

The Road to Mission Science: *Seminars for Students and Early Career Researchers*

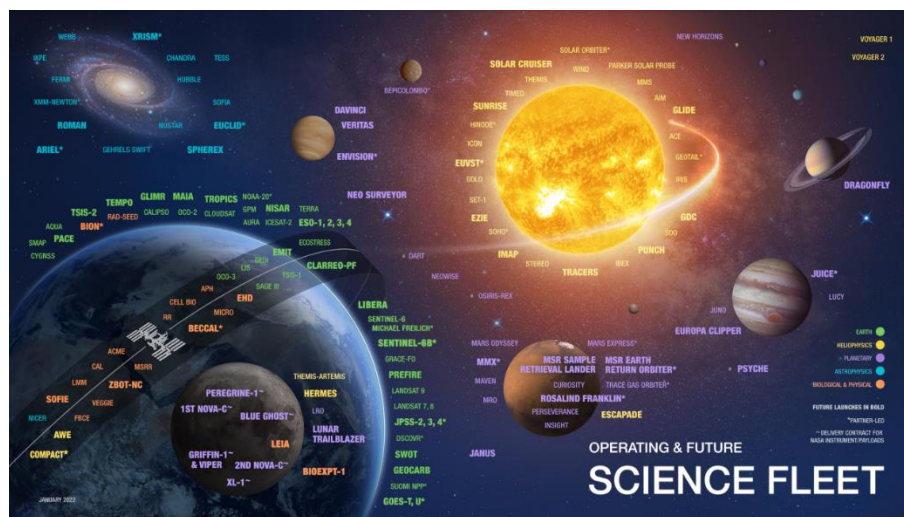
Recordings available on the [LPI YouTube channel](#)

Seminar 1: [Program information](#)

Seminar 2: [Program information](#)

Resource Packet:

The Lunar and Planetary Institute (LPI) strives to increase the awareness and accessibility of planetary science and mission science careers. This document contains information about internships, fellowships, awards, and additional resources for students and early career researchers.



Mission science: NASA's Science Mission Directorate (SMD) and the nation's science community use space observatories to conduct scientific studies of the Earth from space; to visit and return samples from other bodies in the solar system; to peer out into our Galaxy and beyond; and to leverage space-based laboratories to understand how biological and physical systems work at a fundamental level. Find all NASA Science Missions [here](#).

This document is not exhaustive. If you have recommendations for changes, please email gbeaudoin@lpi.usra.edu.

Stay up to date about upcoming seminars at our [Events page](#) or by signing up for our [Newsletter](#).



Example: Program Name	
<i>Managing organization</i>	<i>Discipline</i>
Brief description of the program. Deadlines, descriptions, and other information are subject to change. Interested individuals are encouraged to visit each program's webpage to find up-to-date information. Items shaded in grey are searchable databases.	
<i>Audience</i>	<i>Deadline</i>
Link to program webpage	

Opportunities:

INTERNSHIPS AND FELLOWSHIPS

NASA Internships	
<i>NASA</i>	<i>Varies</i>
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.	
<i>High school, undergraduate, graduate</i>	<i>Spring, Summer, Fall</i>
Learn more	

NASA International Internship (NASA I ²) Program	
<i>NASA</i>	<i>STEM</i>
NASA I ² seeks to better prepare all students to work in a global environment and on multicultural international missions. Internship sessions are arranged in three sessions during the calendar year (spring, summer and fall). The program is temporarily on hold due to the COVID-19 pandemic.	
<i>International undergraduates</i>	<i>Spring, Summer, Fall</i>
Learn more	

LPI Summer Intern Program in Planetary Science

LPI

Planetary science

The LPI Summer Intern Program in Planetary Science provides undergraduate students with an opportunity to perform cutting-edge research, learn from widely respected planetary scientists, and discover exciting careers in planetary science. During the 10-week internship, students have opportunities to participate in enrichment activities, including lectures and career development workshops.

Undergraduate students

December

[Learn more](#)

Summer Undergraduate Program for Planetary Research (SUPPR)

NASA; LPI

Planetary science

The Summer Undergraduate Program for Planetary Research, or SUPPR, is an eight-week summer internship providing undergraduates majoring in geology and related sciences with an opportunity to participate in NASA planetary geosciences research. The program is designed to help students gain educational experience in their fields of study while contributing to NASA missions and science.

