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FEDERAL PROGRAMS AND FELLOWSHIPS THAT PROVIDE SUPPORT FOR GRADUATE STUDENTS

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This report contains a list of federal government 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.

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National Science Foundation

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

Institution Awards

Integrative Graduate Education and Research Traineeship Program (IGERT)

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12759

- **Overview:** This program has been developed to meet the challenges of educating U.S. Ph.D. scientists, engineers, and educators with the interdisciplinary backgrounds, deep knowledge in chosen disciplines, and technical, professional, and personal skills to become leaders and creative agents for change. It is also intended to facilitate greater diversity in student participation and preparation, and to contribute to the development of a diverse, globally-engaged science and engineering workforce. The major portion of the funds must be used for doctoral student stipends and educational and training activities. IGERT is an NSF-wide program.
- **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 fields supported by NSF in order to be eligible.
- **Citizenship:** All stipend recipients must be citizens or permanent residents of the U.S.
- **Award/Program Size:** IGERT awards to institutions can be up to \$600,000 per year for five years. NSF plans to make approximately 18 new and renewal IGERT awards in fiscal year 2011. The NSF contribution to graduate student stipends is currently \$30,000 per year per IGERT trainee for a 12-month appointment. Additional funding is available for projects that include an international component. (Awards will carry an 8 percent allowance for indirect costs based on the total direct cost, excluding equipment and cost-of-education allowances, but not excluding participant support.)
- **Due Date:** The most recent due date for the preliminary proposal was March 29, 2010. The upcoming dates have not yet been announced.
- **Special Attention:** There is a limit of four preliminary proposals that may be submitted by an institution either as a single institution or as a lead institution in a multi-institution preliminary proposal.

Graduate STEM Fellows in K-12 Education (GK-12)

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503369

- **Overview:** This program provides funding for graduate students in NSF-supported science, technology, engineering, and mathematics (STEM) disciplines to bring their leading research practice and findings into the K-12 learning settings. The GK-12 program provides an opportunity for graduate students to acquire value-added skills, such as communicating STEM subjects to technical and non-technical audiences, leadership, team building, and teaching while enriching STEM learning and instruction in the K-12 settings. Up to 30

percent of the total budget may be designated for direct costs other than fellows' stipends, K-12 teacher stipends and cost-of-education allowances.

- **Eligibility:** Only academic institutions in the U.S. and its territories that grant master's and doctoral degrees in NSF-supported STEM disciplines may apply. The lead principal investigator (PI) must be a STEM discipline faculty member actively conducting STEM research at the lead institution. Faculty members whose primary research is on science education are not eligible to serve as the lead PI. GK-12 fellows will be selected by the awardee institutions. During their tenure as fellows, they must be full-time graduate students pursuing degrees (Ph.D. and/or master's) and conducting research in STEM disciplines. The GK-12 program is intended for fellows who have completed their basic graduate course work and who have experience conducting STEM research.
- **Citizenship:** Fellows must be citizens, nationals, or permanent residents of the U.S.
- **Award/Program Size:** Fellows will be supported on any GK-12 award for a minimum of one year and a maximum of two years. The awards to institutions to support the fellows will be for up to \$600,000 per year for five years. It is anticipated that approximately 20-25 new awards will be made in fiscal year 2011. Additional funding is available for projects that include an international component. (The Indirect Cost (F&A) Limitation is 8 percent of total direct costs, excluding participant support and equipment.)
- **Due Date:** The most recent due date for applications was April 20, 2010. The upcoming dates have not yet been announced.
- **Special Attention:** Fellows must be able to communicate science and research to a variety of audiences and are expected to bring their research and practice into the K-12 classroom.

Federal Cyber Service: Scholarship for Service (SFS)

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5228

- **Overview:** This program seeks to increase the number of qualified students entering the fields of information assurance and computer security and to increase the capacity of the U.S. higher education enterprise to continue to produce professionals in these fields to meet the needs of our increasingly technological society. 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 information assurance and computer security fields. The Capacity Building Track provides funds to colleges and universities to improve the quality and increase the production of information assurance and computer security professionals.
- **Eligibility:** For the Scholarship Track, the proposing organization must be an accredited U.S. university or college that either has been designated by the National Security Agency and the Department of Homeland Security as a Center of Academic Excellence in Information Assurance Education (CAE/IAE or CAE-R) or has an information assurance program that meets criteria similar to those necessary for CAE/IAE designation. Applicants must be a full-time student within two years of graduation and in a formal program that is focused on computer security or information assurance at an awardee institution.
- **Citizenship:** To be eligible for consideration for an SFS scholarship, a student must be a U.S. citizen.
- **Award/Program Size:** The SFS Scholarship Track supports a university- or college-based scholarship program that supports two years of tuition, room and board allowance, and a

stipend for students in the general area of information assurance and security. The scholarships provide academic year stipends of \$12,000 per year for graduate students. There are an estimated number of six to eight Scholarship Track awards. Scholarship awards are usually funded as continuing grants over a four-year period.

- Due Date: The most recent due date for applications was February 2, 2010. The upcoming dates have not yet been announced.

