

Lewis-Burke Associates LLC

Federal Programs and Fellowships for Graduate Students

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Overview

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

The federal government programs listed within 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.

This guide was produced by Lewis-Burke Associates LLC on behalf of the Human Factors and Ergonomics Society (HFES). Lewis-Burke is a leading federal government relations firm in Washington, DC that assists HFES with the implementation of its public policy goals, which includes advocacy for human factors and ergonomics research, policy and regulations through outreach to Congress and Federal Agencies.

Department of Commerce

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

NIST Measurement Science and Engineering Fellowships

- 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. The University of Maryland (UM) and the University of Colorado-Boulder administer this program
- 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: For the graduate program, NIST provides \$30,000 per year for salary or the appropriate amount determined by the fellow's home institution. Funding for the program was provided under the American Recovery and Reinvestment Act (ARRA) of 2009 and is set to last until 2012.
- Due Date: The due date for the 2011-2012 school year have passed. There is no information about whether the program will continue after 2012. For more information on the fellowships offered by each institution, please see <http://www.nistfellows.umd.edu/> and <http://www.colorado.edu/nistfellows/>.

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

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 in the field for which they are applying.
- Citizenship: Applicants must be U.S. citizens.
- Award/Program Size: The DOD awarded approximately 200 new three-year graduate fellowships in April 2012. 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: The due date for the 2013 fellowship was December 18, 2012.

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

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 2012 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 \$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. SMART awards may range from one academic term to five academic years.
- Due Date: The application period for 2013 closed on December 17, 2012. Applications are expected to reopen in August 2013.
- 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/>

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 as well as a small supplement for domestic study. This program requires recipients to work for the federal government 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 as a domestic study supplement, and \$30,000 for combined overseas/domestic study.
- Due Date: The application deadline for 2013 is January 31, 2013.

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

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 Grants (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. Applicants should request full needs for tuition and fees. 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.

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

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

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

Individual Awards

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

Source: <http://grants.nih.gov/grants/guide/pa-files/PA-11-111.html>

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Predoctoral Fellowships 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. 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 varies. 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.

Source: <http://grants1.nih.gov/grants/guide/pa-files/PA-11-112.html>

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

- 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: The size and duration of awards varies. 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.

Source: <http://grants.nih.gov/grants/guide/pa-files/PA-11-110.html>

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-09-212.html>

Internships

AHRQ supports paid internships in the summer for both undergraduate and graduate level students interested in health services research. The internships are at AHRQ's office in Rockville, MD. Each summer AHRQ accepts about 20 students to the program, which provides a good opportunity to connect with practitioners in the health services research community. The internship usually runs from May through August. Currently there is not a website for the AHRQ Internship program because it has already started for 2012. Usually AHRQ begins its internship process in February. Information for the 2013 internship program will be posted on usajobs.gov.

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

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

- **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 2011, the Congressional appropriation was \$237.4 million. Foreign governments contributed an additional \$85.2 million in fiscal year 2010 in direct and in-kind support.
- **Due Date:** Applications for the 2013-2014 academic year were due October 17, 2012.

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

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 directorate explores the Earth, Sun, planets, and the universe. The Aeronautics mission directorate designs and tests new flight technologies that bolster exploration and lead to improved flight capabilities on Earth. The Exploration and Operations directorates concentrate on the International Space Station and developing new methods for human exploration in space. The Space Technology program 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

Space Technology Research Fellowships

- **Overview:** The Space Technology Research Fellowships support graduate and doctoral students pursuing research related to the development of technologies to support the future space science and exploration needs of NASA. The fellowship supports research at a fellow's home institution as well as supports time at NASA Centers, the Jet Propulsion Laboratory, and/or not-for-profit research and development laboratories.
- **Eligibility:** Students must be pursuing a master's or doctoral degree related to NASA research and development in the fields of science, technology, engineering, and mathematics (STEM). The Fellowship is available only to students who have not completed more than 24 months of full-time graduate study by one year in advance of the fellowship's start. For example, for the 2012 competition, students may not have completed more than 24 months of full-time graduate study by August 1, 2011.
- **Citizenship:** Applicants must be U.S. citizens 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 \$66,000. Awards may be renewed for three additional years of support.
- **Due Dates:** Applications were due January 11, 2012. Future due dates have not yet been announced.

