a NASA logo and the text "Jet Propulsion Laboratory California Institute of Technology". In the top right corner, there are navigation links: "Education | Intern | Learn". In the bottom right corner, the word "Intern" is written in large white letters, followed by the text "Discover exciting internships and research opportunities at the leading center for robotic exploration of the solar system." data-bbox="47 360 916 773"/>

NASA Jet Propulsion Laboratory
California Institute of Technology

Education | Intern | Learn

Intern

Discover exciting internships and research opportunities at the leading center for robotic exploration of the solar system.



What fields are necessary for space exploration?

- Engineering
 - aeronautical, aerospace, biomedical, materials, electrical, nuclear, optical, structural, chemical, computer, basically all types
- Biology
- Human Health and Performance
- Computer Science
- Geology
- Geophysics
- Physics
- Materials Science
- Mathematics, Applied or Pure
- Metallurgy
- Astronomy
- Astrophysics
- Earth Science
- Planetary Science
- Solar Physics
- Ceramics
- Chemistry
- Meteorology
- Oceanography
- Mining
- Education
- Agriculture
- Welding*
- Accounting*
- Graphic Design*
- Art*
- Writing*
- Music
- Communications and Marketing
- Law, Policy, and many more!



Things to keep in mind



Lay the foundation for a future career



Connect your professor to NASA opportunities



Getting paid!

- ✦ May be paid directly by NASA or indirectly by NASA ISGC
 - JPL internships are paid directly by JPL/NASA
- ✦ Standard stipend amounts
 - Undergraduate students \$7,300 for a 10-week internship
 - Graduate students \$9,000 for a 10-week internship
- ✦ Internships usually paid in two installments
 - The first installment at the beginning of the internship
 - The second installment at the end of the internship once ISGC has received your internship report.
 - Once your paperwork is in, it takes about two weeks or so to get payments direct deposited. This applies to both the first and second installment.
- ✦ Housing
 - Some NASA Centers have on-site housing, others do not. All Centers usually provide some sort of housing guidance/list. Interns usually pay for their housing, food, and expenses during the internship.



NASA DEVELOP – another opportunity

- ✦ <https://appliedsciences.nasa.gov/what-we-do/capacity-building/develop/apply>
- ✦ DEVELOP node in Pocatello, ID (and around the U.S.)
- ✦ Requirements
 - At least 18 years of age
 - Ability to provide personal transportation to and from the DEVELOP location
 - Strong interest in Earth science and remote sensing; but no experience required
 - U.S. citizenship is required to apply to DEVELOP locations at NASA Centers
- ✦ Current students, recent graduates, mid-career professionals
- ✦ Summer 2024 Term:
 - Summer 2024 (Term Dates: Jun 3 - Aug 9)
 - Applications open: Jan 15 - Feb 24, 2024



Idaho-based Internship Opportunity

- ✦ Funding is available for internships/research experiences at ISGC affiliate institutions and/or private aerospace-related firms in Idaho
- ✦ Student and mentor find each other; then fill out respective applications
- ✦ Possibly 10-15 stipends available depending on number of applicants and duration of proposed internships/research opportunities
- ✦ Deadline for applications – March 8, 2024
 - More info: www.idahospacegrant.org/industryinternships
- ✦ **Getting paid**
 - Pay will be determined by duration of internship and undergraduate vs. graduate
 - Internships usually paid in two installments
 - The first installment at the beginning of the internship
 - The second installment at the end of the internship once ISGC has received your internship report.
 - Once your paperwork is in, it takes about two weeks or so to get payments direct deposited. This applies to both the first and second installment.



Other ISGC-related internships

✦ Bruneau Dunes State Park

- Assist with public Astronomy programs on Friday and Saturday night. Occasionally private programs during the week.
- Assist with public programs in exchange for access to numerous park telescopes for your research (includes a new observatory and its CK700 research quality telescope)
- Dormitories available later in season (currently being remodeled!)
- Internships from April 1 through October 15
- Contact isgc@uidaho.edu for more info

✦ Craters of the Moon National Monument and Preserve

- ✦ Usually need summer interns as well
- ✦ Announcement forthcoming





Questions from you?



ISGC Fellowships

www.idahospacegrant.org/fellowships

- ✦ Good for 1 year
- ✦ Renewable – but still competitive
- ✦ \$44,000 per year (intended to cover tuition and health insurance)
- ✦ Application must be completed by March 8, 2024

Your proposal will be evaluated based on how well it addresses the following:

Merit of proposed research - Are the goals of the research attainable? Are the proposed methods feasible?

Research timeline - Is it feasible to complete the research within the 1-year fellowship timeline? Are tasks and milestones clearly articulated?

Alignment - Is the proposed research aligned with NASA's Strategic Goals and/or the goals of the ISGC?

Publications - Is there a publication plan? Is it reasonable?



Fellowship Application Information

- ✦ Please have the following prepared before starting the application:
 - Current resume
 - Latest unofficial transcript
 - Research proposal
 - Contact information for two letters of recommendation

- ✦ Your research proposal must include:
 - Title Page with date of submission, title of project, and an abstract briefly describing the proposed research
 - Description of proposed research to include the goals, methods, and expected outcomes.
 - Research timeline
 - Alignment with NASA's current activities
 - Publication Plan
 - References
 - (Optional) Previous ISGC Fellowship support



Other Graduate Opportunities

- ✦ Other NASA Fellowship Opportunities
- ✦ <https://www.nasa.gov/learning-resources/internship-programs/nasa-fellowships/>



Questions from you?



Need to contact us?

✦ NASA Idaho Space Grant Consortium

- ✦ Web: www.idahospacegrant.org
- ✦ Facebook: @NASAISGC <https://www.facebook.com/NASAISGC>
- ✦ Instagram: @NASAISGC <https://www.instagram.com/nasaigsc/>
- ✦ Email: isgc@uidaho.edu
- ✦ LinkedIn: <https://www.linkedin.com/company/nasa-idaho-space-grant-consortium/>
- Phone: 208-885-4934



ISGC Fellowships

Will Weygint

M.S., Department of Natural Resources
and Society

University of Idaho

*Determining the suitability of thermal
remote sensing for monitoring intra-
annual tree growth in subalpine conifer
forests of Idaho and the Intermountain
West*



Maggi Kraft

Ph.D, Department of Geosciences

Boise State University

*Estimating snowmelt in forested mountain
watersheds with ground measurements,
lidar remote sensing, and MODIS fSCA*

