



Lewis-Burke
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**FEDERAL PROGRAMS AND
FELLOWSHIPS THAT PROVIDE
SUPPORT FOR GRADUATE
STUDENTS**

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Overview

This report contains a list of federal government research scholarship, fellowship, and internship programs that provide support for graduate students.

The federal government programs listed below are organized by the agency that runs the program. Within each agency, the programs are organized by the applying entity, e.g. whether the award is given to the institution or to individuals. For each opportunity, there is provided a program summary, eligibility requirements, size of the program, approximate size and type of award, citizenship requirements, annual due dates, and other special factors. The program websites are provided as a source for more detailed information.

For the fiscal year (FY) 2014 and FY 2015 budget requests, the Obama Administration has proposed consolidating many of the science, technology, engineering, and mathematics (STEM) programs run by the federal government, including many graduate education programs. In FY 2014, Congress protected some of the programs proposed for consolidation while allowing others to terminate as proposed by the administration. For FY 2015, program status is unclear for several programs as congressional appropriations have not yet been finalized. This document notes the status of any programs that were terminated in FY 2014 or are at risk for termination in FY 2015.

Department of Commerce

National Oceanic and Atmospheric Administration

The mission of National Oceanic and Atmospheric Administration (NOAA), a bureau of the Department of Commerce (DOC), is to understand and predict changes in Earth's environment and to conserve and manage coastal and marine resources. NOAA is organized according to line offices, including the National Weather Service, the National Ocean Service, and Office of Oceanic and Atmospheric Research, among others. The Office of Oceanic and Atmospheric Research, which is where the majority of NOAA's extramural research funding is maintained, is organized into three general research topic areas: Climate Research; Weather and Air Quality Research; and Ocean, Coastal and Great Lakes Research. The majority of NOAA research fellowship opportunities are in the ocean research area.

Individual Awards

Dr. Nancy Foster Scholarship Program

- Overview: This program provides support for independent graduate-level research in oceanography, marine biology, or maritime archaeology. Women and members of minority groups are particularly encouraged to apply.
- Eligibility: Those eligible to apply are currently pursuing or intending to pursue a full-time master's or doctoral level degree in oceanography, maritime archaeology, or marine biology. A 3.3 grade point average is required.
- Citizenship: Applicants must be U.S. citizens.
- Award/Program Size: Scholarships carry a 12-month stipend for each student of \$30,000, an annual cost-of-education allowance of up to \$12,000, as well as \$10,000 to cover the costs of a four- to six-week research collaboration at a NOAA facility. Master's students may be supported for up to two years (at a maximum of \$98,000) and doctoral students for up to four years (at a maximum of \$196,000). NOAA awards two to four scholarships each year.
- Due Date: Applications are due December 10, 2014. Note that this program was targeted for termination by the Obama Administration as part of the federal STEM consolidation. Congress restored funding to the program in FY 2014, and House and Senate versions of the FY 2015 Commerce, Justice, Science appropriations bill both would restore funding for the program in FY 2015. The final status is uncertain as appropriations have not yet been finalized.

Source: <http://fosterscholars.noaa.gov/aboutscholarship.html>, accessed November 11, 2014.

Sea Grant/NOAA Fisheries Graduate Fellowship Program

- Overview: Supported by NOAA's Fisheries Service and the National Sea Grant Office, this fellowship targets doctoral students studying either marine population dynamics or marine resource economics.
- Eligibility: Applicants must be enrolled as a Ph.D. student in a U.S. university or college to apply.
- Citizenship: There is no citizenship requirement.
- Award/Program Size: Student awards totaling \$38,500 per year per student are provided through a cooperative agreement with state Sea Grant Programs. Funds may be used toward living expenses, tuition, and travel necessary to carry out the research.
- Due Date: Applications must be submitted by a state Sea Grant program in January 2016.

Source: <http://seagrant.noaa.gov/FundingFellowships/NMFSSGFellowship.aspx>, accessed November 11, 2014.

National Institute of Standards and Technology

The National Institute of Standards and Technology (NIST), an agency of the U.S. Department of Commerce (DOC), promotes U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology. NIST is organized into four laboratories: Material Measurement, Physical Measurement, Engineering, and Information Technology. It also has a Center for Neutron Research and a Center for Nanoscale Science and Technology.

Individual Awards

Graduate Student Measurement Science and Engineering Fellowship Program

- Overview: This fellowship program provides financial assistance for doctoral students in disciplines related to NIST measurement science and engineering research. Specific fields vary by year, but in general include chemistry, computer science, electrical engineering, materials science, mathematics, mechanical engineering, and physics.. Fellows complete two summer internships at NIST laboratories. The program is run in conjunction with the National Physical Science Consortium (NPSC, <http://www.npsc.org/>).
- Eligibility: Graduate students must be pursuing a degree from an NPSC-member university (<http://www.npsc.org/Universities/universities.html>).
- Citizenship: Fellows must be U.S. citizens.
- Award/Program Size: Fellows receive a \$20,000 stipend per year and tuition waiver, and may be funded for up to six years.
- Due Date: The application process opened August 25, 2014 and ends November 30, 2014.

Source: <http://www.nist.gov/iaao/gmse.cfm>, accessed November 11, 2014.

Department of Defense

The Department of Defense (DOD) funds research that is relevant to its mission, predominately drawing from engineering, computer/information science, and physical sciences. However, DOD also provides some limited research and education opportunities in foreign languages, social sciences, and medical and life sciences.

Individual Awards

National Defense Science and Engineering Graduate Fellowship (NDSEG)

- **Overview:** This program is a competitive, portable fellowship that is awarded to students who intend to pursue graduate study in one of the 15 supported disciplines: Aeronautical and Astronautical Engineering; Biosciences; Chemical Engineering; Chemistry; Civil Engineering; Cognitive, Neural, and Behavioral Sciences; Computer and Computational Sciences; Electrical Engineering; Geosciences; Materials Science and Engineering; Mathematics; Mechanical Engineering; Naval Architecture and Ocean Engineering; Oceanography; and Physics.
- **Eligibility:** Applicants should be either enrolled in their last year of college or first two years of graduate study at the time of application.
- **Citizenship:** Applicants must be U.S. citizens or nationals.
- **Award/Program Size:** The DOD has awarded approximately 200 new fellowships each year. NDSEG Fellowships last for three years and pay for full tuition and all mandatory fees, a monthly stipend, and up to \$1,000 a year in medical insurance. The stipend increases from \$30,500 in the first year to \$31,500 in the third year.
- **Due Date:** Applications are due December 12, 2014.

Source: <http://ndseg.asee.org/>, accessed November 11, 2014.

Science Mathematics and Research for Transformation (SMART) Scholarship for Service Program

- **Overview:** This program allows students pursuing an undergraduate or graduate degree in science, technology, engineering, and mathematics (STEM) disciplines to receive a full scholarship in exchange for serving at internships at DOD facilities and working for DOD after graduation. Students pursuing degrees related to the following are encouraged to apply: Aeronautical and Astronautical Engineering; Biosciences; Chemical Engineering; Chemistry; Civil Engineering; Cognitive, Neural, and Behavioral Sciences; Computer and Computational Sciences; Electrical Engineering; Geosciences; Industrial and Systems Engineering; Information Sciences; Materials Science and Engineering; Mathematics; Mechanical Engineering; Naval Architecture and Ocean Engineering; Nuclear Engineering; Oceanography; Operations Research; and, Physics.

- Eligibility: Applicants must be enrolled in a graduate program at an academic institution or have acceptance for entrance for the fall 2015 semester.
- Citizenship: Applicants must be U.S. citizens.
- Award/Program Size: Participants receive full tuition and education related fees; cash award paid at a rate of \$25,000 to \$38,000 depending on prior educational experience; paid summer internships; health insurance reimbursement allowance up to \$1,200 per calendar year; book allowance of \$1,000 per academic year; mentoring; and employment placement after graduation. SMART awards may range from one academic term to five academic years.
- Due Date: The application period ends on December 15, 2014. Future deadlines have not been posted.
- Special Attention: Participants must be able to participate in summer internships at DOD laboratories and willing to accept post-graduate employment with the DOD. Participants must also have a minimum cumulative GPA of 3.0 on a 4.0 scale.

Source: <http://smart.asee.org/>, accessed November 11, 2014.

National Security Education Program (NSEP)

- Overview: This program supports the study of under-represented languages and areas critical to U.S. national security. The David L. Boren Graduate Fellowship is geared towards graduate students. The Fellowship provides support for overseas study and a domestic language study supplement. This program requires recipients to work for the federal government in national security for at least a year following graduation.
- Eligibility: Students must be enrolled in a graduate program at a U.S. academic institution. All applicants must demonstrate how their study programs are connected to achieving a better understanding of national security.
- Citizenship: Applicants must be U.S. citizens.
- Award/Program Size: The Boren Fellowship provides 12 weeks minimum and two years maximum (maximum one year overseas) of support. The program provides up to \$24,000 for overseas study, up to \$12,000 for domestic study, and \$30,000 for combined overseas/domestic study. Programs can begin no earlier than June 1, 2015 and no later than March 1, 2016.
- Due Date: The application for the 2015 Boren Fellowship is due January 27, 2015.

Source: <http://www.nsep.gov/content/david-l-boren-fellowships>, accessed November 11, 2014.

Department of Education

The Department of Education offers a number of discretionary grants in the areas of the enhancement of education policy, educational environments, and educator capabilities. Most of the graduate fellowship support programs are run by the Office of Post-Secondary Education, which is responsible for developing and implementing post-secondary education policy while simultaneously increasing quality and access.