Developing Global Scientists and Engineers

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12831

- Overview: This program encompasses two components – the first is the International Research Experiences for Students (IRES) and the second is the Doctoral Dissertation Enhancement Projects (DDEP). The IRES component of the program supports groups of U.S. undergraduate or graduate students conducting research abroad in collaboration with foreign investigators, while the DDEP component supports the dissertation research abroad of one doctoral student in collaboration with a foreign investigator.
- Eligibility: Proposals must be submitted by a U.S. institution, organization, or professional society. DDEP proposals must be submitted by the faculty advisor of the graduate student whose dissertation project is the subject of the proposal.
- Citizenship: Recipients of both awards must be U.S. citizens.
- Award/Program Size: The size of the IRES award is approximately \$50,000 per year for three years. The size of the DDEP award is approximately \$15,000 per award for up to two years.
- Due Dates: Applications for IRES are due September 15 annually. The applications for DDEP are accepted on a continuing basis.

Science Master's Program

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503428

A competition in this program was run in 2009 as part of the economic stimulus funding NSF received. The program was designed to catalyze the creation of science master's programs that prepare graduate students for careers in business, industry, nonprofit organizations, and government agencies by providing them not only with a strong foundation in science, technology, engineering, and mathematics (STEM) disciplines, but also with research and internship experiences. The bulk of the funds were required to be used for graduate student stipends and educational and training activities. NSF is unlikely to run another competition in this program unless it is forced to do so by Congress.

Individual Awards

Graduate Research Fellowship Program (GRF)

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6201

- Overview: This program provides support for students in the early stages of their graduate or doctoral studies in science, mathematics, or engineering, as well as additional support for women in engineering, computer, and information science disciplines.

- Eligibility: Fellowships are awarded for graduate study leading to research-based master's or doctoral degrees in the fields of science, technology, engineering, and mathematics (STEM) supported by NSF.
- Citizenship: Applicants must be citizens, nationals, or permanent residents of the U.S.
- Award/Program Size: NSF expects to award 2,000 awards for new fellowships in fiscal year 2011. For each year of support, NSF provides a stipend of \$30,000 to the Fellow and a cost-of-education allowance of \$10,500 to the degree-granting institution. Also available is a one-time international allowance of \$1,000 to students who have arranged full-time research study at an international site for at least three months. Looking ahead, President Obama in 2009 proposed to triple the number of new GRFs, bringing the level to 3,000 by 2013. The expansion of this program has already begun.
- Due Dates: Applications are typically due in November each year, with the exact date dependant on the field in which the student is applying.
- Special Attention: Applicants must not have completed more than 12 months of full-time graduate study prior to applying. Applicants who have completed part-time graduate study must have completed no more than 24 semester hours.

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

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5234&org=OISE

- Overview: This program provides support for students in selected areas of the biological sciences. These grants provide partial support of doctoral dissertation research to improve the overall quality of research. Allowed are costs for doctoral candidates 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. A student must have advanced to candidacy for a Ph.D. degree before the submission deadline to be eligible to submit a proposal. The proposal must be submitted by the dissertation advisor on behalf of a graduate student who is at the point of initiating or is already conducting dissertation research.
- Citizenship: There is no citizenship requirement for this program.
- Award/Program Size: There are an estimated number of 100 to 120 awards. The upper limit of the budget per award has been increased from \$12,000 to \$15,000.
- Due Date: Applications are due annually on the third Friday in November.
- Special Attention: Only proposals whose focus falls within the scope of the scientific area of the Behavioral Systems Cluster of the Division of Integrative Organismal Systems (IOS) or any scientific area in the Division of Environmental Biology (DEB) will be eligible.

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

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13453

- Overview: This program awards grants to doctoral students to improve the quality of dissertation research. This program provides supplemental funds for items not usually

available from the student's academic institution. The awards are not intended to provide the full costs of a student's doctoral dissertation research.

- Eligibility: Proposals must be submitted by the dissertation advisor on behalf of the graduate student who is at the point of initiating or already conducting dissertation research. The student (co-PI) must attend a U.S. institution.
- Citizenship: There is no citizenship requirement for this program.
- Award/Program Size: There are an estimated number of 200 to 300 awards for the entire SBE Directorate. Funds are to be used exclusively for necessary expenses incurred in the actual conduct of the dissertation research. Due to the variation in research techniques and needs across the social, behavioral, and economic sciences, individual programs vary widely in award sizes; please consult the program's webpage or program director for specific information. These funds may not be used as a stipend for the student, for tuition, textbooks, journals, or for the typing, reproduction, or publication costs of the student's dissertation.
- Due Dates: The proposal deadlines are specific to research fields. Proposals are due annually January 15, February 9, February 15, August 16, and October 15. Please check the website for the appropriate due date.
- Special Attention: This program does not support research with disease-related goals, including research on the etiology, diagnosis, or treatment of physical or mental disease, abnormality, or malfunction of human beings, animals or plants.

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

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5284

- Overview: This fellowship program introduces graduate students in science and engineering to East Asia and Pacific science and engineering in the context of a research setting, and helps students initiate scientific relationships that will better enable future collaboration with foreign counterparts. Institutes are located in Australia, China, Japan, 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.
- Citizenship: Applicants must be a U.S. citizen.
- Award/Program Size: There are an estimated 195 awards annually. Awardees will receive a \$5,000 stipend, a roundtrip international airline ticket, and will be supported to attend 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 annually on the second Tuesday in December.

Doctoral Dissertation Enhancement Projects (DDEP)

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12831

This program supports the dissertation research abroad of one doctoral student in collaboration with a foreign investigator. For more information, please see the description of the Developing Global Scientists and Engineers program above.

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 Grants (T32)

<http://grants1.nih.gov/grants/guide/pa-files/PA-10-036.html>

- **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 with the skills, knowledge, past training record, and available resources required to conduct the proposed research training program at the sponsoring institution.
- **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. Applicants should request full needs for tuition and fees. The rate currently provides 60 percent of the level requested by the applicant institution, up to \$16,000 per year per predoctoral trainee. 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.