Undergraduate students

February

[Learn more](#)

SETI Summer Research Internship Program

SETI Institute

Astronomy, astrobiology, planetary science

The SETI Institute, a non-profit private scientific research institution in California, invites motivated undergraduate students interested in astronomy, astrobiology, and planetary science to apply for a summer research internship. Interns will work with scientists at the SETI Institute and at the nearby NASA Ames Research Center on projects spanning the field of astrobiology from microbiology to observational astronomy.

Undergraduate students

February

[Learn more](#)

The Space Life Sciences Training Program at Ames Research Center

NASA Ames Research Center

Life sciences

The Space Life Sciences Training Program (SLSTP) provides students with professional experience in space life science disciplines. This ten-week summer program is hosted by NASA's Ames Research Center. The primary goal of the program is to train the next generation of scientists and engineers, enabling NASA to meet future research and development challenges in the space life sciences.

Undergraduates and recent graduates

January

[Learn more](#)

L'Space Academy

NASA; ASU

STEM

The NASA L'SPACE Academy is a free, online, interactive program open to undergraduate STEM students interested in pursuing a career with NASA or other space organizations. Students can expect to learn NASA mission procedures and protocols from industry professionals as they collaborate with fellow team members to complete mission-related team-projects over a 12-week term.

Undergraduate students

May

[Learn more](#)

Dragonfly Mission: Student opportunities

NASA; APL

STEM

Student Investigators will work with Dragonfly mission team members to conduct Titan research, help formulate Dragonfly mission science and operations plans, or assist in the development of instrumentation, hardware, or testing. A cohort of up to three (3) qualified graduate students from U.S. colleges and universities will be selected annually for two-year terms to work with the Dragonfly team.

Graduate students

May

[Learn more](#)

JPL Summer Internship Program

NASA JPL

STEM

The JPL Summer Internship Program, or SIP, offers 10-week, full-time, summer internship opportunities at JPL to undergraduate and graduate students pursuing degrees in STEM.

Undergraduate and graduate students

March

[Learn more](#)

JPL Year-Round Internship Program

NASA JPL

STEM

The JPL Year-Round Internship Program offers part-time and full-time internship opportunities at JPL during the academic year as well as summers to undergraduate and graduate students pursuing degrees in science, technology, engineering, or mathematics.

Undergraduate and graduate students

Rolling

[Learn more](#)

Maximizing Student Potential in STEM

NASA JPL

STEM

Maximizing Student Potential in STEM, or MSP, offers part-time and full-time fellowship opportunities at JPL to underrepresented students pursuing undergraduate or graduate degrees in science, technology, engineering, and mathematics (STEM) disciplines.

Undergraduate and graduate students

Rolling

[Learn more](#)

JPL Visiting Student Research Program

NASA JPL

STEM

The JPL Visiting Student Research Program, or JVSRRP, offers research opportunities to students who have a compatible research interest with NASA/JPL and have secured funding from third-party sponsors who are not associated with NASA or JPL funding sources.

Undergraduate and graduate students

Rolling

[Learn more](#)

Summer Fellowship Program

Center for Space Nuclear Research (CSNR)

Nuclear Science and Engineering

The Center for Space Nuclear Research (CSNR) invites undergraduate and graduate level students to experience cutting-edge research in nuclear power and propulsion technologies through CSNR's 10-week Summer Fellowship Program through the Center for Advanced Energy Studies. As a CSNR Summer Fellow, you will work as part of a team of students and scientists at the Idaho National Laboratory (INL) to complete a research project of current interest to NASA in potential nuclear technology performance.

Undergraduate and graduate students

April

[Learn more](#)

Search for REU Sites

NSF; various

STEM

NSF funds a large number of research opportunities for undergraduate students through its REU Sites program. An REU Site consists of a group of ten or so undergraduates who work in the research programs of the host institution. Each student is associated with a specific research project and works closely with faculty and other researchers. Use this database to search for REU opportunities.

Undergraduate students

Varies by REU

[Learn more](#)

Search for REU Programs in Planetary Science

NSF; various

Planetary science

Trying to find an REU program in planetary science can be difficult because planetary science is interdisciplinary, covering traditional fields such as geology, chemistry, astronomy, physics, etc. To assist students, the American Astronomical Society (AAS) has compiled a list of programs where students can apply to work on planetary science research.

Undergraduate students

Varies by REU

[Learn more](#)

NASA Community College Aerospace Scholars (NCAS)

NASA

STEM

NASA Community College Aerospace Scholars (NCAS) builds a diverse future STEM workforce by engaging two-year degree seeking students in authentic learning experiences. Students get a closer look at NASA's unique missions and research and learn how to develop their talents, interests, and passion to become future STEM professionals by participating in one of three missions.