Institution Awards

Graduate Assistance in Areas of National Need (GAANN)

- Overview: This program provides fellowships, through university academic departments and programs, to assist graduate students with excellent records who demonstrate financial need and plan to pursue the highest degree available in their course study at the institution. Grants are awarded to programs and institutions to sustain and enhance the capacity for teaching and research in the following areas of national need: area studies, biological sciences/life sciences, chemistry, computer and information sciences, engineering, foreign languages and literature, mathematics, nursing, physics, education evaluation/research/statistics.
- Eligibility: Academic departments and programs of institutions of higher education that provide courses of study leading to a graduate degree may apply. Fellows must be enrolled as graduate students, have financial need, and be planning a career in teaching or research. The academic program must have been in existence for at least four years.
- Citizenship: Fellows must be citizens, nationals, or permanent residents of the U.S.
- Award/Program Size: The program made 17 awards in FY 2013 averaging \$179,000 per award. The amount of a grant to an academic department may not be less than \$100,000 and may not be more than \$750,000. The duration of a grant awarded under this part is a maximum of three annual budget periods during a three-year project period. The number of fellowships awarded per institution can range from three to 10.
- Due Date: To save funding for peer review, applicants for the FY 2013 grant cycle were selected from qualified but unsuccessful candidates who had competed in FY 2012. The Department intends to also use the FY 2012 applicant pool for the FY 2014 competition. The last due date for the open competition was January 2012. A Federal Register announcement explaining the FY 2014 selection metrics can be found at: <http://www.gpo.gov/fdsys/pkg/FR-2014-06-03/pdf/2014-12842.pdf>. Future competitions have not yet been announced.
- Special Attention: An institution must provide an institutional matching contribution equal to at least 25 percent.

Source: <http://www2.ed.gov/programs/gaann/index.html>, accessed November 11, 2014.

Fulbright-Hays Doctoral Dissertation Research Abroad

- Overview: This program provides grants to colleges and universities to fund individual doctoral students who conduct research in other countries, in modern foreign languages and area studies for periods of six to 12 months.
- Eligibility: Institutions of higher education are eligible to apply. Graduate students in doctoral programs in the fields of non-Western European foreign languages and area studies must apply through the institutions in which they are enrolled. Eligible students must be planning a teaching career in the U.S. upon graduation.
- Citizenship: Students are eligible to receive a fellowship if they are citizens, nationals, or permanent residents of the U.S.
- Award/Program Size: In the FY 2014, an estimated \$2.8 million was appropriated for the program to cover approximately 86 new fellowships with an average size of \$34,818. Expenses covered by the award include: travel expenses, including excess baggage to and from the residence of the fellow to the host country of research; maintenance and dependents allowances based on the cost of living in country(ies) of research for the fellow and his or her dependent(s); project allowance for research related expenses such as books, copying, tuition and affiliation fees, local travel and other incidental expenses; health and accident insurance premiums; and \$100 administrative fee to the applicant institution.
- Due Date: The most recent application deadline was June 24, 2014.

Source: <http://www2.ed.gov/programs/iegpsddrap/index.html>, accessed November 11, 2014.

Foreign Language and Area Studies (FLAS) Fellowships Program

- Overview: This program provides academic year and summer fellowships to institutions of higher education to assist meritorious undergraduate students and graduate students undergoing training in modern foreign languages and related area or international studies.
- Eligibility: Institutions of higher education are eligible to apply. Institutions conduct competitions to select eligible undergraduate students and graduate students to receive fellowships.
- Citizenship: Students are eligible for fellowships if they are citizens, nationals, or permanent residents of the U.S.
- Award/Program Size: FLAS grants are awarded to institutions for a four-year project period. In FY 2014, the Department of Education estimates it will fund 108 awards at an average of \$250,000 per year. Fellowships include an institutional payment and a stipend for the fellow. For graduate students, the estimated 2014-2015 academic year fellowship institutional payment is \$18,000 and the estimated stipend is \$15,000. For summer fellowship the institutional payment is \$5,000 and the stipend is \$2,500.
- Due Date: The most recent application deadline was June 30, 2014.

Source: <http://www2.ed.gov/programs/iegpsflasf/index.html>, accessed November 11 2014.

Department of Energy

The Department of Energy (DOE) funds research that is relevant to its mission of advancing the national, economic, and energy security of the U.S. DOE supports research in a broad range of basic and applied sciences. It is the principal federal funding agency of research programs in high-energy physics, nuclear physics, and fusion energy sciences. It also manages fundamental research programs in basic energy sciences, biological and environmental sciences, and computational science and is the federal government's largest single provider of funds for materials and chemical sciences. Other research areas include climate change, geophysics, genomics, life sciences, nanotechnology, fossil energy, and nuclear medicine.

Individual Awards

Graduate Student Research (SCGSR) Program

- **Overview:** This program provides supplemental awards to outstanding U.S. graduate students to pursue part of their graduate thesis research at a DOE laboratory in areas that address scientific challenges central to the DOE Office of Science mission. The research opportunity is expected to advance the graduate students' overall doctoral thesis while providing access to the expertise, resources, and capabilities available at the DOE laboratories. The program is geared towards students pursuing a Ph.D. in physics, chemistry, material sciences, biology (non-medical), mathematics, engineering, computer or computational sciences, or select areas of environmental sciences.
- **Eligibility:** Applicants must be pursuing research in a priority research area, which are defined for each competition year. Applicants must be studying at an accredited college or university in the United States or its territories. At the time of application, applicants must have obtained Ph.D. candidacy at their home institution, and must have established a defined graduate thesis project and graduate thesis advisor. Applicants must demonstrate that their graduate thesis is in an area of fundamental research aligned with the DOE Office of Science Priority Research Areas identified in the most recent SCGSR solicitation.
- **Citizenship:** Applicants must be U.S. citizens at the time of application and be at least 18 years of age at the time of applying.
- **Award/Program Size:** The award period for the proposed research project at DOE laboratories may range from three months to one year. The SCGSR program provides supplemental awards to support part of a graduate student's thesis research to be conducted at a DOE laboratory. Supplemental awards are intended to cover incremental costs associated with living and travel expenses during the award period. Awardees are eligible to receive a monthly stipend in the amount of up to \$3,000 for general living expenses while at the host DOE laboratory during the award period and up to \$2,000 in travel support if the host DOE national laboratory is greater than 50 miles from their university/resident location.
- **Due Date:** The most recent application deadline was September 24, 2014. The upcoming dates have not yet been announced.

Source: <http://science.energy.gov/wdts/scgsr/>, accessed November 11, 2014

Graduate Fellowship Program

This program, which was recently discontinued, supported outstanding students to pursue graduate training in basic research in areas of physics, biology, chemistry, mathematics, engineering, computational sciences, and environmental sciences relevant to the DOE Office of Science. The program awarded 150 fellowships in 2010 and 49 in 2012.

Source: <http://science.energy.gov/wdts/scgf/>, accessed November 11, 2014.

Computational Science Graduate Fellowship (CSGF) Program

- **Overview:** This program provides opportunities to students pursuing a Ph.D. in scientific or engineering disciplines with an emphasis in high-performance computing. CSGF trains scientists to meet the nation's workforce needs and helps to create a nationwide interdisciplinary community. Fellows complete a 12 week practicum at a DOE national laboratory and follow a program of study that combines courses in a scientific or engineering discipline with courses in computer science and applied mathematics.
- **Eligibility:** College seniors or first year graduate students in the physical, engineering, computer, mathematical, or life sciences are eligible to apply.
- **Citizenship:** Applicants must be either citizens or permanent residents of the U.S.
- **Award/Program Size:** Support of this fellowship is limited to four years and must be renewed each year. The fellowship provides full tuition and required fees, a yearly stipend of \$36,000, and \$5,000 academic allowance in the first year of the fellowship and \$1,000 each renewed year thereafter.
- **Due Date:** The 2015 application deadline has yet to be set but it is anticipated to be within the first two weeks of January. Note that this program was targeted for termination by the Obama Administration as part of the federal STEM consolidation. Congress restored funding to the program in FY 2014, and the Senate version of the FY 2015 Energy and Water appropriations bill would restore funding for the program in FY 2015. The final status is uncertain as appropriations have not yet been finalized.

Source: <http://www.krellinst.org/csgf/>, accessed November 11, 2014.

Internships

DOE offers a variety of internship opportunities for students in DOE-related fields. Below is a list of internships for graduate students along with links to the specific website for more information.

- DOE Scholars Program

- <http://orise.orau.gov/doescholars/> (accessed November 11, 2014)
- Minority Educational Institution Student Partnership Program (MEISPP)
<http://doeminorityinternships.org/> (accessed November 11, 2014)
- Mickey Leland Energy Fellowship
<http://www.fossil.energy.gov/education/lelandfellowships/index.html>
(accessed November 11, 2014)

Department of Health and Human Services

National Institutes of Health

The primary function of the National Institutes of Health (NIH) is to support biomedical and health-related research. Included in this mission is research on the behavioral and social impacts of individuals and society as related to public health. Please refer to each program's corresponding link to see which of NIH's 27 Institutes and Centers (ICs), as well as which agencies within the Department of Health and Human Services (HHS), are collaborating on each program and to determine the areas of graduate study that are relevant.

Institution Awards

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant (Parent T32)

- Overview: The purpose of this program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral, and clinical research. Training activities can be in "basic biomedical or clinical sciences, in behavioral or social sciences, in health services research, or in any other discipline relevant to the NIH mission."
- Eligibility: Only domestic, non-profit, private or public institutions may apply for grants to support NRSA institutional research training programs. The applicant institution must have a strong and high quality research program in the area(s) proposed for research training and must have the requisite staff and facilities on site to conduct the proposed research training program. The training principal investigator (PI) should be an established basic, behavioral, and/or clinical researcher.
- Citizenship: The individuals to be trained must be citizens, nationals, or residents of the U.S.
- Award/Program Size: Awards may be made for periods up to five years and are renewable. The number of awards is contingent upon NIH appropriations, and the submission of a sufficient number of meritorious applications. Stipends are also provided as a subsistence allowance for trainees to help defray living expenses during the research training experience and are based on a 12-month appointment period.
- Due Date: Applications are due in three annual cycles: January 25, May 25, and September 25. Please note, applicants should check with the relevant IC since some do not accept T series applications for all three cycles.