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

<http://grants1.nih.gov/grants/guide/pa-files/PA-10-037.html>

- **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 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 PI should be an established basic, behavioral, and/or clinical researcher with the skills, knowledge, past training record, and available resources needed to conduct the proposed research training program at the sponsoring institution.
- **Citizenship:** The individuals to be trained must be citizens, nationals, or residents of the U.S.
- **Award/Program Size:** Tuition, fees, and health insurance are allowable trainee costs. Grantee institutions will receive a facilities and administrative allowance at 8 percent of total direct costs rather than on the basis of a negotiated rate agreement.
- **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.

Individual Awards

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Predoctoral Fellows (Parent F31)

<http://grants.nih.gov/grants/guide/pa-files/PA-10-108.html>

- **Overview:** The purpose of this individual predoctoral research training fellowship is to 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 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 substantial interest in a research area of high priority to the participating IC.
- **Citizenship:** Applicants must be citizens, nationals, or residents of the U.S.
- **Award/Program Size:** This award will provide up to five years of support for research training which leads to the Ph.D. or equivalent research degree, the combined MD/Ph.D. degree, or another formally combined professional degree and research doctoral degree in the biomedical, behavioral, or clinical sciences.
- **Due Date:** Applications are due in three annual cycles: April 8, August 8, and December 8.
- **Special Attention:** 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.

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

<http://grants.nih.gov/grants/guide/pa-files/PA-10-109.html>

- 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. 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 during the tenure of the award.
- 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: Because the nature and scope of the proposed research training will vary from application to application, it is anticipated that the size and duration of each award will also vary. The project period may not exceed five years and is often limited to two to three years.
- Due Date: Applications are due in three annual cycles: April 8, August 8, and December 8.

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Predoctoral MD/Ph.D. and Other Dual Doctoral Degree Fellows (Parent F30)

<http://grants.nih.gov/grants/guide/pa-files/PA-10-107.html>

- Overview: The purpose of this award is to provide support to individuals for combined MD/Ph.D. 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 Institutes 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 substantial interest in research in areas of high priority to the participating Institutes.
- Citizenship: Applicants must be citizens, nationals, or residents of the U.S.
- Award/Program Size: Because the nature and scope of the proposed research training will vary from application to application, it is anticipated that the size and duration of each award will also vary. The total amount awarded and the number of awards will depend upon the mechanism numbers, quality, duration, and costs of the applications received.
- Due Date: Applications are due in three annual cycles: April 8, August 8, and December 8.
- Special Attention: The applicant must be enrolled in a formally combined MD/Ph.D. (or DO/Ph.D., DDS/Ph.D., or AuD/Ph.D.) program, and be supervised by a sponsor for the research doctoral component.

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)

<http://www2.ed.gov/programs/gaann/index.html>

- Overview: This program provides fellowships, through academic departments and programs of institutions of higher education, 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 areas of national need. A project must provide fellowships in one or more of the following areas of national need: biology, chemistry, computer and information sciences, engineering, mathematics, nursing, and physics.
- 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.
- Citizenship: Fellows must be citizens, nationals, or permanent residents of the U.S.
- Award/Program Size: The amount of a grant to an academic department may not be less than \$100,000 and may not be more than \$750,000 in a fiscal year. 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 ten.
- Due Date: The most recent application deadline was December 18, 2009. The upcoming date has not yet been announced.
- Special Attention: An institution must provide an institutional matching contribution equal to at least 25 percent.

Fulbright-Hays Doctoral Dissertation Research Abroad

<http://www2.ed.gov/programs/iegpsddrap/index.html>

- 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. Projects deepen research knowledge of and help the nation develop capability in areas of the world not generally included in U.S. curricula.
- Eligibility: Institutions of higher education are eligible to apply. Graduate students in doctoral programs in the fields of foreign languages and area studies must apply through the institutions in which they are enrolled.

- Citizenship: Students are eligible to receive a fellowship if they are citizens, nationals, or permanent residents of the U.S.
- Award/Program Size: In 2010, the Department of Education issued 146 new fellowships for a total of approximately \$5.8 million. The average fellowship award was \$38,196.
- Due Date: The most recent application deadline was December 1, 2009. The upcoming dates have not yet been announced.
- Special Attention: Eligible students must be planning a teaching career in the U.S. upon graduation.

Foreign Language and Area Studies (FLAS) Fellowships Program

<http://www2.ed.gov/programs/iegpsflasf/index.html>

- 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.
- Due Date: Applications are due March 23, 2010.

Individual Awards

Jacob K. Javits Fellowships Program

<http://www2.ed.gov/programs/jacobjavits/index.html>

- Overview: This program provides fellowships to students to undertake study at the doctoral and Master of Fine Arts level in selected fields of arts, humanities, and social sciences.
- Eligibility: This program is limited to individuals who at the time of application will be entering a doctoral program and/or who, have not yet completed their first full year of study in the doctoral program for which they are seeking support, or will be entering a Master of Fine Arts program where the master's is the terminal highest degree awarded in the selected field of study.
- Citizenship: Eligibility is limited to U.S. citizens, nationals, or permanent residents of the U.S., or citizens of any one of the Freely Associated States (the Federated States of Micronesia, the republic of Palau, and the Marshall Islands).
- Award/Program Size: In FY 2010 there were 27 new awards and 195 continuing awards, with the total appropriation approximately \$9.7 million. In FY 2010 there was a maximum stipend of \$30,000 and an institutional payment of approximately \$13,755.
- Due Date: The fiscal year 2011 competition has been announced; the due date is September 30, 2010.