Undergraduate students

April

[Learn more](#)

STEMUndergrads.science.gov

U.S. Government Agencies

STEM

This searchable database is your gateway to federal opportunities (internships, scholarships, and more) for undergraduate STEM students.

Undergraduate students

Varies

[Learn more](#)

STEMGradStudents.science.gov

U.S. Government Agencies

STEM

This searchable database is your gateway to federal opportunities (internships, fellowships, and more) for graduate STEM students.

Graduate students

Varies

[Learn more](#)

Field Training and Research Program in the San Francisco Volcanic Field

LPI; NASA SSERVI

Geoscience

The Field Training and Research Program in the San Francisco Volcanic Field, near Flagstaff, Arizona, is a week-long field class and research project in the sites used to train astronauts and used by NASA for lunar mission simulations. The program will provide students with an opportunity to assist with a research project in the volcanic field.

Graduate students

February

[Learn more](#)

DEVELOP National Program

NASA

Geoscience

As part of NASA's Applied Sciences Program, DEVELOP addresses environmental and policy concerns through the practical application of NASA Earth observations. DEVELOP projects apply Earth observations to the application areas of agriculture, disasters, ecological forecasting, energy, health and air quality, transportation and infrastructure, urban development, and water resources. As an interdisciplinary program, DEVELOP accepts participants with skills in a variety of fields. Students, recent graduates, and early career professionals with an interest in Earth science are encouraged to apply.

Undergraduates and recent graduates

Varies

[Learn more](#)

Mickey Leland Energy Fellowship (MLEF) Program

DOE

STEM

MLEF is a 10-week summer research fellowship. Participants complete a cutting-edge research project at one of the Department's National Laboratories or DOE Headquarters to minimize the environmental impacts of energy resource recovery and while working towards net-zero emissions.

Undergraduate and graduate students

January

[Learn more](#)

IRIS Summer Internship Program

IRIS; NSF; AGU

Geoscience

Are you an undergraduate interested in working on a seismological research project this summer? If so, consider applying for a paid summer internship in the IRIS Summer Internship Program. You will spend 8 to 10 weeks working on a research project with researchers at an IRIS member institution. Research projects may involve the deployment of seismic instruments in the field (within the US or internationally), and/or analyses of seismic data in a lab setting with the ultimate goal of producing results to be presented at a national scientific meeting.

Undergraduate students

February

[Learn more](#)

Mass Media Science and Engineering Fellowship

AGU; AAAS

STEM; Communication

The Mass Media Science and Engineering Fellows program is a 10-week summer program that places science, engineering, and mathematics students at media organizations nationwide. Fellows use their academic training as they research, write, and report today's headlines, sharpening their skills in communicating complex scientific issues to the public.

Graduate students

January

[Learn more](#)

AGU Congressional Science Fellowship

AGU

Geoscience; Public policy

The AGU Congressional Science Fellowship program places highly qualified and accomplished scientists, engineers, and other professionals in the office of an individual member of Congress or on a committee for a one-year assignment. The program allows our federal government to more effectively use scientific knowledge and provides scientists with the opportunity to make significant contributions to public policy during their time on Capitol Hill.

Early-career scientists and professionals

January

[Learn more](#)

ASPIRE High School Internship Program

APL

STEM

The ASPIRE program at APL is a unique opportunity for high school juniors and seniors to experience and explore STEM careers before committing to an area of study in college. During the intensive summer session and the longer academic-year session, ASPIRE interns are paired with APL staff mentors to complete projects, solve problems, and learn and apply crucial technical and interpersonal skills in a hands-on, professional environment.

High school students

April

[Learn more](#)

ATLAS Internship Program

APL

STEM

If you're a full-time college student majoring in a science, technology, engineering, or math (STEM) field at a Historically Black College or University (HBCU), Hispanic Serving Institution (HSI), or Tribal College or University (TCU), the ATLAS internship program is for you! This exciting program focuses on growing technical excellence, fostering professional development, and promoting networking. As an ATLAS intern, you'll work alongside experts in your field and make critical contributions to real-world projects.

Undergraduate students

August

[Learn more](#)

Technical College Internship Program

APL

STEM

APL seeks talented college students to help us solve challenging technical problems. The College Summer Internship Program offers practical work experience and an introduction to APL for engineering and science majors. Internship openings are primarily in the areas of engineering, applied math/physics, computer science and cyber security. We also have a limited number of openings in other STEM areas (chemistry, biology, and material science).