- New Opportunity: In 2014, NIH released a separate T32 funding opportunity announcement for Predoctoral Training in Biomedical Big Data Science (<http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-14-004.html>) as well as T32 Revisions to Add Biomedical Big Data Training to Active Institutional Training Grants (<http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-14-005.html>).

Source: <http://grants.nih.gov/grants/guide/pa-files/PA-14-015.html>, accessed November 11, 2014.

Ruth L. Kirschstein National Research Service Award (NRSA) Short-Term Institutional Research Training Grant (Parent T35)

- Overview: The objective of this program is to develop or enhance research training opportunities for individuals interested in careers in biomedical, behavioral, and clinical research. The program provides short-term support for a period of at least eight, but no more than 12, weeks in a grant year for full-time training experiences under the supervision of experienced researchers. Many of the NIH ICs use this grant mechanism exclusively to support intensive, short-term research training experiences for students in health professional schools during the summer. The program may also be used to support other types of predoctoral and postdoctoral training in focused, often emerging scientific areas relevant to the mission of the NIH funding ICs.
- Eligibility: Only domestic, non-profit, private or public institutions may apply for grants to support NRSA institutional research training programs. The applicant institution must have a strong, high quality research program in the area(s) proposed for research training and must have the requisite staff and facilities on site to conduct the proposed research training program. The training PI should be an established basic, behavioral, and/or clinical researcher.
- Citizenship: The individuals to be trained must be citizens, nationals, or residents of the U.S.
- Award/Program Size: The number of awards is dependent on NIH appropriations and the number of meritorious applications received.
- Due Date: Applications are due in three annual cycles: January 25, May 25, and September 25. Please note, applicants should check with the relevant IC since some do not accept T series applications for all three cycles.

Source: <http://grants.nih.gov/grants/guide/pa-files/PA-14-016.html>, accessed November 11, 2014.

Individual Awards

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31)

- Overview: The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who will be performing dissertation research in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers (ICs).
- Eligibility: The applicant must be at the dissertation research stage of their training and must show evidence of both high academic performance in the sciences and a “commitment to a career as an independent research scientist.” Before submitting a fellowship application, the applicant must also identify a sponsoring institution. The sponsoring institution must have appropriate staff and facilities available on site to provide a suitable environment for performing high-quality research training and be demonstrably committed to research training in the particular program proposed by the applicant.
- Citizenship: Applicants must be citizens, nationals, or residents of the U.S.
- Award/Program Size: Individuals may receive “up to 5 years of aggregate Kirschstein-NRSA support at the predoctoral level including any combination of support from institutional training grants...and an individual fellowship award.”
- Due Date: Applications are due in three annual cycles: April 8, August 8, and December 8.

Source: <http://grants.nih.gov/grants/guide/pa-files/PA-14-147.html>, accessed November 11, 2014.

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research (Parent F31 - Diversity)

- Overview: The purpose of this fellowship is to improve the diversity of the health-related research workforce by supporting the training of predoctoral students from groups that have been shown to be underrepresented in the biomedical sciences. The award will provide support for promising doctoral candidates who will be performing dissertation research and training in scientific health-related fields relevant to the missions of the participating IC.
- Eligibility: For the purpose of this announcement, institutions are encouraged to identify fellowship applicants who will increase diversity on a national or institutional basis. NIH is particularly interested in encouraging the recruitment and retention of the following classes of candidates: individuals from racial and ethnic groups that are underrepresented in health-related sciences, individuals with disabilities, and individuals from disadvantaged backgrounds.
- Citizenship: Applicants must be citizens, nationals, or residents of the U.S.
- Award/Program Size: The size and duration of awards vary. Individuals may receive “up to 5 years of aggregate Kirschstein-NRSA support at the predoctoral level including any

combination of support from institutional training grants...and an individual fellowship award.”

- Due Date: Applications are due in three annual cycles: April 13, August 13, and December 13.

Source: <http://grants.nih.gov/grants/guide/pa-files/PA-14-148.html>, accessed November 11, 2014.

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral MD/PhD and Other Dual-Doctoral Degree Fellowship (Parent F30)

- Overview: The purpose of this award is to provide support to individuals for combined MD/PhD and other dual-doctoral degree training. This funding opportunity supports individual predoctoral F30 fellowships with the expectation that these training opportunities will increase the number of future investigators with both clinical knowledge and skills in basic, translational, or clinical research.
- Eligibility: The participating NIH ICs award this fellowship to qualified applicants with the potential to become productive, independent, highly trained physician-scientists and other clinician-scientists, including patient-oriented researchers in their scientific mission areas. An applicant must have a baccalaureate degree and show evidence of both high academic performance in the sciences and commitment to a career as an independent scientist.
- Citizenship: Applicants must be citizens, nationals, or residents of the U.S.
- Award/Program Size: The size and duration of awards vary. The total amount awarded and the number of awards will depend upon NIH appropriations and the number of meritorious applications.
- Due Date: Applications are due in three annual cycles: April 8, August 8, and December 8.

Source: <http://grants.nih.gov/grants/guide/pa-files/PA-14-150.html>, accessed October 1, 2014.

Fulbright-Fogarty Fellows in Public Health

- Overview: NIH’s Fogarty International Center partners with the Fulbright Program in supporting medical or graduate student fellows to promote the expansion of public health research in resource-limited settings.
- Eligibility: Medical or graduate students may apply. Eligibility requirements vary by country, and each applicant can apply to only one country.
- Citizenship: Applicants must be U.S. citizens.
- Award/Program Size: The size and number of awards granted vary.
- Due Date: For the current announcement, applications were due October 14, 2014.

Source: <http://www.fic.nih.gov/Programs/Pages/fulbright-fellowships.aspx>, accessed November 11, 2014.

Centers for Disease Control and Prevention

The mission of the CDC is to protect and improve public health through information that enhances health decision-making and partnerships with state health departments and other organizations. The CDC focuses on developing and applying disease prevention and control policies, especially in infectious diseases, environmental health, occupational safety and health, health promotion, prevention and education activities.

Individual Awards

Emerging Infectious Disease (EID) Fellowship Programs

- Overview: There are two EID fellowship programs: the EID Advanced Laboratory Training Fellowship is a one-year program for bachelor and masters level scientists, “with emphasis on the practical application of technologies, methodologies, and practices related to emerging infectious diseases.” The EID Laboratory Research Fellowship is a two-year program for doctoral level (Ph.D., MD or DVM) scientists “to conduct high-priority research in infectious diseases.”
- Eligibility: Applicants must be enrolled in bachelor’s, master’s or doctoral program at an accredited university. Research or areas of training of the applicants include: “development and evaluation of diagnostic techniques, antimicrobial sensitivity and resistance, principles and practices of vector or animal control, emerging pathogens and laboratory-epidemiology interaction.”
- Citizenship: Applicants must be U.S. citizens.
- Award/Program Size: Fellows are placed in local, state, or federal (CDC) public health laboratories throughout the U.S. Fellows are provided with a stipend, medical insurance, travel to the host laboratory, and a professional development allowance.
- Due Date: The last due date was February 7, 2014. The program is not holding a competition for the 2015-2016 academic year. Updates on a possible 2016 competition will be provided in fall 2015.
- Special Attention: Applicants must be able to start at the host laboratory as well as participate in the orientation session at CDC in Atlanta following the program timeline. (<http://www.aphl.org/mycareer/fellowships/eid/Pages/EIDLaboratoryFellowshipsTimeline.aspx>)

Source: <http://www.aphl.org/mycareer/fellowships/eid/pages/default.aspx>, accessed November 11, 2014.

Internships

CDC offers a variety of internship opportunities for students in CDC-related fields. Below is a list of internships for graduate students along with links to the specific website for more information.

- Dr. James A. Ferguson Emerging Infectious Diseases Fellowship Program
<http://www.kennedykrieger.org/professional-training/professional-training-programs/rise-programs/ferguson-fellowship> (accessed November 11, 2014)
- Bioinformatics in Public Health Fellowship Program
<http://www.aphl.org/mycareer/fellowships/bioinformatics/pages/default.aspx> (accessed November 11, 2014)
- Environmental Health Traineeship and Fellowship Programs
<http://www.aphl.org/mycareer/fellowships/environmental-health/pages/default.aspx> (accessed November 11, 2014)

Agency for Healthcare Research and Quality

The Agency for Healthcare Research and Quality (AHRQ), within the Department of Health and Human Services (HHS), works to improve the quality, safety, efficiency, and effectiveness of healthcare. The research sponsored and conducted by AHRQ addresses issues of organization, delivery, financing, utilization, patient and provider behavior, outcomes, effectiveness, and cost. These scientific results improve the evidence base to enable better decisions about health care, including in such areas as disease prevention, appropriate use of medical technologies, improving diagnosis and treatment in cost-effective ways, long-term care, and reducing racial and ethnic disparities.

Individual Awards

Health Services Research Dissertation Program

- Overview: This program provides support to individuals who are conducting research undertaken as part of an academic program to qualify for a doctorate degree relating to healthcare quality. Research applications must address one of these areas: (1) Safety/quality – Reduce the risk of harm from health care services by promoting the delivery of appropriate care that achieves the best quality outcomes; (2) Efficiency – Achieve wider access to effective health care services and reduce health care costs; (3) Effectiveness – Assure that providers and consumers/patients use beneficial and timely health care information to make informed decision choices.
- Eligibility: Eligible applicants must be enrolled in a doctoral program in such fields as the social or behavioral sciences, health services research, social sciences, epidemiology, biostatistics, health policy, and health informatics. Applicants must have completed all non-dissertation requirements for their doctoral degree by the time of submission of the application.

