

NSF Graduate Research Fellowship Program (GRFP)
www.nsfgrfp.org

Summary: The program recognizes and supports outstanding graduate students who are pursuing full-time research-based master's and doctoral degrees in science, technology, engineering, and mathematics (STEM) or in STEM Education. The GRFP provides three years of support for the graduate education of individuals who have demonstrated their potential for significant research achievements.

Awards. Fellowship funding will be for a maximum of three years of financial support. The GRFP stipend is currently \$34,000 for a 12-month tenure period (Tuition, fees, and insurance are also covered).

Remember that GRFP awards people, NOT projects.

When is Proposal Due (5pm Local time):

October 22, 2018: Life Sciences, Geosciences

October 23, 2018: Computer and Information Science and Engineering, Engineering, Materials Research

October 25, 2018: Psychology, Social Sciences, STEM Education and Learning

October 26, 2018: Chemistry, Mathematical Sciences, Physics and Astronomy

How to submit?

Fellowship applications must be submitted by the prospective Fellow. Applicants must register with FastLane (<https://www.fastlane.nsf.gov/fastlane.jsp>) prior to submitting an application.

Who is eligible? Applicants must self-certify that they are eligible to receive the Fellowship. To be eligible, an applicant must meet all of the eligibility criteria listed on nsfgrfp.org by the application deadline.

Undergraduate seniors and bachelor's degree holders may apply before enrolling in a degree-granting graduate program; Graduate students enrolled in a degree-granting graduate program are limited to only **one** application to the GRFP, submitted in the first year or at the beginning of the second year of their degree program. U.S. Citizenship or permanent residency needed.

Proposal format. Two statements are required, **1)** Personal, Relevant Background and Future Goals Statement; and **2)** Graduate Research Plan Statement.

Other information needed: 1) Reference Letters (Deadline: November 2, 2018). Three reference letters must be submitted electronically by the reference writers through the FastLane GRFP Application Module.

2) Transcripts. Transcripts must be submitted electronically through the FastLane GRFP Application Module by the Field of Study application deadline. Check NSF Fastlane carefully.

The statements must be written using the following guidelines:

- Standard 8.5" x 11" page size; 12-point, Times New Roman font. 10-point font may be used for references, footnotes, figure captions and text within figures; 1" margins on all sides; Single-spaced (approximately 5 lines per inch) or greater line spacing.
- The maximum length of the Personal, Relevant Background and Future Goals Statement is three pages; The maximum length of the Graduate Research Plan Statement is two pages. These page limits include all references, citations, charts, figures, images, and lists of publications and presentations.
- Both statements must address NSF's review criteria of Intellectual Merit and Broader Impacts. **In each statement, applicants should address Intellectual Merit and Broader Impacts under separate headings, to provide reviewers with the information necessary to evaluate the application with respect to both Criteria.**

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Who reviews GRFP Proposals?

Applications will be reviewed online by virtual panels of disciplinary and interdisciplinary scientists and engineers and other professional graduate education experts.

What should Proposal Contain? When evaluating NSF proposals, reviewers will be asked to consider what the proposers want to do, why they want to do it, how they plan to do it, how they will know if they succeed, and what benefits could accrue if the project is successful. These issues apply both to the technical aspects of the proposal and the way in which the project may make broader contributions. To that end, reviewers will be asked to evaluate all proposals against two criteria:

- The **Intellectual Merit** criterion encompasses the potential to advance knowledge; and
- The **Broader Impacts** criterion encompasses the potential to benefit society and contribute to the achievement of specific, desired societal outcomes.

Personal, Relevant Background and Future Goals Statement

How did you become interested in your area? ; How have your prior experiences provided you the means necessary to conduct your study? ; Why should society care about your area? ; How will you communicate your findings to society? ; How will this funding opportunity advance your career goals?

Research Plan Statement. What is your specific question/topic, and why is it important? ; How (and with whom) will you collaborate? ; What will be your *general* approach/method? ; What are your main hypotheses and/or predictions? ; Include key references and/or figures.

What is intellectual merit? Demonstrated ability for applicant's scholarly scientific study, specifically, a) ability to plan and conduct research, b) ability to work as a member of a team and/or independently, and, c) ability to interpret and communicate findings.