Undergraduate students

August

[Learn more](#)

Science Undergraduate Laboratory Internships (SULI)

DOE

STEM

The Science Undergraduate Laboratory Internships (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. Selected students perform research, under the guidance of laboratory staff scientists or engineers, on projects supporting the DOE mission during 10- to 16-week appointments.

Undergraduates and recent graduates

Varies

[Learn more](#)

Community College Internships (CCI)

DOE

STEM

The Community College Internships (CCI) program seeks to encourage community college students to enter technical careers relevant to the DOE mission by providing technical training experiences at the DOE laboratories. Selected students work on technologies or instrumentation projects or major research facilities supporting DOE's mission, under the guidance of laboratory staff scientists or engineers during 10-week appointments.

Undergraduate students

Varies

[Learn more](#)

Office of Science Graduate Student Research (SCGSR) Program

DOE

STEM

The SCGSR program provides supplemental funds for graduate students to conduct part of their thesis research at a host DOE laboratory/facility in collaboration with a DOE laboratory scientist during a 3- to 12-month award period. The opportunity is expected to advance the graduate students' research project by providing access to the expertise, resources, and capabilities available at the DOE laboratories/facilities.

Graduate students

Varies

[Learn more](#)

Scientists in Parks

National Parks

Varies

The Scientists in Parks Program seeks motivated applicants to complete numerous exciting projects in America's national parks. The program is committed to providing all aspiring professionals—especially those underrepresented in science—with a unique opportunity to work on important real-world projects while building professional experience and a life-long connection to America's national parks. The next application period will open in May 2022 for positions starting between October 2022 - April 2023.

All

Summer

[Learn more](#)

AGU Bridge Program

AGU

Geoscience

The Bridge Program increases opportunities for students from historically marginalized populations to obtain graduate degrees and create a network of peers, mentors, and advisers to support and serve them before, during and after grad school. Students with degrees closely related to geosciences should apply to the program. If you are an undergraduate or graduate student in the geosciences and identify with a historically marginalized identity, this program is for you!

Undergraduate students

March

[Learn more](#)

American Museum of Natural History REU Program

AMNH

STEM

The American Museum of Natural History's Division of Physical Sciences offers paid summer undergraduate research opportunities in Astrophysics, and Earth and Planetary Sciences. The program is open to all students in any two- or four-year undergraduate degree program.

Undergraduate students

January

[Learn more](#)

National MagLab REU Program

The National High Magnetic Field Laboratory

STEM

The MagLab's Research Experiences for Undergraduates (REU) program is a paid summer internship for college students interested in a science career. Students work closely with MagLab mentors on a novel research project. The MagLab REU program offers a wide range of research experiences in physics, chemistry, biological sciences, geochemistry, materials science and magnet science and engineering.

Undergraduate students

February

[Learn more](#)

Unidata Summer Internships

UCAR

Data science

The Unidata Summer Internship program offers graduate students and upper-level undergraduates the opportunity to work closely with Unidata’s professional staff on a variety of projects. Interns interact with software developers, instructional designers, technical writers, and other mentors, building skill with modern software development processes, learning about data-enabled geoscience, and generally getting to know what it’s like to work in a community-focused organization supporting Earth Science research and education.

Undergraduate and graduate students

February

[Learn more](#)

Explorer-in-Training Program

NOAA

Ocean science

The Explorer-in-Training Program equips students with skills to meet the current and future demands of the ocean exploration workforce, providing meaningful experiential learning opportunities that support NOAA Ocean Exploration’s mission. The program features two paid internship options: (a) 2 to 4-week expedition-based opportunities (Hydrography & Seafloor Mapping) and (b) 10-week summertime opportunities (Exploration Education, Media, & Science Communication).

Undergraduate and graduate students

February

[Learn more](#)

NASA Postdoctoral Program

NASA

STEM

The NASA Postdoctoral Program (NPP) offers opportunities to U.S. and non-U.S. scientists to engage in ongoing NASA projects at a NASA Center, NASA Headquarters, or at a NASA-affiliated research institute. These one- to three-year fellowships are competitive and are designed to advance NASA’s missions in space science, Earth science, aeronautics, space operations, exploration systems, and astrobiology. Scientists within five years of receiving their degrees are eligible to apply as a postdoctoral Fellow; scientists who have received their doctorates more than five years previously may apply as a Senior Fellow.