- Citizenship: Applicants must be U.S. citizens, non-citizen nationals, or permanent residents.
- Award/Program Size: Total award size and number of awards depends on the number of applications that AHRQ receives. The total direct cost awarded must not exceed \$40,000 for the entire project period. Project periods must be a minimum of nine months but may not exceed 17 months.
- Due Date: Applications are due annually February 1, May 1, August 1, and November 1.

Source: <http://grants.nih.gov/grants/guide/pa-files/PA-12-256.html>, accessed November 11, 2014.

Health Resources and Services Administration

The Health Resources and Services Administration (HRSA), an agency of the Department of Health and Human Services (HHS), is the primary federal agency for improving access to health care services for people who are uninsured, isolated or medically vulnerable. The Bureau of Health Professions within HRSA increases access to health care by developing, distributing and retaining a diverse, culturally competent health workforce.

HRSA offers a variety of health professions training grants, often administered through institutions, including colleges and universities. The training grants are designated for specific professions by category, which is accessible via <http://bhpr.hrsa.gov/grants/index.html>. Below are grants exemplary of HRSA's multidisciplinary and broad eligibility grants.

Institution Awards

Scholarships for Disadvantaged Students

- Overview: This program promotes diversity among health professions students by providing scholarships for students from disadvantaged backgrounds. Health professions and nursing schools apply for funds to make scholarships to students from disadvantaged backgrounds, which have financial need for scholarships and are enrolled, or accepted for enrollment, as full-time students at the schools.
- Eligibility: Eligible applicants are accredited schools of medicine, osteopathic medicine, dentistry, nursing, pharmacy, podiatric medicine, optometry, veterinary medicine, public health, chiropractic, allied health, a school offering a graduate program in behavioral and mental health practice, or an entity providing programs for the training of physician assistants. To be eligible, applicants must also be carrying out a program to recruit and retain students from disadvantaged backgrounds, including students who are members of racial and ethnic minority groups. Applicants must demonstrate that the program has achieved success based on the percentage of disadvantaged students who are enrolled and have graduated from the school.
- Citizenship: Students receiving scholarships must be US citizens, nationals, or permanent residents.

- Award/Program Size: Awards can be used for partial or full scholarships at the institution's discretion, although full scholarships are encouraged. The estimated total amount for the last competition was \$45 million with approximately 400 awards being given out.
- Due Date: The most recent application deadline was June 22, 2012. It is not clear whether or when HRSA will compete new institution awards.

Source: <http://www.hrsa.gov/loanscholarships/scholarships/disadvantaged.html> and <https://grants3.hrsa.gov/2010/Web2External/Interface/FundingCycle/ExternalView.aspx?&fCycleID=81FC3CE3-057B-43FC-8A8B-A6BF8C49073E&txtAction=View+Details&submitAction=Go&ViewMode=EU>, accessed November 12, 2014.

Mental and Behavioral Health Education and Training Grant

- Overview: This program, which was first competed in 2012, aims to strengthen the clinical field competencies of social workers and psychologists who pursue clinical service with high need and high demand populations. In 2014, the program held a competition in partnership with the Substance Abuse and Mental Health Services Administration (SAMHSA) for "Behavioral Health Workforce Education and Training for Professionals." The 2014 competition specifically focused on expanding the behavioral health workforce, "serving children, adolescents, and transitional-age youth at risk for developing or who have developed a recognized behavioral health disorder." The shift in focus was in support of the Administration's *Now is the Time* initiative. The program provides funding to support clinical internships and field placements.
- Eligibility: Eligible applicants are accredited schools and programs of social work, health services psychology, marriage and family therapy, psychiatric mental health nurse practitioner, professional counseling, clinical psychology, and counseling psychology.
- Award/Program Size: The estimated total amount for the FY 2014 competition is \$26.7 million. Individual awards are up to \$480,000 per year, and HRSA expects to make 60-130 awards.
- Due Date: The application deadline for the Behavioral Health Workforce Education and Training program was June 3, 2014. Future competitions have not yet been announced.

Source: <http://www.grants.gov/view-opportunity.html?oppld=253408> and <http://bhpr.hrsa.gov/grants/mentalbehavioral/mbhet.html>, accessed November 11, 2014.

Health Careers Opportunity Program (HCOP)

- Overview: The HCOP program provides students from disadvantaged backgrounds an opportunity to develop the skills needed to successfully compete, enter and graduate from health professions schools.
- Eligibility: Eligible applicants are accredited schools of medicine, osteopathic medicine, dentistry, nursing, pharmacy, podiatric medicine, optometry, veterinary medicine, public

health, chiropractic, allied health, a school offering a graduate program in behavioral and mental health practice, or an entity providing programs for the training of physician assistants.

- Award/Program Size: The estimated amount of the FY 2015 competition is \$13.4 million. Approximately 22 awards will be made.
- Due Date: HRSA estimates releasing the FY 2015 solicitation around March 16, 2015. Applications will likely be due May 15, 2015. Note that this program was targeted for termination by the Obama Administration as part of the federal STEM consolidation. Congress restored funding to the program in FY 2014, but the draft Senate FY 2015 Labor, Health and Human Services, Education appropriations bill would not provide funding for FY 2015. The House has not released a draft Labor, Health and Human Services, Education appropriations bill and the final status of the program is uncertain as appropriations have not yet been finalized.
- Special Attention: A funding preference will be given to approved applications for programs that involve a comprehensive approach by several public or nonprofit private health or educational programs that will result in the development of a competitive applicant pool of individuals from disadvantaged backgrounds who desire to pursue health professions careers.

Source:

http://www.acf.hhs.gov/hhsgrantsforecast/index.cfm?switch=grant.view&gff_grants_forecast!nfoID=71159, accessed November 12, 2014.

Substance Abuse and Mental Health Services Administration

The Substance Abuse and Mental Health Services Administration (SAMHSA), within the Department of Health and Human Services (HHS), is the implementation arm for social and behavioral intervention and prevention strategies in public health. While much of SAMHSA's discretionary funds go to state and local governments or to support the health workforce, opportunities to implement SAMHSA initiatives for which nonprofit entities (such as universities) are eligible are occasionally offered.

Individual Awards

Minority Fellowship Program

- Overview: The goal of this program is to increase the pool of professionals qualified to provide leadership, consultation, training, and administration to government, public and private organizations that develop and implement programs for under-served ethnic minority persons with mental and/or substance abuse disorders. This program provides grants to encourage and facilitate the doctoral and post-doctoral development of minority nurses, psychiatrists, psychologists, and social workers. The program is managed by five associations: American Nurses Association (ANA), American Psychiatric Association (ApA), Council on Social Work Education (CSWE), American Psychological

Association (APA), and American Association for Marriage and Family Therapy (AAMFT). In order to receive an award, students must apply through one of the aforementioned associations. Overall, the program distributed approximately \$5 million in fiscal year (FY) 2014. However, the program may see a doubling under the FY 2015 budget with a new program to expand the focus to increase the number of counseling professionals who provide clinical services for at-risk, underserved children, adolescents, and individuals transitioning to adulthood.

- AAMFT—The program is open to all full-time doctoral students in marriage and family therapy doctoral programs that demonstrate a strong commitment to a career in ethnic minority mental health and substance abuse services. This fellowship is aimed at Marriage and Family Therapy doctoral students specializing in providing substance abuse and mental health services to minority and underserved populations. African American, Alaskan Native, American Indian, Asian American, Hispanic/Latino, Native Hawaiian, and Pacific Islander students are especially encouraged to apply.
- ANA — Applicants must be a member of an ethnic or racial minority group: Asian or Asian American, Black or African American, Hispanic, or Latino, American Indian or Alaska Native, and Native Hawaiian or other Pacific Islander. Applicants must be a registered nurse and have a master’s degree in psychiatric or mental health nursing or a related field and pursuing a doctoral degree in their field. Applicants must be an ANA member and able to demonstrate a commitment to a research career in nursing and substance abuse and/or psychiatric or mental health issues affecting minority populations. Preferably, the fellowship guidelines recommend that all applicants should have completed one year of graduate studies prior to applying to the MFP.
- ApA — Applicants must be psychiatry residents-in-training and remain in training during the entire academic year. Applicants must be ApA members. All applicants are welcome to apply regardless of race or ethnicity but must demonstrate their commitment to serve ethnic minority populations.
- APA — Applicants must demonstrate a strong commitment to a career in ethnic minority mental health and substance abuse services. Applicants should be enrolled full-time in an APA-accredited doctoral program. African American, Alaskan Native, American Indian, Asian American, Hispanic/Latino, Native Hawaiian, and Pacific Islander students are especially encouraged to apply.
- CSWE — Applicants must have a master’s degree in social work and be starting full-time study leading to a doctoral degree in social work or be currently enrolled as full-time students in a doctoral social work program. All applicants are welcome to apply regardless of race or ethnicity but must demonstrate a commitment to a career providing mental health and substance abuse services to ethnic, racial, social, and cultural minorities.
- NBCC — This program is intended to support doctoral students in counseling from diverse backgrounds with the intention of producing a workforce which is committed to addressing issues in underserved populations such as mental health as well as substance abuse and addiction therapy. African Americans,

Alaska Natives, American Indians, Asian Americans, Hispanics/Latinos, Native Hawaiians and Pacific Islanders are especially encouraged to apply.