What is Broader Impact? Assessment that applicant's research will effectively integrate research & education at all levels, infusing learning with the excitement of discovery; encourage diversity, broaden opportunities, and enable participation of all citizens; enhance scientific and technical understanding; benefit society.

Profile of a Successful Application

- Competitive applicants have high GPA (often > 3.9), submitted and presented abstracts/posters of research at national conferences, coauthored peer-reviewed conference papers, and/or journal articles, received awards, achieved honors.
- Work and Other Experience includes – internship, research assistant, tutor, volunteer work – all demonstrating a commitment to long term pursuit in the STEM discipline, and each one building on the other.
Therefore, start research early and seek out NSF REU experiences at UAH or other universities (great source of references)
- Other – e.g. captain of athletic team, president of professional campus societies shows leadership and community involvement
- Research Statement – demonstrate clear understanding of literature, context of the work, its broad applicability, application of scientific principles; technical yet articulate; clearly written by the applicant. A strong Broader Impact narrative is also important.

Funding Opportunities for Rising Graduate Students
Information provided by the Office of Proposal Development

NSF National Graduate Research Fellowship Program (GRFP)
National Science Foundation

Closing Date for Applications: [October 22, 23, 25, 26, 2018](#)

Brief Description: The purpose of the NSF Graduate Research Fellowship Program (GRFP) is to help ensure the vitality and diversity of the scientific and engineering workforce of the United States. The program recognizes and supports outstanding graduate students who are pursuing full-time research-based master's and doctoral degrees in science, technology, engineering, and mathematics (STEM) or in STEM education. The GRFP provides three years of support for the graduate education of individuals who have demonstrated their potential for significant research achievements in STEM or STEM education. NSF especially encourages women, members of underrepresented minority groups, persons with disabilities, veterans, and undergraduate seniors to apply. Each Fellowship consists of three years of support during a five-year fellowship period. Currently, NSF provides a stipend of \$34,000 to the Fellow and a cost-of-education allowance of \$12,000 to the graduate degree-granting institution for each Fellow who uses the fellowship support in a fellowship year. **Undergraduate seniors and bachelor's degree holders may apply before enrolling in a degree-granting graduate program.**

Graduate students enrolled in a degree-granting graduate program are limited to only one application to the GRFP, submitted in the first year or at the beginning of the second year of their degree program.

Visit the following link for full program, eligibility, and application requirements:

<https://www.nsf.gov/pubs/2018/nsf18573/nsf18573.htm>

NASA: Space Technology Research Fellowship (NSTRF) – Fall 2018

Closing Date for Applications:

Phase A Applications - November 2, 2017

Phase B Applications – May 18, 2018 (Look for the Fall 2019 program release in September 2018)

Brief Description: This call for graduate student fellowship applications, entitled NASA Space Technology Research Fellowships (NSTRF) – Fall 2018 (NSTRF18), solicits applications from individuals pursuing or **planning to pursue** master's (e.g., M.S.) or doctoral (e.g., Ph.D.) degrees in relevant space technology disciplines at accredited U.S. universities. NASA Space Technology Fellows will perform innovative space technology research and will improve America's technological competitiveness by providing the Nation with a pipeline of innovative space technologies. This call is open to students who meet the following eligibility requirements: have or will have a bachelor's degree prior to the fall 2018 term; are or will be enrolled in a full-time master's or doctoral degree program at an accredited U.S. university in fall 2018 (awards may not be deferred). Visit the following link for full program, eligibility, and application requirements: <https://nspires.nasaprs.com/external/solicitations/summary!init.do?solId={CF8E9FD7-BD49-FEB7-F5C7-BB7ECBB559CC}&path=open>

Sigma Xi: Grants-in-Aid of Research Application

Closing Date for Applications: **March 15th and October 1st of each year**

Brief Description: The Sigma Xi Grants-in-Aid of Research (GIAR) program has provided **undergraduate and graduate students** with valuable educational experiences since 1922. By encouraging close working relationships between students and mentors, the program promotes scientific excellence and achievement through hands-on learning. The program awards grants of up to \$1,000 to students from all areas of the sciences and engineering. Designated funds from the National Academy of Sciences allow for grants of up to \$5,000 for astronomy research and \$2,500 for vision related research. Students use the funding to pay for travel expenses to and from a research site, or for purchase of non-standard laboratory equipment necessary to complete a specific research project. Only undergraduate and graduate students currently enrolled in degree seeking programs may apply. Undergraduates who are graduating seniors must plan to complete their research prior to graduation. Visit the following link for full program, eligibility, and application requirements: <https://www.sigmaxi.org/programs/grants-in-aid>