Post-docs and scientists

March, July, November

[Learn more](#)

LPI Postdoctoral Positions

LPI

Planetary science

Review postdoctoral researcher positions available at the Lunar and Planetary Institute. LPI's science team pursues innovative research, supports NASA programs, provides a connection to the university scientific community, and contributes scientific knowledge and expertise to all of the Institute's programs and activities.

Recent PhDs and post-docs

Until filled

[Learn more](#)

DPS Jobs Center

AAS DPS

Planetary science

The Division for Planetary Science (DPS) of the American Astronomical Society (AAS) advertises available jobs in planetary science.

Post-docs and scientists

Varies

[Learn more](#)

STScI Postdoctoral Fellowships

STScI

Space and planetary science

The Space Telescope Science Institute (STScI) works with several partners to administer seven fellowship opportunities to postdoctoral scientists working in the fields of astronomy, astrophysics, or planetary science. Applications for STScI-hosted Fellowships may not be sought every year. Applications typically open in September and close in October or November.

Post-docs

October-November

[Learn more](#)

JPL Postdoctoral Positions

JPL NASA

STEM

Find current job openings for postdoctoral scholars at the JPL. The academic environment at JPL is strongly informed by its role as part of Caltech. Post-docs have always been a critical element of the research community, and JPL is committed to providing ample opportunity with the right framework for success.

Post-docs and scientists

February, May, August, November

[Learn more](#)

NRC Research Associateship Program

National Academies

STEM

The National Academies of Sciences, Engineering, and Medicine's Fellowships Office conducts the NRC Research Associateship Programs in cooperation with sponsoring federal laboratories and other research organizations at over 100 locations throughout the U.S. and abroad. As NRC Research Associates, selected postdoctoral and senior scientists and engineers conduct independent research, access unique facilities and expertise, and collaborate with leading experts. Applications are accepted on a quarterly basis.

Post-docs and scientists

February, May, August, November

[Learn more](#)

Southwest Research Institute Internships

SWRI

Varies

The Southwest Research Institute provides research and development services to government and industry clients. From the deep sea to deep space, SRI's multidisciplinary teams conduct cutting-edge research, develop innovative technologies, and lead scientific missions that advance our understanding of the Earth and solar system. SWRI seeks students currently enrolled in college with a GPA of 3.0 or higher to work with their scientists and engineers.

Undergraduate, graduate, post-doc, scientist

Varies

[Learn more](#)

NSF Postdoctoral Fellowships

NSF

All

The National Science Foundation (NSF) awards Postdoctoral Fellowships to recent recipients of doctoral degrees to conduct an integrated program of independent research and professional development. Fellowship proposals must address scientific questions within the scope of their disciplinary program. Awards are offered through various Divisions and Offices within each Directorate (Geosciences, Engineering, etc.). Learn more by exploring the 'Programs' within each Directorate.

Post-docs

October

[Learn more](#)

APL Postdoctoral Positions

JHU APL

Engineering, space science

Search current openings for postdoctoral positions at Johns Hopkins University's Applied Physics Laboratory (APL). As a university affiliated research center, APL is a not-for-profit, independent research organization that provides unique career opportunities as part of a community of experts that supports cutting-edge national security and scientific solutions for the U.S. government.

Recent PhDs and post-docs

Varies

[Learn more](#)

AGU Career Center

AGU

Earth and space science

No matter your career stage, professional and career development are important to advancing yourself and helping guide others. The American Geophysical Union (AGU) provides career and educational resources, webinars, mentoring services, and support for students and professionals at all levels in Earth and space science. Visit AGU's Career Center to find current job postings for various career levels.

Graduate, post-doc, scientist

Varies

[Learn more](#)

AFRL Internships and Fellowships

AFRL

STEM

The Air Force Research Laboratory (AFRL) offers summer programs, internships and fellowships give you the opportunity to explore career paths and make lasting connections in science and technology.

High school, undergraduate, graduate, post-doc

February, May, August, November

[Learn more](#)

Opportunities to work at U.S. National Labs

DOE

Varies

The Department of Energy's National Laboratories offer jobs, internships, and fellowships to talented individuals. Many also have educational resources from community outreach programs to online learning modules. Visit each National Labs' jobs and internship/education pages to explore the outstanding opportunities available across one of the most productive and sophisticated research systems in the world.

All

Varies

[Learn more](#)

ORISE Internships and Fellowships

ORISE

STEM

Oak Ridge Institute for Science and Education (ORISE) connects the most talented and diverse college students, recent graduates, postdocs, and faculty to STEM internship and fellowship programs closely aligned with the interests of a variety of research facilities, including those managed for the U.S. Department of Energy and more than a dozen other federal agencies.