- Citizenship: Applicants must be U.S. citizens or permanent residents.
- Award/Program Size:
 - AAMFT — Fellows receive \$20,000 per year for a maximum of three years and must be renewed annually.
 - ANA — Fellowships are renewed on an annual basis. The Fellowship is usually awarded for 10 to 12 months. A fellow who wishes to receive continual awards for the maximum five years must complete a progress report each year. Renewals are not automatic. The annual stipend amounts vary from year to year depending on federal allocations to the MFP.
 - ApA — Fellows receive monthly stipends and serve for one year with an opportunity to apply for an additional year. The annual stipend amounts vary from year to year depending on federal allocations to the MFP.
 - APA — Fellows receive financial support for a maximum of three year and must be renewed annually. There is limited availability for dissertation support.
 - CSWE — Fellows receive monthly stipends for a one year period to defray living expenses; some tuition support may be provided depending on the availability of funds. The duration of the award is three years contingent upon funding and the fellow maintaining satisfactory progress towards degree objectives.
 - NBCC — Fellows receive up to \$20,000 a year.
- Due Dates:
 - AAMFT — Applications are due in March annually.
 - ANA — Application are due March 1 annually.
 - ApA — Applications are due January 30 annually.
 - APA — Applications are due in January annually.
 - CSWE — Applications are due February or March annually.
 - NBCC — Applications are due November 15.

Source: <http://media.samhsa.gov/minorityfellowship/Default.aspx> accessed November 12, 2014.

Department of Homeland Security

The Science and Technology (S&T) Directorate is the primary research and development arm of the Department of Homeland Security (DHS). The Directorate has three portfolios that address basic research through advanced technology development and transition - spanning five primary divisions that address critical homeland security needs: Borders and Maritime Security; Chemical and Biological Defense; Cyber Security; Explosives; and Resilient Systems.

Individual Awards

Nuclear Forensics Graduate Fellowship Program (NFGFP)

- **Overview:** This program is intended to support doctoral students pursuing a degree in nuclear, geochemical, and other nuclear forensics related disciplines. NFGFP aims to develop the next generation of nuclear forensic scientists to meet the needs of the U.S. Government, and create a viable student career path in nuclear forensics. The program is a 12-month appointment, which is renewable for up to a total of 5 years. Fellows participate in two 10-week hands-on laboratory practicums at an agency conducting research related to nuclear forensics, such as the Department of Defense or Department of Energy laboratories.
- **Eligibility:** Graduate students with undergraduate degrees in physical science, life science, or engineering are eligible to apply. They must be pursuing a specialty closely related to technical nuclear forensics, including but not limited to: radiochemistry, geochemistry, nuclear physics, nuclear engineering, materials science, and analytical chemistry. Students can apply as undergraduates if they will be entering graduate school by the start of the award period.
- **Citizenship:** Applicants must be U.S. citizens.
- **Award/Program Size:** The award includes tuition and a monthly stipend of \$2,400. While on a practicum assignment, fellows' monthly stipend increases by \$500 (prorated).
- **Due Date:** Applications for the 2015-2016 academic year are due February 2, 2015.

Source: <http://www.dhs.gov/nuclear-forensics-graduate-fellowship-program-nfgfp>, accessed November 12, 2014

Department of State

The Department of State supports a limited number of international social science and exchange programs each year. Many of these grants focus on international public policy, governance, and/or human rights. A limited number of these programs are open to or targeted at graduate students. Further, recent budget constraints have driven a consolidation of programs and left the Fulbright Program as the primary option for graduate students seeking fellowship funding through the Department.

Individual Awards

Fulbright Grants for Graduate Study and Research Abroad (part of the Fulbright U.S. Student Program)

- **Overview:** This program is an international educational exchange program designed to increase mutual understanding between Americans and people in other countries. The program provides participants, chosen for their academic merit and leadership potential, with the opportunity to study, teach, conduct research, exchange ideas, and contribute to finding solutions to shared international concerns. Fulbright projects span every major discipline, and recipients carry out a wide variety of unique projects and activities while on their grant.
- **Eligibility:** The Fulbright U.S. Student Program offers fellowships for U.S. graduate students to study, conduct research, and/or teach English abroad. The Fulbright Foreign Student Program offers opportunities for foreign graduate students to study, conduct research, and/or teach their native language in the U.S.
- **Citizenship:** U.S. applicants (U.S. citizens) apply either through their university or college or at-large to the cooperating agency responsible for the program in which they are interested. Non-U.S. applicants (non-U.S. citizens) apply to either the Fulbright Commission in their country of citizenship or the U.S. Embassy in their country of citizenship (in countries where there is not a Fulbright Commission).
- **Award/Program Size:** The Fulbright Program awards approximately 8,000 new grants annually. In FY 2014, the congressional appropriation was \$237.4 million. Foreign governments contributed an additional \$85.2 million in FY 2010 in direct and in-kind support.
- **Due Date:** Applications for the 2015-2016 academic year were due October 14, 2014.

Source: <http://eca.state.gov/fulbright/fulbright-programs/program-summaries/student-program> accessed November 12, 2014.

Environmental Protection Agency

Science guides the regulatory decision-making of the Environmental Protection Agency (EPA). Utilizing intramural EPA laboratories as well as the extramural research community, the EPA Office of Research and Development (ORD) conducts research on topics such as air and water quality, ecosystem assessment and restoration, climate change, impacts to human health, and pollution prevention. ORD is the research arm of EPA.

EPA has limited extramural opportunities for university researchers given that EPA, like a number of other agencies, utilizes its own labs and federal experts.

Individual Awards

Science to Achieve Results (STAR) Fellowships for Graduate Environmental Study

- **Overview:** This program supports master's and doctoral candidates in environmental studies. Students can pursue degrees either in traditional environmental disciplines or in other fields such as social anthropology, urban and regional planning, and decision sciences.
- **Eligibility:** Applicants must be pursuing a master's or doctoral degree in an environmental field of specialization at a fully accredited U.S. college or university.
- **Citizenship:** Applicants must be either U.S. citizens or permanent residents.
- **Award/Program Size:** EPA selects about 100 fellows each year. The term of a graduate fellowship is negotiated with students and customarily covers a period of nine to 12 months for each fellowship. The funding supports full-time 2-year master's or 3-year doctoral degree students, and provides up to \$42,000 per year; \$25,000 per year for a monthly stipend, \$12,000 per year in tuition and fees, and \$5,000 for other authorized expenses.
- **Due Date:** Applications are typically released in August with a November due date. To date, no information has been posted for a FY 2015 competition. Note that this program was targeted for termination by the Obama Administration as part of the federal STEM consolidation. Congress restored funding to the program in FY 2014, and the Senate draft version of the FY 2015 Interior and Environment appropriations bill would restore funding for the program in FY 2015. The final status is uncertain as appropriations have not yet been finalized.
- **Special Attention:** Applicants who are in a graduate program and have completed more than one year in their current master's program or have completed more than four years in their current doctoral program are *not* eligible.

Source: <http://www.epa.gov/ncer/fellow/>, accessed November 12, 2014.

National Aeronautics and Space Administration

The National Aeronautics and Space Administration (NASA) conducts space exploration work in five principal categories: Science, Aeronautics, Space Technology, Exploration, and Operations. The Science Mission Directorate explores the Earth, Sun, planets, and the universe. The Aeronautics Research Mission Directorate designs and tests new flight technologies that bolster exploration and lead to improved flight capabilities on Earth. The Human Exploration and Operations Mission Directorate concentrates on the International Space Station and developing new methods for human exploration in space. The Space Technology Mission Directorate invests in potentially game-changing technology with applications across NASA mission directorates. In education, NASA activities include support for scientific training in fields relevant to NASA's mission as well as general outreach using space to inspire interest in technical issues and careers.

Individual Awards

NASA Space Technology Research Fellowships (NSTRF)

- **Overview:** The NASA Space Technology Research Fellowships (NSTRF) supports graduate student researchers who demonstrate significant potential to contribute to NASA's goal of creating innovative new space technologies for the Nation's scientific, exploration, and economic future. Selected candidates will have the opportunity to perform research at their resident campuses, NASA centers, and/or at nonprofit U.S. Research and Development (R&D) facilities.
- **Eligibility:** Students must be pursuing a master's or doctoral degree relevant to the field of space technology (only technical degrees will be selected, not those that are policy-focused). Entering Master's or Doctoral students, and Doctoral students already holding a Master's degree, must have completed one year or less toward earning the degree. Continuing Doctoral students must have completed less than three years of work toward the degree.
- **Citizenship:** Applicants must be U.S. citizens, nationals, or permanent residents.
- **Award/Program Size:** The 12-month award provides a maximum student stipend of \$36,000 in addition to allowances for health insurance, tuition and fees, on-site NASA center experience, and faculty advisers. The maximum annual amount of an award is \$74,000. Awards may be renewed for up to one year of additional support for Master's students, and up to three additional years for Doctoral students. 54 awards were made in 2014.
- **Due Dates:** Applications for 2015 fellowships are due November 13, 2014.

Source: http://www.nasa.gov/directorates/spacetech/strg/archives_nstrf.html#.VFJ-BPnF8qN and <http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solid=%7bDC8136AA-D575-B60D-88EE-0FB3ABF6C16A%7d&path=open>, accessed November 12, 2014.

NASA Earth and Space Science Fellowship (NESSF) Program

- **Overview:** The purpose of the NESSF is to ensure the continued development of a highly qualified workforce capable of contributing to NASA's efforts to advance scientific understanding of the Earth, the Sun, the evolution of the solar system, and the conditions necessary to nurture life in the universe. Awards will consist of training grants to the respective universities with the advisor acting as principal investigator.
- **Eligibility:** Only students pursuing Master's or Doctoral degrees in Earth or space sciences, or related disciplines, will be considered. Students may apply at any point in their degree program. Students pursuing a Baccalaureate may also apply, provided that they are already enrolled in a Master's or Doctoral degree program at the time of the award. An individual accepting this award may not simultaneously be receiving an award for any other Federal fellowship or traineeship.
- **Citizenship:** NESSF is open to all students enrolled at any U.S. university, though U.S. citizens or permanent U.S. residents will be given preference.
- **Award/Program Size:** The maximum amount for an NESSF award is \$30,000 per year, with \$24,000 covering the student stipend. An additional \$6,000 is available to defray costs of fees, travel, conferences, books, supplies, health insurance, and/or other allowances. NESSF awards are made initially for one year, but can be extended for up to two more years depending upon the level of progress.
- **Due Dates:** Proposals for the next competition round are due on February 2, 2015.