NASA: NASA Fellowship Activity

Closing Date for Applications: **March 20, 2018 (Look for new program release date in January 2019)**

Brief Description: The NASA Fellowship Activity seeks to leverage NASA's unique mission activities to enhance and increase the capabilities, diversity, and size of the nation's next generation workforce needed to enable future NASA discoveries. This announcement requests research individually conceived proposals from interested applicants to support the Fellowships component of Education. The NASA Fellowship Activity provides financial support to graduate students pursuing a Master's or Doctoral degree in STEM while partaking in graduate unique research projects under the guidance of an institutional Principal Investigator in collaboration with NASA Technical Advisers. Visit the following link for full program, eligibility, and application requirements:

<https://nspires.nasaprs.com/external/solicitations/summary!init.do?solId={1CA633C8-7767-8658-6260-F318694A347B}&path=open>

NASA: Earth and Space Science Fellowship (NESSF) 2018-2019

Closing Date for Applications: **February 1, 2018 (Look for the 2019-2020 program release in November 2018)**

Brief Description: Through this NASA Earth and Space Science Fellowship (NESSF) solicitation, the National Aeronautics and Space Administration (NASA) Science Mission Directorate (SMD) invites applications for 2018-2019 Academic Year fellowships from accredited U.S. universities on behalf of their students pursuing Masters or Doctoral (Ph.D.) degrees in Earth and space sciences or related disciplines. The purpose of the NESSF is to ensure continued training of a highly qualified workforce in disciplines needed to achieve NASA's scientific goals outlined above by performing research projects. Awards resulting from the competitive selection will be made in the form of training grants to the respective universities with the advisor serving as the investigator. This call for graduate fellowship proposals, entitled NASA Earth and Space Science Fellowship (NESSF) Program – 2018-2019 Academic Year, solicits applications from accredited U.S. universities on behalf of individuals pursuing Masters or Ph.D. degrees in Earth and space sciences, or related disciplines, at respective institutions. Students admitted to, or already enrolled in, a full-time Masters and/or Ph.D. program at accredited U.S. universities are eligible to apply. Students may enter the fellowship program at any time during their graduate work. Students may also apply in their senior year prior to receiving their baccalaureate degree, but must be admitted and enrolled in a Masters and/or Ph.D. program at a U.S. university at the time of the award. Visit the following link for full program, eligibility, and application requirements:

<https://nspires.nasaprs.com/external/solicitations/summary!init.do?solId=%7B0682B593-3472-F449-C368-BBB0A2C41962%7D&path=open>

Funding Opportunities for Graduate Students

Information provided on the UAH Office of Graduate Admissions web page
<https://www.uah.edu/admissions/graduate/financial-aid/fellowships>

GEMFellowship.org

GEM's principal activity is the provision of graduate fellowships at the MS and PhD levels coupled with paid summer internships . GEM also offers fellowships without paid summer internships through our GEM University and Associate Fellowship programs. The application cycle for these three programs is July 1 – November 13:

[STEM opportunities for women and minorities by onlinecollege.net.](http://onlinecollege.net)

[National Science Foundation Graduate Research Fellowship Program \(NSF GRFP\)](#)

[Department of Energy Computational Science Graduate Fellowship](#)

[National Defense Science & Engineering Graduate Fellowship](#)

[Jacob K. Javits Fellowships Program](#)

[National Institutes of Health](#)

[American Association of University Women](#)

[The Consortium for Graduate Study in Management](#)

[Ford Foundation](#)

[Fannie and John Hertz Foundation](#)

[Howard Hughes Medical Institute Predoctoral Fellowships in Biological Sciences](#)

[Microsoft Research Fellowship](#)

[The National GEM Consortium](#)

[The Paul & Daisy Soros Fellowships for New Americans](#)

[Alabama Space Grant Consortium Graduate Fellowship](#)

[IBM Ph.D. Fellowship Program](#)

[UAH Phi Kappa Phi Scholarship Application](#)