High school, undergraduate, graduate, post-doc, faculty

Varies

[Learn more](#)

IMPACT Fellowship

NPA

All

Administered by the National Postdoctoral Association (NPA), IMPACT increases access to opportunities for marginalized early-career research trainees to build professional skills, understand their leadership strengths, and develop supportive networks. Through a year-long, interactive fellowship that uses a variety of tools, IMPACT empowers fellows to strategically build upon existing skills, recognize opportunities, and advance more confidently in their careers.

Post-docs

August

[Learn more](#)

IMPACT Fellowship

NPA

All

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Post-docs

August

[Learn more](#)

NASA Science Mission Design Schools

NASA JPL

Robotics; mission science

NASA Science Mission Design Schools are 3-month-long career development experiences for doctoral students, recent Ph.D.s., postdocs, and junior faculty who have a strong interest in science-driven robotic space exploration missions. The Science Mission Design Schools are designed to prepare the next generation of scientists and engineers for participation and leadership in space science missions of the future.

Graduate students, post-docs, and researchers

March

[Learn more](#)

SBP Leaders Program

*Sanford Burnham Prebys Medical Discovery
Institute*

All

This premier leadership development program, organized by Sanford Burnham Prebys Medical Discovery Institute is open to postdoctoral scholars at all institutions. The unique, year-long program gives postdocs insight into how their innate preferences and associated behaviors can affect their leadership styles, impact their teams, and ultimately affect their career satisfaction and success. Certifications are awarded to participants who complete all program requirements.

Post-docs

July

[Learn more](#)

Find more opportunities

To receive the latest science news and announcements (job listings, proposal solicitations, etc.), consider subscribing to:

- [LPI Newsletters](#) (Planetary News; Lunar and Planetary Bulletin; Seminars)
- [Planetary Exploration Newsletter](#)
- [NASA Newsletters](#) and [NASA for Researchers](#)
- [JPL Newsletters](#)
- [Division for Planetary Science News](#)

Opportunities:

SCHOLARSHIPS AND AWARDS

USRA Distinguished Undergraduate Awards

USRA

STEM

USRA presents up to four scholarship awards to undergraduate students each fall as part of its Distinguished Undergraduate Award program. Applicants must be full-time undergraduate students attending a four-year accredited college or university that offers courses leading to a degree in science or engineering. Applications for 2022 awards will be accepted starting in June 2022.

Undergraduate students

Summer 2022

[Learn more](#)

Hertz Fellowship

The Hertz Foundation

STEM

The Hertz Fellowship is awarded annually to the nation's most promising graduate students in science and technology. Using a rigorous, merit-based process, we identify innovators with the greatest potential to create transformative solutions to the world's most urgent challenges. The application for the 2023 class of Hertz Fellows will be available beginning Monday, August 15.

Senior undergraduates or 1st year PhD students

October

[Learn more](#)

Ford Foundation Fellowship

National Academies

Science, engineering, medicine

Predocorial, dissertation, and postdoctoral fellowships are awarded in a national competition administered by the National Academies of Sciences, Engineering, and Medicine on behalf of the Ford Foundation. The Ford Foundation seeks to increase the diversity of the nation's college and university faculties. The 2023 application will open on September 6, 2022.

Graduate students and post-docs

December

[Learn more](#)

L'Oréal USA For Women in Science (FWIS) Fellowship Program

L'Oréal; AAAS

STEM

The L'Oréal USA For Women in Science fellowship program awards five women postdoctoral scientists annually with grants of \$60,000 each for their contributions in Science, Technology, Engineering and Math (STEM) fields and commitment to serving as role models for younger generations.

Recent PhDs and post-docs

January

[Learn more](#)

Texas Space Grant Consortium (TSGC) Scholarships and Fellowships

TSGC

STEM

The Texas Space Grant Consortium has awarded over \$2,000,000 in Fellowships and Scholarships to students in Texas. All graduate and undergraduate students that are attending TSGC academic institutions are eligible to apply. Applications for the 2022-2023 academic year are due May 16, 2022.

Undergraduate and graduate students

May

[Learn more](#)

U.S. Space Grant National Network

NASA; academic institutions

Space science

Space Grant is a national network of colleges and universities working to expand participation in NASA's projects by supporting education, research, and public outreach. The Space Grant national network includes over 850 affiliates from universities, colleges, industry, museums, science centers, and state and local agencies. Follow the link below to learn more about the Space Grant network in your area.