Source:

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={B6CDCEA6-8EDD-A48A-FAF8-E588F66661C3}&path=open>, accessed November 12, 2014

National Space Grant College and Fellowship Program

- **Overview:** The National Space Grant College and Fellowship Program (Space Grant) is a national network of colleges and universities, which includes over 850 affiliates from universities, colleges, industry, museums, science centers, and state and local agencies. These affiliates belong to one of 52 consortia in all 50 states, the District of Columbia and the Commonwealth of Puerto Rico. Each of the 52 consortia funds fellowships and scholarships for students pursuing careers in STEM, as well as curriculum enhancement and faculty development. A goal of the program is to recruit and train U.S. citizens (especially women, underrepresented minorities, and persons with disabilities) for careers in aerospace science and technology. Consortia are required to provide a specific target percentage for participation of female and underrepresented minority students in fellowship and scholarship programs.
- **Eligibility:** Graduate students from a variety of STEM disciplines are eligible for fellowships which enable them either to initiate or to continue research in their own fields and complete their studies. Eligibility details vary from institution to institution.
- **Citizenship:** Applicants must be U.S. citizens.

- Award/Program Size: The size and duration of the fellowship awards vary at each institution.
- Due Dates: Due dates vary at each institution.

Sources:

http://www.nasa.gov/offices/education/programs/national/spacegrant/home/Space_Grant_Coalition_Websites.html, accessed November 12, 2014.

Harriett G. Jenkins Graduate Fellowship Program (JGFP)

- Overview: The JGFP seeks to support the development of the future STEM workforce through the increased number of graduate degrees awarded to underrepresented and underserved persons (women, minorities and persons with disabilities) in STEM disciplines. The goal is to address the agency's mission-specific workforce needs and target areas of national need in minority STEM representation. The competitive mini research award program provides ten weeks of hands-on research experience at either a NASA center or the Jet Propulsion Laboratory.
- Eligibility: Recipients of this award must be within the first three years of a graduate program or in the process of applying to an accredited STEM graduate program. Applicants must be from an underrepresented group, including women, ethnic minorities, and persons with disabilities.
- Citizenship: Applicants must be U.S. citizens or nationals.
- Award/Program Size: Up to 20 fellows are selected annually. Annual stipends for students pursuing doctoral degrees are \$24,000 and for master's level fellows are \$18,000. Fellows also receive a tuition offset of \$8,500 per year.
- Due Dates: Application information should be available on November 1, 2014. Other dates have not yet been as the full solicitation has not yet been issued.

Sources:

https://intern.nasa.gov/ossi/web/public/main/index.cfm?solarAction=view&subAction=content&contentCode=HOME_PAGE_FELLOWSHIPS and

<https://www.bc.edu/offices/ufel/fellowships/graduates/jenkins.html>, accessed November 12, 2014.

Graduate Student Researchers Project (GSRP)

The most up-to-date information for the GSRP could not be located. This is likely due to the fact that NASA is transitioning all the information on its fellowships, scholarships, and internships to its new "One-Stop Shopping Initiative" (OSSI) website. The information below comes from sources which are no longer active, and so its validity cannot be verified.

- Overview: This program awards fellowships for graduate study leading to master's or doctoral degrees. The awards cover research at the fellow's home institution plus an

additional research internship at one of the nine NASA centers or the Jet Propulsion Laboratory. NASA updates research topics annually to complement its mission requirements. Research areas are in disciplines that lead to aeronautics and space careers.

- Eligibility: Students must be pursuing a degree related to NASA research and development, in the fields of science, technology, engineering, or mathematics (STEM).
- Citizenship: Applicants must be U.S. citizens.
- Award/Program Size: This 12-month award may be renewed annually, for a maximum of three years. The 2012 program only accepted renewal applications.
- Due Dates: Applications were previously due in February. Future due dates have not yet been announced.
- Additional Information: This program includes a required internship at the NASA center affiliated with the NASA-sponsored research.

Internships

NASA offers a variety of internship opportunities for students in NASA-related fields. Information on currently available opportunities can be found at <https://intern.nasa.gov/ossi/web/public/main/>. The site is searchable by discipline, time frame, and education level.

National Science Foundation

The National Science Foundation (NSF) funds basic research in all areas of science and engineering. This includes research on social, behavioral, and economic sciences as well as science, technology, engineering, and mathematics (STEM) education.

Institution Awards

National Science Foundation Research Traineeship Program (NRT)

- Overview: This program replaces the longstanding Integrative Graduate Research Traineeships program (IGERT). The objective of NRT is to innovate interdisciplinary, transformative models for STEM graduate education in order to prepare the scientists and engineers of the future. NRT is intended to build on IGERT but additionally includes “training for multiple career pathways, rotating priority research themes, inclusion of both master’s and doctoral students, a broader definition of trainees, and greater budgetary and programmatic flexibility”. Unlike IGERT, the new NRT program has specific research themes that will rotate every two to three years, with the initial focus on Data Enabled-Science and Engineering (DESE). Proposals are also invited from other interdisciplinary themes as long as they connect to national research priorities and “have high potential for development of innovative practices in graduate education.”
- Eligibility: Projects may involve more than one institution, but a single institution must accept overall management responsibility. The lead institution must independently grant

Ph.D. degrees in at least one of the science, technology, engineering and mathematics (STEM) fields supported by NSF in order to be eligible.

- Citizenship: All stipend recipients must be U.S. citizens or permanent residents.
- Award/Program Size: Proposed budget can be up to \$3,000,000 total for up to five years. The NSF contribution to graduate student stipends is currently \$32,000 per year per NRT trainee for a 12-month appointment. NRT Trainees cannot be charged tuition or any other educational costs while receiving the NRT stipend. NSF requested \$58 million for the NRT program in FY 2015, which includes \$20 million for continuing IGERT commitments.
- Due Date: Optional letters of Intent were due May 20, 2014, and Full Proposals were due June 24, 2014.
- Special Attention: For the current competition there was a limit of two proposals per institution either as a single institution or as a lead institution in a multi-institution preliminary proposal. If two proposals were submitted, one had to be Data-Enabled Science and Engineering (DESE) themed. If one was submitted, it could be DESE or another theme.

Source: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505015, accessed November 12, 2014.

CyberCorps(R): Scholarship for Service (SFS)

- Overview: This program seeks to increase the number of qualified students entering the field of cybersecurity and to increase the capacity of the U.S. higher education enterprise to continue to produce professionals in that field. The SFS program is composed of two tracks, The Scholarship Track and the Capacity Building Track. The *Scholarship Track* provides funding to colleges and universities to award scholarships to students in the cybersecurity field. The *Capacity Building Track* provides funds to colleges and universities to improve the quality and increase the production of cybersecurity professionals.
- Eligibility: For the Scholarship Track, the proposing organization must provide documented evidence that they have a strong existing cyber security program. This documentation can include accreditation as a National Security Agency or Department of Homeland Security Center of Academic Excellence in Information Assurance Education (CAE/IAE or CAE-R) or equivalent documentation of a strong cybersecurity program. Scholarship recipients must be full-time students within two years of graduation and in a formal program that is focused on computer security or information assurance at an awardee institution, full-time students within three years of graduation with both the bachelor's and the master's degree, students participating in a combined bachelor's and master's degree ("five year") program, or research based doctoral students within three years of graduation. Scholarship recipients must also meet the selection criteria for Federal employment.
- Citizenship: Scholarship recipients must be U.S. citizens.
- Award/Program Size: The SFS Scholarship Track supports a university- or college-based scholarship program that supports two to three years of tuition, room and board allowance, and a stipend for students in the general area cybersecurity. The scholarships provide academic year stipends of \$20,000 per year for undergraduate students and \$32,000 per

year for graduate students. In addition, SFS scholarships cover expenses normally incurred by full-time students in the institution, including tuition and education related fees (does not include items such as meal plans, housing, or parking); a health insurance reimbursement allowance up to \$2,000 per year; a professional development allowance (travel, professional certification etc.) of \$3,000 and a book allowance of \$1,000 per academic year. There are an estimated number of ten to fifteen Scholarship Track awards and ten to fifteen Capacity Building Track awards. Scholarship awards are usually funded as continuing grants over a five-year period.

- Due Date: Applications for Scholarship awards Track were due between October 9, 2014 and October 21, 2014. Applications for Capacity Building Track awards are due between November 1, 2014 and November 14, 2014.

Source: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14586&org=NSF, accessed November 12, 2014.

International Research Experience for Students (IRES)

- Overview: This program supports groups of U.S. undergraduate or graduate students conducting research abroad in collaboration with foreign investigators.
- Eligibility: Proposals must be submitted by a U.S. institution, organization, or professional society.
- Citizenship: Recipients must be U.S. citizens or permanent residents.
- Award/Program Size: Awards may be up to \$250,000 over three years. NSF expects to make twelve awards in fiscal year (FY) 2015 for total FY 2015 funding of approximately \$2.25 million.
- Due Dates: Proposals are due the third Tuesday in August.

Source: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12831, accessed November 12, 2014.

Individual Awards

Graduate Research Fellowship Program (GRFP)

- Overview: This program provides support for students in the early stages of their graduate or doctoral studies in science and engineering. GRFP is NSF's premier program for support of graduate students.
- Eligibility: Fellowships are awarded for graduate study leading to research-based master's or doctoral degrees in all fields supported by NSF, including in science, social science, engineering, mathematics, as well as STEM education. Applicants are eligible to apply during their senior year of college, prior to entering graduate school, during their first year of graduate school, or during the fall term of their second year of graduate school. Applicants must be enrolled at a US-based institution for their graduate study.