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, nuclear medicine, and nuclear physics.

Individual Awards

Graduate Fellowship Program

<http://scgf.ornl.gov/>

- **Overview:** This program supports 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 and to encourage the development of the next generation of scientific and technical talent in the U.S.
- **Eligibility:** Applicants must be a first-year or second-year full-time graduate student in a qualified research-focused master's or Ph.D. program in physics, chemistry, biology (non-medical), mathematics, engineering, computer science, or areas of environmental sciences. The master's or Ph.D. degree program pursued must require a research thesis/dissertation.
- **Citizenship:** Applicants must be U.S. citizens.
- **Award/Program Size:** The duration of the fellowship is three years. Fellows will receive a yearly stipend of \$35,000 for general living expenses. Fellows are eligible to receive up to \$10,500 towards university tuition and fees. Fellows will also receive a research stipend of \$5,000 per year.
- **Due Date:** The most recent application deadline was November 30, 2009. The upcoming dates have not yet been announced.
- **Special Attention:** While this program was originally funded through the American Recovery and Reinvestment Act (ARRA), the Administration has requested it be continued.

Computational Science Graduate Fellowship (CSGF) Program

<http://www.krellinst.org/csgf/>

- **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.
- **Eligibility:** Students in their first or second year of graduate study 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 to be paid through the

duration of the program. Awardees will also receive a yearly stipend of \$32,400 and academic allowances.

- Due Date: The 2010 fellowship application period ended January 14, 2010. Online application for the 2011 cycle will open late October 2010.
- Special Attention: A new policy was initiated during the 2010-2011 award cycle. For the 2010 and future cycles, applications will only be considered for study in departments that certify that either no more than one term of teaching, grading or other departmental support activities are required of students in the applicant's department or if there are requirements to teach, grade or provide other departmental support for more than one term, they will be waived for the CSGF fellows.

Scholars Program: Internships at DOE Labs

<http://orise.orau.gov/doescholars/description/default.htm>

- Overview: This program is designed with a variety of components that promote DOE's strategic objectives of creating a pipeline of highly qualified college graduates in disciplinary fields that support programs in mission-critical areas of DOE. The Scholars Program offers paid internships, research opportunities, and individual development. Academic fields that this program supports includes but are not limited to: engineering, physical sciences, environmental sciences, computer science and information technology, physics, program management, mathematics, statistics, safety and health, accounting and finance, and law. Internships require that the student relocate to a DOE chosen site for the duration of the program.
- Eligibility: Only graduate students enrolled at a U.S. university may apply.
- Citizenship: Applicants must be U.S. citizens.
- Award/Program Size: Recipients will receive a stipend of \$650 per week, travel reimbursement, training and development, and research and technological opportunities. Internships last ten weeks during the summer and up to 16 weeks during semester appointments, with the possibility of extension.
- Due Date: The most recent deadline for applications was March 15, 2010. The upcoming dates have not yet been announced.

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)

<http://ndseg.asee.org/>

- 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 at or near the beginning of their doctoral studies in science or engineering.
- Citizenship: Applicants must be U.S. citizens.
- Award/Program Size: The DOD awarded approximately 200 new three-year graduate fellowships in April 2010. 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.
- Due Date: Applications are due December 17, 2010.

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

<http://smart.asee.org/>

- 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.
- Citizenship: Applicants must be a U.S. citizen.
- Award/Program Size: Participants receive full tuition and education related fees; cash award paid at a rate of \$25,000 to \$41,000 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.
- Due Date: The application period for 2011 closes on December 1, 2010.
- Special Attentions: Participants must be able to participate in summer internships at DOD laboratories and willing to accept post-graduate employment with the DOD.

National Security Education Program (NSEP)

<http://www.nsep.gov/initiatives/>

- 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 or domestic study, or a combination of both. This program requires recipients to work for the federal government for at least at year.
- Eligibility: Students must be enrolled in a graduate program at a U.S. academic institution.
- Citizenship: Applicants must be U.S. citizens.
- Award/Program Size: The Boren Fellowship provides 12 weeks minimum and two years maximum (maximum one year if you are serving overseas) of support. The total amount allocated for the graduate fellowship is \$2 million for fiscal year 2011. 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. The program awarded 100 fellowships in 2010.
- Due Date: The application for the 2011-2012 Boren Fellowship is due February 1, 2011.

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.)

Institution Awards

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

<http://www.nifa.usda.gov/fo/graduateandpostgraduatefellowshipsserd.cfm>

- 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: NNF typically awards \$40,000 for each master's level training (\$18,500 per year for two years as student stipend) and \$78,000 for each doctoral level training (\$24,500 per year for three years as student stipend). For each level of student training there is a \$1,500 per student per year cost-of-education allowance for the institution. A NNF fellow at the master's degree level who maintains satisfactory progress is eligible to receive grant support for a maximum of 24 months during a 30-month period. A NNF fellow at the doctoral degree level is eligible to receive grant support for a maximum of 36 months within a 42-month period.
- Due Date: The most recent application deadline was May 10, 2010. The upcoming dates have not yet been announced.

Individual Awards

Summer Intern Program (SIP)

<http://www.dm.usda.gov/employ/SIPIntro.htm>

- 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 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.