[Learn more](#)

Graduate Research Fellowships Program (GRFP)

NSF

STEM

The National Science Foundation (NSF) GRFP recognizes and supports outstanding graduate students who are pursuing research-based master's and doctoral degrees in fields within NSF's mission. The GRFP provides up to three years of support for the graduate education of individuals who have demonstrated their potential for significant achievements in science and engineering research.

Graduate students

October

[Learn more](#)

Harriet Evelyn Wallace Scholarship for Women Geoscience Graduate Students

AGI

Geoscience

The Harriet Evelyn Wallace Scholarship is available to all women pursuing a Master's or Doctoral degree in the geosciences at an accredited U.S. institution of higher education in a recognized geoscience program.

Graduate students

February

[Learn more](#)

AGI Scholarship for Advancing Diversity in the Geoscience Profession

AGI

Geoscience

The scholarship is a one-time \$5000 award paid upon confirmation of active enrollment in a geoscience graduate program. The scholarship is open to geoscience students who self-identify as Black, Indigenous, or Person of Color and are within 2 semesters of completing their bachelor's degree in a geoscience.

Graduate students

February

[Learn more](#)

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AGI

Geoscience

The scholarship is a one-time \$5000 award paid upon confirmation of active enrollment in a geoscience graduate program. The scholarship is open to geoscience students who self-identify as Black, Indigenous, or Person of Color and are within 2 semesters of completing their bachelor's degree in a geoscience.

Graduate students

February

[Learn more](#)

AGU Travel and Research Grants

AGU

Geoscience

AGU offers many grant opportunities, primarily to students, to support travel to AGU meetings and conduct research in specific Earth and space science fields.

Undergraduate and graduate students

Varies

[Learn more](#)

American Meteorological Society Student Awards

AMS

Atmospheric science

The American Meteorological Society (AMS) administers an array of graduate fellowships and undergraduate scholarships with the support of its members, corporations, and government agencies nationwide. The fellowships and scholarships range from \$1,000 to \$25,000 and help further the education of outstanding graduate and undergraduate students pursuing a career in the atmospheric and related oceanic or hydrologic sciences.

Undergraduate and graduate students

January

[Learn more](#)

GSA Graduate Student Research Grants

GSA

Geoscience

The primary role of the GSA research grants program is to provide partial support of master's and doctoral thesis research in the geological sciences for graduate students enrolled in universities in the United States, Canada, Mexico, and Central America. In 2020, \$651,645 was awarded to 360 graduate students (~55% of the 657 who applied), with an average grant of \$1,820.

Graduate students

February

[Learn more](#)

On To the Future (OTF) Program

GSA

Geoscience

GSA's On To the Future (OTF) program supports students from diverse communities to attend the annual geoscience meeting, GSA Connects, by offering partial travel funding if attending in-person, full or online meeting registration, one-year membership, mentorship, and special sessions with leadership during the meeting.

Undergraduate and graduate students

June

[Learn more](#)

Expanding Representation in Geosciences (ERG) Scholarship

GSA

Geoscience

The goal of GSA's Expanding Representation in Geosciences (ERG) Scholarship is to foster the success of diverse students and to encourage their persistence in GSA as Members, role models, and future leaders in the geosciences.

Undergraduate students

May

[Learn more](#)

List of Scholarships for African American Students

Tuskegee University

Varies

Tuskegee University has compiled a list of scholarships that are available to current and prospective undergraduate college students.

Undergraduate students

Varies

[Learn more](#)

NOAA EPP/MSI Undergraduate Scholarship

NOAA

STEM

The NOAA Educational Partnership Program (EPP) with Minority Serving institutions (MSI) Undergraduate Scholarship provides an opportunity for undergraduate students to study a wide range of science, engineering, mathematical, computer, technology and social science disciplines related to NOAA's mission and objectives. During the internships portion of the award, the scholar is provided opportunities for hands-on research at participating NOAA facilities. Scholars receive financial assistance for two academic years, a bi-weekly stipend and housing allowance during summer internships.

Undergraduate students at MSIs

September

[Learn more](#)

Additional Resources and Opportunities:

Eclipse Ambassadors

ASP

Public engagement

Eclipse Ambassadors off the Path will prepare 500 communities off the paths of the 2023/24 solar eclipses to enjoy the science and wonder of this natural phenomenon. Supported by NASA, the ASP will partner college undergraduate students with amateur astronomers and train the partners to share the excitement of NASA solar science with their communities.