- Citizenship: Applicants must be U.S. citizens, nationals, or permanent residents.
- Award/Program Size: NSF expects to award 2,000 new fellowships in fiscal year 2015. Fellowships provide three years of support. For each year of support, NSF provides a stipend of up to \$32,000 to the Fellow and a cost-of-education allowance of \$12,000 to the degree-granting institution. NSF has proposed increasing stipend support to \$34,000 in the FY 2015 budget request.
- Due Dates: Applications are typically due between late October and early November each year, with the exact date dependant on the field in which the student is applying.

Source: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6201, accessed November 12, 2014.

Graduate Research Internship Program (GRIP)

- Overview: The GRIP program is a new program that provides supplemental funding to Graduate Research Fellows to conduct collaborative research with select federal agencies. Fellows will participate in internships with a host research mentor at national laboratories and facilities. Currently participating agencies include the Office of Naval Research, the Smithsonian Institution, and the Department of Homeland Security. NSF expects the number of agencies participating will continue to grow going forward.
- Eligibility: NSF Graduate Research Fellows, within their five year term, are eligible to apply. Fellows can either be “on tenure” or “on reserve” to be eligible. Fellows must be making progress towards a degree, in which they are currently enrolled. Fellows may apply to a maximum of two partner agencies per fellowship year, with one application each.
- Citizenship: Depending on the agency, applicants may need to be U.S. citizens or permanent residents.
- Award/Program Size: NSF will provide \$5,000 towards the costs of the internship including research, relocation, travel and other expenses.
- Due Dates: Applications for internships in Summer 2015, Fall 2015 and Winter 2015-2016 are due December 5, 2014, March 6, 2015, and June 5, 2015, respectively.

Source: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505127, accessed November 12, 2014.

Graduate Research Opportunities Worldwide (GROW)

- Overview: The GROW program provides travel funding for Graduate Research Fellows to conduct collaborative international research abroad with researchers in specific NSF partner countries. Recently the US Agency for International Development has also facilitated partnerships for new opportunities in developing countries. Current opportunities exist in Australia, Brazil, Chile, Denmark, Finland, France, India, Ireland, Japan, Korea, Netherlands, Norway, Singapore, Sweden, Switzerland, Brazil, Colombia, India, Indonesia, Philippines, Senegal, and South Africa.

- Eligibility: NSF Graduate Research Fellows, within their five year term, are eligible to apply. Fellows can either be “on tenure” or “on reserve” to be eligible. Fellows must have completed one year of their graduate program at the time of application and must be making progress towards their degree.
- Citizenship: No special requirements beyond the GRFP requirements.
- Award/Program Size: NSF expects to award up to 400 GROW fellowships in FY 2015. NSF will provide a travel allowance of \$5,000 to cover travel and research costs.
- Due Dates: Applications are due December 15, 2014 for the FY 2015 competition.

Source: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504876, accessed November 12, 2014.

Doctoral Dissertation Improvement Grants in the Directorate for Biological Science (DDIG)

- Overview: This program provides support for students studying areas of biology supported by the Division of Environmental Biology (DEB) and the Behavioral Systems Cluster of the Division of Integrative Organismal Systems (IOS). These grants provide partial support for doctoral dissertation research to participate in scientific meetings, to conduct research in specialized facilities or field settings, and to expand an existing body of dissertation research.
- Eligibility: An organization may submit only one proposal per student in a given year and a student may receive only one DDIG award. Students must have advanced to candidacy for a Ph.D. degree before the submission deadline to receive a DDIG award. Proposals should be submitted by the dissertation advisor on behalf of the student.
- Citizenship: There is no citizenship requirement for this program.
- Award/Program Size: There are an estimated number of 100 to 120 awards under the current solicitation. The maximum budget per award is \$13,000 total for up to two years.
- Due Date: Applications are due the second Thursday in October annually.

Source: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5234, accessed November 12, 2014.

Social, Behavioral, and Economic Sciences Doctoral Dissertation Research Improvement Grants (SBE DDRIG)

This program, which used to award grants to doctoral students to improve the quality of dissertation research across the Social, Behavioral, and Economic Sciences, no longer exists as a single program. However, numerous programs with the Directorate for Social, Behavioral, and Economic Sciences (SBE) have DDRIG tracks. These programs include Archaeology; Biological Anthropology; Cultural Anthropology; Decision, Risk, and Management Sciences; Documenting Endangered Languages; Economics; Geography and Spatial Sciences; Law and Social Sciences; Linguistics; Methodology, Measurement, and Statistics; Science of Science and Innovation Policy; Science, Technology, and Society; and Sociology. Eligibility, award size, and due dates

vary by program. Students should refer to the individual program site for more information on requirements for individual programs.

Source: http://www.nsf.gov/funding/education.jsp?fund_type=2, accessed November 12, 2014.

East Asia and Pacific Summer Institutes for U.S. Graduate Students (EAPSI)

- **Overview:** This fellowship program introduces graduate students in science and engineering to East Asia and Pacific science and engineering through first-hand research experiences and exposure to science policy, scientific infrastructure, society, culture, and language. Institutes are located in Australia, China, Japan, South Korea, New Zealand, Singapore and Taiwan and occur each summer between June and August.
- **Eligibility:** Applicants must be enrolled in a research-oriented master's or Ph.D. program at a U.S. institution pursuing studies in fields of science and engineering supported by NSF.
- **Citizenship:** Applicants must be U.S. citizens or permanent residents.
- **Award/Program Size:** There are an estimated 205 awards annually. The program provides a \$5,000 stipend, a roundtrip international airline ticket, and a pre-departure orientation in the Washington, D.C. area. Foreign co-sponsoring organizations will provide additional support to cover EAPSI students' living expenses abroad during the period of the summer institutes, and will provide an in-country orientation to the science environment and culture of each location.
- **Due Date:** Applications are due November 13, 2014 and the second Thursday in November, annually thereafter.

Source: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5284, accessed November 12, 2014.

U.S. Department of Agriculture

The U.S. Department of Agriculture's (USDA) primary mission is to regulate and implement public policy for the nation's food, agriculture, and natural resources. However, there are offices within USDA which support extramural research opportunities. The National Institute of Food and Agriculture (NIFA) is the primary extramural research and grant making agency of the USDA. Through the grants offered by NIFA, the USDA is able to conduct research critical to farmers, consumers, and communities. (In 2008, NIFA was created as a replacement for the organization formerly known as the Cooperative State Research, Education, and Extension Service.) This year's bipartisan five-year Farm Bill established a new Foundation for Food and Agriculture Research (FFAR) with \$200 million in mandatory spending with the purpose of fostering public-private partnerships to identify and prioritize research needs of the agricultural sector. It is not yet clear whether FFAR will create new graduate fellowship programs.

Institution Awards

NIFA National Needs Graduate and Postgraduate Fellowship (NNF) Grants Program

- **Overview:** This grant program supports training students for Master's and doctoral degrees in food, agricultural and natural resource sciences and special International Study or Thesis/Dissertation Research Travel Allowances (IRTA) for eligible recipients. Awards are specifically intended to support traineeship programs that engage outstanding students to pursue and complete their degrees in USDA mission areas.
- **Eligibility:** Applications are solicited from institutions that confer a graduate degree in at least one of the following targeted expertise shortage areas: animal and plant production, forest resources, agricultural educators and communicators, agricultural management and economics, food science and human nutrition, sciences for agricultural biosecurity, and training in integrative biosciences for sustainable food and agricultural systems.
- **Citizenship:** Beneficiaries of the NNF award must be U.S. citizens or nationals.
- **Award/Program Size:** An estimated \$2.8 million was available for the FY 2014 funding cycle. NNF plans to award \$41,000 for each master's level training [\$18,500 per year for two years as student stipend] and \$79,500 for each doctoral level training [\$24,500 per year for three years as student stipend]; there is a \$2,000 per student per year cost-of-education allowance for the institution. For the IRTA awards, there will be \$8,000 for doctoral level USDA Fellows and \$4,500 for master's level USDA Fellows. Awards may total up to \$262,500 per application.
- **Due Date:** The most recent application deadline was September 30, 2014. The next cycle for the fellowship has not yet been announced.

Source: <http://www.nifa.usda.gov/fo/graduateandpostgraduatefellowshipsserd.cfm>, accessed November 12, 2014.

Individual Awards

NIFA Fellowships Grant Program

- **Overview:** This grant program supports efforts to develop the next generation of leaders who will be actively engaged in agriculture, forestry, and food related research, education, and extension careers. Projects must be aligned with one of the five Agriculture and Food Research Initiative (AFRI) Challenge Areas: Agricultural Science for Climate Variability and Change; Childhood Obesity Prevention; Food Safety; Food Security; and Sustainable Bioenergy or one of the six AFRI Foundational areas: Plant health and production and plant products; Animal health and production and animal products; Food safety, nutrition, and health; Renewable energy, natural resources, and environment; Agriculture systems and technology; and Agriculture economics and rural communities.
- **Eligibility:** Applicants must be pursuing a doctorate degree and have successfully completed their preliminary, qualifying, or general exams (oral and/or written, as per institutional requirements) prior to the application deadline; or be seeking postdoctoral opportunities and have received their doctoral degree no earlier than January 1, 2011 and not later than November 20, 2014.
- **Citizenship:** Applicants must be U.S. citizens, nationals or permanent residents.
- **Award/Program Size:** \$6 million was available for awards in the FY 2014 funding cycle. Predoctoral Fellowship Grants are limited to a total of \$79,000 for project periods of up to two-years. Postdoctoral Fellowship Grants are limited to a total award of \$150,000 for two-year duration. Note that institutional allowance, in lieu of indirect costs, not to exceed \$2,400 per year, may be requested.
- **Due Date:** The most recent application deadline was February 20, 2014. The next cycle for the fellowship has not yet been announced, but is anticipated to be released this fall.

Source: <http://www.csrees.usda.gov/fo/fellowshipsgrantprogramafri.cfm>, accessed November 12, 2014.