USDA Public Service Leaders Scholarship

<http://www.hsi.usda.gov/Programs&Services/scholarship.htm>

- 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, have a strong interest in a career in public service with the USDA, and be willing to relocate upon graduation.
- Citizenship: To be eligible for the program students 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 March 15, 2010. The upcoming dates have not yet been announced.
- Special Attention: Upon graduation, scholarship recipients become permanent employees of the USDA and must be prepared to work for USDA for one year for each year of educational assistance received.

International Agricultural Internship Program

<http://www.fas.usda.gov/Admin/student/iaip/index.asp>

- 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: Students must be U.S. citizens.
- Award/Program Size: Approximately ten interns are placed per semester. Internships are paid and students are expected to work 40 hours a week.
- Due Dates: The annual application deadlines are as followed: July 1 for the spring program; November 1 for the summer program; and, March 1 for the fall program.

Environmental Protection Agency

The Environmental Protection Agency (EPA) relies on sound science to safeguard both human health and the environment. The Office of Research and Development (ORD) is the scientific research arm of EPA. ORD conducts research on ways to prevent pollution, protect human health, and reduce risk. The work at ORD laboratories, research centers, and offices across the country helps improve the quality of air, water, soil, and the way we use resources. Applied science at ORD builds researchers' understanding of how to protect and enhance the relationship between humans and the ecosystems of Earth.

Individual Awards

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

<http://www.epa.gov/ncerqa/fellow/>

- Overview: This program supports master's and doctoral candidates in environmental studies. Students can pursue degrees in traditionally recognized environmental disciplines as well as other fields such as social anthropology, urban and regional planning, and decision sciences.

The purpose of the fellowship program is to encourage promising students to obtain advanced degrees and pursue careers in environmentally-related fields.

- **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:** Students must be either a U.S. citizen or have permanent residency in the U.S.
- **Award/Program Size:** The term of a graduate fellowship is negotiated with students and customarily covers a period of nine to 12 months for each fellowship year. Students seeking a master's degree may be supported for a maximum of two years. Students seeking doctoral degrees may receive support for a maximum of three years, available over a period of four years. A maximum of \$74,000 will be provided for master's fellows (two years) and up to \$111,000 (three years) for doctoral fellows. Awards range from \$55,000 to \$111,000 total per fellowship with an average of \$80,000.
- **Due Date:** The upcoming application deadline has not yet been announced.
- **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.

National Network for Environmental Management Studies (NNEMS)

<http://www.epa.gov/enviroed/NNEMS/index.html>

- **Overview:** This program offers fellowships that are narrow in scope, allowing students to complete the fellowship while working full-time at EPA during the summer or part-time during the school year. Typically, the research is conducted at an EPA office or laboratory, although other arrangements can be made in certain circumstances. The fellowships are organized among four categories: environmental policy, regulation, and law; environmental management and administration; environmental science; and public relations and communications.
- **Eligibility:** The program is only available to undergraduate- and graduate-level students pursuing an educational program directly related to pollution control or environmental protection.
- **Citizenship:** Students must be either a U.S. citizen or have permanent residency in the U.S.
- **Award/Program Size:** Recipients of the fellowships receive a stipend based on the student's level of education and the duration and location of the project. Each year, the NNEMS program offers approximately 30 to 40 fellowships for an estimated total of \$400,000.
- **Due Date:** The most recent application deadline was February 5, 2010. The upcoming dates have not yet been announced.

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 conserve and manage coastal and marine resources. NOAA is divided between several offices: the National Weather Service; Satellites and Information; Fisheries; Ocean Service; the Office of Marine and Aviation Operations; the Office of Program Planning and Integration; and

Office of Oceanic and Atmospheric Research. The Office of Oceanic and Atmospheric Research performs research to support providing better forecasts, earlier warnings for natural disasters and a greater understanding of the Earth.

Individual Awards

Dr. Nancy Foster Scholarship Program

<http://fosterscholars.noaa.gov/aboutscholarship.html>

- Overview: This program provides support for independent graduate-level research in oceanography, marine biology, or maritime archaeology, particularly by women and members of minority groups.
- 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 (including the curation, preservation, and display of maritime artifacts) or marine biology, (including all science, engineering, and resource management of ocean and coastal areas).
- 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 and up to \$10,000 support for a four to six week research collaboration at a NOAA facility. Master's students may be supported for up to two years, and doctoral students for up to four years. About four scholarships are awarded each year.
- Due Date: The most recent application deadline was March 17, 2010. The upcoming dates have not yet been announced.

National Estuarine Research Reserve Systems (NERRS) Graduate Research Fellowship Program

<http://www.nerrs.noaa.gov/Fellowship.aspx>

- Overview: This program provides support for fellows to conduct their research within a National Estuarine Research Reserve and gain hands-on experience by engaging with reserve staff and participating in their host reserve's research, education, stewardship and training programs. The program's focus areas are: nutrient dynamics and/or effects of non-point source pollution and eutrophication; habitat conservation and restoration; biodiversity and/or effects of invasive species; mechanisms of sustaining estuarine ecosystems; and economic, sociological, and anthropological research applicable to estuarine ecosystem management.
- Eligibility: Applicants must be admitted to or enrolled in a full-time master's or doctoral program at a U.S. accredited university
- Citizenship: There is no citizenship requirement for this program.
- Award/Program Size: Fellows receive a stipend of \$20,000 per year and may be funded up to three years. Students who are selected as fellows participate in the reserve's research and/or monitoring, stewardship, education, or coastal training programs for up to 15 hours per week.
- Due Date: The application deadline is November 1 of each year.
- Special Attention: This program requires an institutional match of 30 percent, either cash or in-kind.