Undergraduate students

Summer 2022

[Learn more](#)

Future Leaders of Ocean Worlds

Network for Ocean Worlds

Network / Community

Future Leaders of Ocean Worlds (FLOW) is a multidisciplinary group of early career scientists and engineers (undergrads, grad students, postdocs, research scientists and others <10 years post terminal degree) interested in ocean worlds and actively engaged in research relating to planetary science, origins of life, astrobiology, cryospheres, and/or oceanography. FLOW seeks to foster collaboration, develop community, and advance the interests of early career ocean world researchers.

Students, post-docs, and early-career scientists

N/A

[Learn more](#)

National Postdoctoral Association

NPA

Network / Community

The National Postdoctoral Association (NPA) was established with the goal of fostering necessary improvements to the postdoctoral situation in the United States. With a focus on advocacy, resource development, and commitment to improving diversity, equity, and inclusion, the NPA strives to improve the postdoctoral experience at the individual, organizational, and national levels. Join a community of over 70,000 scholars across more than 300 institutions.

Post-docs

N/A

[Learn more](#)

Científico Latino Project

Científico Latino

Network / Community

The Científico Latino Project comes from a drive to increase the pool of minority scientists and professionals by creating a platform where everyone has equal access to fellowship and scholarship opportunities and the chance to learn from peers and mentors. Científico Latino aims to help undergraduate, graduate, and professional students by providing mentorship, open-access resources on scholarships, fellowships and blog posts on professional development.

Students, post-docs, and early-career scientists

N/A

[Learn more](#)

Article: "10 Things You Can Do Now to Prepare for a NASA Internship"

NASA

Internships

Every year, NASA looks for talented candidates to bring their talents and ideas to their internship program. #NASAIterns contribute directly to missions like the Artemis program and the Mars Exploration program. Ready to launch your NASA career? Here are 10 things you can do now to prepare for a NASA internship.

All

N/A

[Learn more](#)

Podcasts about the NASA Intern Experience

NASA

Varies

If you're fascinated by the idea of interning at NASA, contributing to NASA missions and exploring the extraordinary every day, you've come to the right place. Listen to #NASAIterns experiences via NASA's Podcasts!

All

N/A

[Learn more](#)

Graduate Schools for Planetary Science

NSF; various

Planetary science

Planetary science is a dynamic and diverse discipline. Typically, research scientists earn a PhD in a field such as geology, chemistry, astronomy, physics, etc. while focusing their research in that area to planetary or solar system oriented topics. To assist students, the American Astronomical Society (AAS) has compiled a list of graduate programs which can lead to a PhD with a planetary science focus.

Undergraduate and graduate students

[Learn more](#)

NASA Mission To Mars Student Challenge

NASA JPL

Engineering

Get K-12 students exploring Mars with NASA scientists, engineers, and the Perseverance rover as they learn all about STEM and design their very own mission to the Red Planet! Everything you need is right here – including guided education plans, expert tips, and resources from NASA.

Educators (grades K-12)

Ongoing

[Learn more](#)

NASA Student Challenges

NASA

STEAM

Join the NASA team! Every year, NASA announces challenges that involve student participation. And you don't have to be a rocket scientist to take part. The challenges deal with space, history, math, language arts, engineering, geography, and the sciences. Student challenges are a great chance for you to get involved with NASA!

Students and educators (K-16)

Varies

[Learn more](#)

Student Spaceflight Experiments Program (SSEP)

NCSSE

Engineering

Opportunity for a school community to engage grade 5-16 students in real microgravity experiment design and proposal writing. One experiment from each community will be selected for operation by astronauts on board the International Space Station.

Educators & administrators (grades 5-16)

April

[Learn more](#)

NASA's Citizen Science Projects

NASA

Varies

NASA's citizen science projects are collaborations between scientists and interested members of the public. Through these collaborations, volunteers (known as citizen scientists) have helped make thousands of important scientific discoveries.

All

Varies

[Learn more](#)

The GLOBE Program

GLOBE

Earth science

The Global Learning and Observations to Benefit the Environment (GLOBE) Program is an international science and education program that provides students and the public with the opportunity to participate in data collection and the scientific process and contribute meaningfully to our understanding of the Earth System and global environment.

All

Varies

[Learn more](#)

Zooniverse

Zooniverse

Varies

The Zooniverse is the world's largest and most popular platform for people-powered research. This research is made possible by volunteers — more than a million people around the world who come together to assist professional researchers. You don't need any specialized background, training, or expertise to participate in any Zooniverse projects. We make it easy for anyone to contribute to real academic research, on their own computer, at their own convenience.

All

Varies

[Learn more](#)