USDA Public Service Leaders Scholarship (PSLS)

- **Overview:** This program provides combined scholarship and internship opportunities to undergraduate and graduate students leading to permanent employment upon completion of their degree. The program is designed to promote public service and create access to higher education.
- **Eligibility:** Applicants must be in good academic standing with a minimum 2.75 GPA based on a 4.0 scale at an accredited college or university, have a strong interest in a career in public service with the USDA, and be willing to relocate upon graduation.
- **Citizenship:** Applicants must be U.S. citizens, in the final stages of the application process for U.S. citizenship, or on schedule to have attained citizenship within a year of being accepted to the program.

- **Award/Program Size:** Recipients of a Public Service Leaders Scholarship enter into an agreement with the USDA to receive full-tuition scholarships for the indicated number of years. In addition, recipients intern at the USDA for a minimum of 640 hours prior to graduation. The internships are paid in addition to the scholarship funds.
- **Due Date:** The most recent application deadline was in spring 2012. Future dates have not yet been announced, but the program website indicates a competition will be forthcoming soon.
- **Special Attention:** Upon graduation, scholarship recipients become permanent employees of the Agency and must be prepared to commit one year for each year of educational assistance received.

Source: <http://www.hsi.usda.gov/Students/PSLS.htm>, accessed November 12, 2014.

Internships

Summer Intern Program (SIP)

- **Overview:** This program provides an opportunity for graduate students to gain experience as assistants in scientific, professional, and technical areas. The SIP consists of a number of internships that give students an opportunity to gain career experience and to strongly consider future employment with USDA. Internships are available within the USDA mission areas, agencies and staff offices.
- **Eligibility:** The USDA seeks high school, college, and graduate students whose field of study falls within one of their seven mission areas: farm and foreign agricultural services; food, nutrition and consumer services; food safety; marketing and regulatory programs; natural resources and environment; research, education and economics; and, rural development.
- **Citizenship:** Applicants must be U.S. citizens.
- **Award/Program Size:** The program runs June–August with flexible beginning and ending dates that are determined by the student and supervisor. Internships will be paid and transportation and housing expenses may be covered by the USDA.
- **Due Date:** Each intern position vacancy has its own deadline. Also, the individual USDA Agencies may post additional summer positions on their own websites, so check throughout the spring for further updates.

Source: <http://www.dm.usda.gov/employ/sip/programs.htm>, accessed November 12, 2014.

International Agricultural Internship Program (IAIP)

- **Overview:** This program provides participants with an opportunity to learn about issues, programs, and activities related to international agricultural trade by working in one of the 90 Foreign Agricultural Service overseas offices, located in or close to U.S. Embassies or Consulates.

- Eligibility: Students must be enrolled in a graduate program in a business- or science-related agricultural field—for example, agricultural economics, economics, finance, business or marketing. Students majoring in an international studies/relations program, in law school or in a biotechnology program are also eligible.
- Citizenship: Applicants must be U.S. citizens.
- Award/Program Size: Internships are paid and students are expected to work 40 hours a week.
- Due Dates: There are three annual deadlines: for the Fall semester the deadline is in March, for the Spring semester the deadline is in July, and for the Summer semester the deadline is in November.
- Special Attention: Applicants must have at least a 3.3 GPA and have the ability to pass a government background check.

Source: <http://www.dm.usda.gov/employ/student/internship.htm>, accessed November 12, 2014.

U.S. Agency for International Development

The U.S. Agency for International Development (USAID) is the primary U.S. agency responsible for engaging the developing world. USAID partners with the higher education community in support of solutions to key global development challenges. Priority areas during the Obama Administration include global health (including child and maternal health), combating and adapting to climate change, and promoting global food security. Under Administrator Rajiv Shah, USAID has enhanced its focused on research and innovation, including through new programs to connect with students at U.S. universities.

Individual Awards

USAID Research and Innovation Fellowship Program

- Overview: USAID launched its Research and Innovation Fellows (RI) program as part of the new U.S. Global Development Laboratory (USGDL). This program provides fellows with the opportunity to undertake research and other innovative projects at “universities, private sector corporations, research institutions, government agencies, and non-governmental organizations” in seven different countries across the developing world for a period of two to 12 months. The goal for the program is for fellows to “amplify a broad-based knowledge network, catalyze learning, and foster the positive exchange of information and experiences.” Students may choose from a wide variety of specific abroad opportunities, ranging from the biological sciences to the social sciences. This program is connected to NSF’s Graduate Research Opportunities Worldwide (GROW) program. See the NSF section above for more information.
- Eligibility: Applicants must be pursuing a degree at a U.S. academic institution. In addition, graduate students must be involved in NSF’s Graduate Research Fellowships Program

(GRFP). Other interested students must be enrolled at one of six universities initially selected to partner with USAID for this program (Rutgers University, University of Chicago, the University of Notre Dame, University of California – Berkeley, University of California – Davis, and Arizona State University). Students who are neither GRFP awardees nor students at the above universities are eligible to apply to be unofficial RI fellows, but will not receive any money from USAID and must seek funding from outside sources. USAID intends to expand the program to additional constituencies as funding grows.

- Citizenship: Applicants must be U.S. citizens, nationals, or permanent residents.
- Program/Award Size: Fellows can be granted up to \$24,000 in travel funding.
- Due Date: The deadline for graduate students already participating in the GRFP is December 15, 2014. For students attending one of the identified schools, information regarding deadlines is available through the institution’s website.

Source: <http://www.usaid.gov/RIFellowships/fellowship-opportunities>, accessed November 12, 2014.

<https://www.rifellowships.org/>, accessed November 12, 2014.

http://www.usaid.gov/sites/default/files/documents/15396/RIFellows-Student_One-pager.pdf, accessed November 12, 2014.

Donald M. Payne International Development Fellowship Program

- Overview: USAID’s new Donald Payne fellowship program honors the late former congressman by providing support for graduate students interested in careers in international development. The program supports students seeking master’s degrees in international affairs or subjects such as economics, development, history, political science, environmental studies, agriculture, public health, urban studies, public administration, or public policy. Applicants must commit to at least five years working for USAID as a member of the Foreign Service as a requirement of the program. The Payne Program specifically seeks applicants from minority groups historically underrepresented among international development professionals. The Program supports graduate study for students who want to work across a broad array of international development topic areas.
- Eligibility: Applicants must be U.S. citizens, be seeking admission to a two year graduate program for the fall of 2015, and have a GPA of at least 3.2 (on a 4.0 scale) at the time of application. Applicants cannot already be enrolled in graduate school at the time of application.
- Citizenship: Applicants must be U.S. citizens. Additionally, fellowship money can only be used at U.S. institutions of higher education.
- Program/Award Size: The Payne Program provides up to \$90,000 over two years for graduate school, internships, and professional development activities. This includes up to \$20,000 per year for tuition and fees and a \$15,000 stipend for each academic year and up to \$10,000 per year for summer internship stipend and expenses. USAID plans to award five fellowships in 2015.
- Due Date: Applications are due January 20, 2015.

Source: <http://www.paynefellows.org/?areaid=2&contentid=941>, accessed November 12, 2014.

Internships

Volunteer Student Interns

The agency hosts unpaid internships throughout the academic year. USAID seeks undergraduate and graduate students studying a wide variety of fields. Opportunities with specific offices are posted on the USAID website as they become available. Requirements and deadlines vary by opportunity.

Source: <http://www.usaid.gov/work-usaid/careers/student-internships>, accessed November 12, 2014.

Department of Transportation

The Department of Transportation (DOT) oversees federal highway, air, rail, maritime, and other transportation administration activities and functions. The Research and Innovative Technology Administration (RITA) oversees and coordinates DOT's research and education programs. DOT distributes research funds to state and local transportation agencies as well as academic institutions.

Individual Awards

Eisenhower Graduate Fellowship (GRAD)

- **Overview:** This program is one of the various fellowship programs under the Dwight D. Eisenhower Transportation Fellowship Program. GRAD provides students enrolled in master's and doctorate degree programs in transportation fields funding for tuition and research stipends.
- **Eligibility:** Applicants should be pursuing a master's or doctorate degree full-time in a transportation-related field and conducting ongoing transportation research.
- **Citizenship:** Students who are non-US citizens may apply for grants but must provide a certified copy of their I-20 or I-551 ID issued by the U.S. Citizenship & Immigration Service (CIS).
- **Award/Program Size:** The funding amount for each awardee depends on the selection and ranking from the National Selection Panel. Awardees may receive up to \$10,000 for tuition; master's level students may receive up to \$1,700 per month while doctoral level students may receive \$2,000 per month in stipends. The Eisenhower Transportation Fellowship Program has awarded 150 to 200 fellowships each year, including GRAD fellowships.

- Due Date: Applications are typically due in April. The FY 2015 competition has not yet been announced.

Source: <http://www.fhwa.dot.gov/tpp/ddetfp.htm>, accessed November 12, 2014.

Relevant Agencies Not Currently Offering Graduate Student Funding

National Endowment for the Humanities

Currently the National Endowment for the Humanities (NEH) does not support graduate education. There is an effort from the university community to advocate in support of NEH creating a new competitive grant program that would support faculty-graduate student collaborations similar to those found in the sciences. This program would allow students and researchers to explore areas of NEH interest such as foreign languages and cultural studies, religious histories, and the impact of globalization on teaching and scholarship, among others. Graduate students can participate in NEH-supported seminars and institutes. More information on these programs is available at <http://www.neh.gov/grants/education/summer-seminars-and-institutes> and <http://www.neh.gov/grants/odh/institutes-advanced-topics-in-the-digital-humanities>.

National Endowment for the Arts

The National Endowment for the Arts (NEA) supports traditional art forms such as music, dance, and theater projects. There are also opportunities for the funding of art promotion and enhancing access to the arts to unserved or underserved populations. NEA does not currently offer any programs specifically for graduate students.

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