National Aeronautics and Space Administration

The National Aeronautics and Space Administration (NASA) conducts its work related to space exploration in four principal organizations called mission directorates: science, aeronautics, exploration, and space operations. The Science directorate explores the Earth, solar system and universe beyond; charts the best route of discovery; and reaps the benefits of Earth and space exploration for society. The Aeronautics directorate pioneers and proves new flight technologies that improve our ability to explore and which have practical applications on Earth. The Exploration Systems directorate creates capabilities for sustainable human and robotic exploration. Finally, the Space Operations directorate provides critical enabling technologies for much of the rest of NASA through the space shuttle, the International Space Station and flight support. 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

National Space Grant College and Fellowship Program

<http://www.nasa.gov/offices/education/programs/national/spacegrant/home/index.html>

- Overview: The Space Grant is a national network of colleges and universities. The Space Grant national network 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 fund fellowships and scholarships for students pursuing careers in science, mathematics, engineering and technology (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, and 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 math, science and engineering disciplines, are eligible for fellowships which enable them to initiate or continue research in their own fields and complete their studies. Eligibility details vary from institution to institution.
- Citizenship: Students must be U.S. citizens.
- Award/Program Size: The size and duration of the fellowship awards vary from institution to institution.
- Due Date: Due dates vary from institution to institution.
- Special Attention: To determine the details of criteria and awards at a specific institution, see state links at http://www.nasa.gov/offices/education/programs/national/spacegrant/home/Space_Grant_Consortium_Websites.html.

Jenkins Pre-doctoral Fellowship Project (JFPF)

http://www.nasa.gov/offices/education/programs/descriptions/Jenkins_Predocctoral_Fellowship_Project.html

- Overview: This program seeks to increase the number of graduate degrees awarded to underrepresented persons (women, minorities and persons with disabilities) in the science, technology, engineering, and mathematics (STEM) disciplines. The JFPF provides up to three years of support and includes a mentor-protégé initiative, fellows orientation, a technical exchange symposium and the competitive mini research award program. The competitive mini research award program provides six weeks of hands-on research experience at a NASA center or the Jet Propulsion Laboratory in California.
- Eligibility: Recipients of this award must be full-time graduate or doctoral students enrolled in a STEM discipline.
- Citizenship: This award is open to U.S. citizens, including residents of Puerto Rico, the Virgin Islands, and other U.S. territories.
- Award/Program Size: Up to 20 fellows are selected annually. Annual stipends for students pursuing doctoral degrees start at \$24,000 and \$18,000 for master's-level fellows. Annual tuition offsets are \$8,500 per year for all fellows.
- Due Date: The most recent application deadline was February 8, 2010. The upcoming dates have not yet been announced.
- Special Attention: Applicants must be a member of an underrepresented group, which includes women, ethnic minorities, and persons with disabilities, majoring in a STEM discipline.

Graduate Student Researchers Project

http://www.nasa.gov/offices/education/programs/descriptions/Graduate_Student_Researchers_Project.html

- Overview: This program awards fellowships for graduate study leading to master's or doctoral degrees. Research opportunities are located at each of the nine NASA centers and 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, mathematics, and engineering.
- Citizenship: Applicants must be U.S. citizens.
- Award/Program Size: This 12-month award may be renewed annually, for a maximum of three years.
- Due Date: The most recent application deadline was March 8, 2010. The upcoming dates have not yet been announced.
- Special Attention: This program includes a required internship at the NASA center affiliated with the NASA-sponsored research.

NASA Summer Internships

NASA offers a variety of internship opportunities for students in NASA-related fields. Below is list of internships for graduate students and the link to the specific website for more information.

- **Achieving Competence in Computing, Engineering and Space Science**
http://www.nasa.gov/offices/education/programs/descriptions/Achieving_Competence.html
- **Independent Validation and Verification Project (IV&V)**
http://www.nasa.gov/offices/education/programs/descriptions/Independent_Validation_Verification_Project.html
- **Lewis' Educational & Research Collaborative Internship Project**
http://www.nasa.gov/offices/education/programs/descriptions/LERCIP_College.html
- **NASA Academy**
http://www.nasa.gov/offices/education/programs/descriptions/NASA_Academy.html
- **Robotics Academy**
http://www.nasa.gov/offices/education/programs/descriptions/Robotics_Academy.html
- **Space and Aeronautics Internship Project**
http://www.nasa.gov/offices/education/programs/descriptions/Space_Internship_Project.html
- **Student Internship Project**
http://www.nasa.gov/offices/education/programs/descriptions/Student_Internship_Project.html
- **Langley Aerospace Research Summer Scholars Project**
http://www.nasa.gov/offices/education/programs/descriptions/Langley_Aerospace_Research_Summer_Scholars_Project.html
- **University Affiliated Research Center Systems Teaching Institute Graduate Student Summer Internship Project**
http://www.nasa.gov/offices/education/programs/descriptions/University_Affiliated_Research_Center_STI.html

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 seven laboratories: Building and Fire Research, Chemical Science and Technology, Electronics and Electrical Engineering, Information Technology, Manufacturing Engineering, Materials Science and Engineering, and Physics. It also has a Center for Neutron Research and a Center for Nanoscale Science and Technology.

Individual Awards

NIST Measurement Science and Engineering Fellowships

http://www.nist.gov/public_affairs/releases/fellow_062310.cfm

- Overview: This fellowship program supports graduate students, post-doctoral, and senior researchers conducting research in existing programs at NIST's campuses at Gaithersburg, MD or Boulder, CO, or at the Hollings Marine Laboratory (HML) in Charleston, SC. NIST plans to continue the program in 2011 and 2012 and to expand it to include undergraduate students.
- Eligibility: Graduate students remain enrolled in their home institutions but are located at the NIST laboratories. NIST laboratories conduct research in a wide variety of areas; applicants must identify the research areas of greatest interest to themselves. For reference, qualified degree areas listed are biology, biochemistry, bioengineering, bioinformatics, biophysics, cell biology, molecular biology, chemistry, chemical engineering, computer science, electrical engineering, fire protection engineering, mechanical engineering, structural engineering, materials science, mathematics, physics, or allied fields.
- Citizenship: There is no citizenship requirement for the fellowships.
- Award/Program Size: Graduate fellowships will include a stipend, benefits and full tuition (as determined by their home institution).
- Due Date: For the 2010-2011 year, NIST began accepting applications for the fellowships on July 15 and planned to continue on an ongoing basis until the positions were filled.

Department of State

The Department of State supports a limited number of international social science grants each year. Many of these grants focus on international public policy, governance, and/or human rights. Expectations for solicitation announcements and due dates vary by program.

Individual Awards

Fulbright Grants for Graduate Study and Research Abroad

<http://fulbright.state.gov/fulbright/>

- Overview: This program is an international educational exchange program designed to increase mutual understanding between Americans and people of other countries. The program provides participants, chosen for their academic merit and leadership potential, with the opportunity to study, teach, and 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 2009, the Congressional appropriation was \$234.9 million. Foreign governments contributed an additional \$60 million in financial year 2008 in direct and in-kind support.

Fascell Fellowship Program

http://www.careers.state.gov/students/gpg_students.html#CEP

- Overview: This program gives graduate students firsthand exposure to a foreign culture, while they are serving the nation. Typically, duties may involve substantive administrative, consular, political/economic or public diplomacy responsibilities. Most fellowships are intended for, but not limited to teachers, scholars, academics, and graduates of advanced-level programs focused on Eastern Europe, Slavic, or Mandarin languages.
- Eligibility: Applicants must be at least 21 years of age on the closing date of the application deadline, enrolled in or a graduate of a relevant advanced degree program focused on language or area studies, and fluent in the language of the country for which they want to be considered.
- Citizenship: Applicants must be U.S. citizens.
- Award/Program Size: All positions include government housing, travel, and transportation costs.
- Due Date: The current year's solicitation is currently closed. The due date for the next cycle has not yet been announced.
- Special Attention: Applicants must be able to obtain a Top Secret clearance and meet Department of State medical requirements.

U.S. Agency for International Development

The U.S. Agency for International Development (USAID) has long recognized the U.S. higher education community as a national asset and a valued partner in international development. The community fosters creative new approaches to development problems which USAID is working on throughout the developing world in support of U.S. national interests.

Volunteer Student Interns

<http://www.usaid.gov/careers/studentprograms.html>

- Overview: The agency will be sponsoring unpaid internships throughout the academic year. USAID seek highly motivated undergraduate and graduate students studying a wide variety of fields, including engineering, computer science, mathematics, economics, foreign languages, area studies, business administration, accounting, international relations, finance, logistics, human resources, geography, public health, national security studies, military and

foreign affairs, political science and public administration. Selected interns will be placed in various bureaus within the agency.

- Eligibility: Applicants must be enrolled in an accredited college or university and in good academic standing, with a minimum grade point average of 3.0.
- Citizenship: Applicants must be U.S. citizens.
- Due Date: Volunteer Student Intern vacancies are posted on the above website when opportunities are available. Please review the vacancies along with additional qualifications and apply by e-mailing the contact person listed. Send a resume, cover letter and possible dates of involvement.

Department of Housing and Urban Development

The mission of the Department of Housing and Urban Development (HUD) is to create strong, sustainable, inclusive communities and quality affordable homes for all. HUD is working to strengthen the housing market to bolster the economy and protect consumers, meet the need for quality affordable rental homes; utilize housing as a platform for improving quality of life, build inclusive and sustainable communities free from discrimination, and transform the way HUD does business.

Institution Awards

Community Development Work Study Program (CDWSP)

<http://portal.hud.gov/portal/page/portal/HUD/programdescription/cdwsp>

- Overview: This program offers work stipends, tuition support, and other assistance to attract economically disadvantaged and minority graduate students to careers in community and economic development.
- Eligibility: This program awards two-year grants on a competitive basis to institutions of higher education offering degrees in a community development academic program. Economically disadvantaged and minority students enrolled in full-time graduate programs in community and economic development, community planning or management, or other related fields of study are eligible to receive assistance. Related fields include public administration, urban management, and urban planning, but exclude sociology and humanistic fields such as law, economics, education, and history.
- Award/Program Size: The grantee organizations select up to ten program participants, secure work assignments, disburse funds, and monitor student performance. Historically, CDWSP has been funded at \$3 million, allowing the program to assist approximately 100 additional students annually.

Individual Awards

Doctoral Dissertation Research Grant Program

<http://portal.hud.gov/portal/page/portal/HUD/programdescription/ddrg>

- Overview: This program is intended to stimulate policy-relevant urban research in several ways: by encouraging doctoral candidates to pursue research topics in community, housing, and urban development; by assisting doctoral candidates in the timely completion of the dissertation research; and by providing an arena for new scholars to share their research findings.
- Eligibility: Doctoral candidates currently enrolled in accredited programs are eligible for the Doctoral Dissertation Research Grant program. They may be in any academic discipline that provides policy-relevant insight on research issues encompassed by HUD's mission and program commitments. Eligible students must have fully developed and approved dissertation proposals that address issues in housing and urban development and can be completed within a two-year period. They must also have completed all written and oral Ph.D. requirements by September of the year in which the grant begins.
- Award/Program Size: HUD competitively awards one-time grants of \$15,000 per student each year to approximately 15 doctoral candidates currently enrolled in accredited programs.
- Special Attention: Please note that this program was eliminated from the fiscal year 2011 appropriations bill and therefore may be terminated soon. In addition, HUD requires that students' universities support their research by contributing a substantial waiver of tuition and fees, office space, equipment, computer time, or similar items needed to complete the dissertation. This support must be made available in addition to any assistance (for example, physical working space) that the universities would otherwise provide.

Centers for Disease Control and Prevention

The Centers for Disease Control and Prevention (CDC), with the Department of Health and Human Services (HHS), works to protect public health and safety by providing information to enhance health decisions. The CDC focuses national attention on developing and applying disease prevention and control, infectious diseases environmental health, occupational safety and health, health promotion, prevention and education activities designed to improve the health nationally.

Individual Awards

Emerging Infectious Disease (EID) Fellowship Programs

<http://www.cdc.gov/eid/pages/default.aspx>

- Overview: The EID Advanced Laboratory Training Fellowship is a one-year program designed for bachelor's or master's 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 designed for

doctoral level (Ph.D., MD or DVM) scientists to conduct high-priority research in infectious diseases.

- **Eligibility:** Applicants must be enrolled in bachelors, 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 US. Fellows are provided with a stipend, medical insurance, travel to the host laboratory and a professional development allowance.
- **Due Date:** The most recent application deadline was February 12, 2010. The upcoming dates have not yet been announced.
- **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.

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 for all Americans. 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

<http://grants.nih.gov/grants/guide/pa-files/PAR-09-212.html>

- **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. Applicants are strongly encouraged to focus on topical areas unique to AHRQ, demonstrating how expected results can be used or made available for use to enhance healthcare quality. Results should be directly relevant to customers, such as providers and practitioners, administrators, payers, consumers, policymakers, and insurers. 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:** 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 in duration.
- **Due Date:** Applications are due annually February 1, May 1, August 1, and November 1.

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.

Institution Awards

Scholarships for Disadvantaged Students

<https://grants.hrsa.gov/webexternal/FundingOppDetails.asp?FundingCycleId=1343D863-5563-4D61-9EE8-C6058C60641F>

- **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.
- **Award/Program Size:** The estimated amount of this competition is \$52 million. There are approximately 350 awards, with an average size of \$150,977 per award.
- **Due Date:** The most recent application deadline was June 1, 2010. The upcoming dates have not yet been announced.

Health Careers Opportunity Program (HCOP)

<https://grants.hrsa.gov/webexternal/FundingOppDetails.asp?FundingCycleId=79A96BF3-93A1-4595-8897-0413D6C0DF4D>

- Overview: The goal of this program is to assist individuals from disadvantaged backgrounds to undertake education to enter a health profession. The HCOP program works to build diversity in the health fields by providing 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 this competition is \$3 million. There are approximately three awards, with an average size of \$932,016 per award.
- Due Date: The most recent application deadline was June 1, 2010. The upcoming dates have not yet been announced.
- 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.

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

<http://mentalhealth.samhsa.gov/publications/allpubs/NMH02-0143/default.asp>

- 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 \$4.2 million in fiscal year 2010.

- Eligibility:
 - 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.
 - 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.
 - 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.
 - AAMFT—The program is open to all graduate 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. Applicants must be enrolled full-time in a Marriage and Family Therapy doctoral program. 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.
- Citizenship:
 - ANA — Fellows must be U.S. citizens or have permanent visa status.
 - ApA — Fellows must be U.S. citizens or permanent residents.
 - CSWE — Fellows must be U.S. citizens, non-citizen nationals, or permanent residents.
 - APA— Fellows must be U.S. citizens or permanent residents.
 - AAMFT — Fellows must be U.S. citizens or permanent residents.
- Award/Program Size:
 - 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.
- 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 is the fellow maintains satisfactory progress towards degree objectives.
- APA — Fellows receive financial support for a maximum of three year and must be renewed annually. There is limited availability for dissertation support.
- AAMFT — Fellows receive \$20,000 per year for a maximum of three years and must be renewed annually.
- Due Dates:
 - ANA — Application are due March 1 annually.
 - ApA — Applications are due January 30 annually.
 - CSWE — Applications are due February or March annually.
 - APA — Applications are due in January annually.
 - AAMFT — Applications are due in March annually.

Relevant Agencies Not Currently Offering Graduate Student Funding

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 six primary divisions that address critical homeland security needs: Borders and Maritime Security; Chemical and Biological; Command, Control, and Interoperability; Explosives; Human Factors and Behavioral Sciences; and Infrastructure and Geophysical.

While DHS has offered graduate fellowships in the past, none will be available during the 2010 competition cycle. Undergraduate programs continue to be offered. Information about DHS education programs and areas of interest are at <http://www.orau.gov/dhsed/>.

National Endowment for the Humanities

The National Endowment for the Humanities (NEH) is the federal funding resource for traditional humanities projects and supports academic research and scholarship in this area. Additionally, NEH marries the concepts of humanities and digitization to ensure access and preservation of American culture. Currently the 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.

National Endowment for the Arts

The National Endowment for the Arts (NEA) is the federal resource which 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 for graduate students.