Source: http://www.nasa.gov/offices/oct/early_stage_innovation/grants/

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 science, technology, engineering, and mathematics (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_Consortium_Websites.html

Jenkins Pre-doctoral Fellowship Project (JFPF)

- Overview: The Jenkins Pre-doctoral Fellowship Project (JFPF) seeks to grow the number of graduate degrees underrepresented persons (women, minorities, and persons with disabilities) receive in the science, technology, engineering, and mathematics (STEM) disciplines. 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 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 start at \$24,000 and for master's level fellows at \$18,000. Fellows also receive a tuition offset of \$8,500 per year.
- Due Dates: Applications were due February 1, 2012. Future due dates have not yet been announced.

Sources:

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

<http://www.uncfsp.org/cms/default.aspx?page=program.view&areaid=12&contentid=893&typeid=jpfp>

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

Integrative Graduate Education and Research Traineeship Program (IGERT)

- **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 (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:** IGERT awards to institutions can be up to \$700,000 per year for five years. NSF plans to make approximately 18 new and renewal IGERT awards in fiscal years 2011 and 2012. 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 as part of a competitive innovation incentive fund and for projects that include an international component.
- **Due Date:** Letters of Intent were due May 1, 2012, and Full Proposals were due July 2, 2012.
- **Special Attention:** There is a limit of one proposal that may be submitted by an institution either as a single institution or as a lead institution in a multi-institution preliminary proposal.
- **Special Attention:** NSF created a new Cyberinfrastructure Framework for 21st Century Science and Engineering (CIF21) track in IGERT. Institutions may submit one proposal to the CIF21 track in addition to the one proposal they are allowed to submit to the regular IGERT solicitation. Letters of Intent for the CIF21 track were due June 5, 2012 and full proposals were due August 6, 2012. Note that these dates are different than the due date for responses to the regular IGERT solicitation. More information, including the full solicitation and program contacts, is available at http://nsf.gov/funding/pgm_summ.jsp?pims_id=504772.

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

Federal Cyber Service: Scholarship for Service (SFS)

- **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. 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. 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 of information assurance and cybersecurity. The scholarships provide academic year stipends of \$25,000 per year for master's degree students and \$30,000 per year for doctoral 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 \$1,200 per year; a professional development allowance (travel, professional certification etc.) of \$1,300 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 four-year period.
- **Due Date:** The most recent due date for applications was April 17, 2012. The upcoming dates have not yet been announced.

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

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) 2013 for total FY 2013 funding of approximately \$2.25 million.
- Due Dates: Proposals are due the third Tuesday in August annually.

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

Doctoral Dissertation Enhancement Projects (DDEP)

This program, which used to be part of the International Research Experiences for Students (IRES) program, supported the dissertation research abroad of one doctoral student in collaboration with a foreign investigator. The Office of International Science and Engineering (OISE) is no longer managing a competition for DDEP awards. However, individual research directorates and divisions may still award these grants. Interested applicants should contact a program manager in their discipline to inquire about whether their division is funding DDEP awards.

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

Individual Awards

Graduate Research Fellowship Program (GRF)

- Overview: This program provides support for students in the early stages of their graduate or doctoral studies in science and engineering.
- 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 science, technology, engineering, and mathematics (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 awards for new fellowships in fiscal year 2012. For each year of support, NSF provides a stipend of \$30,000 to the Fellow and a cost-of-education allowance of \$12,000 to the degree-granting institution. NSF has proposed increasing stipend support to \$32,000 for FY 2013 in the FY 2013 budget request.
- Due Dates: Applications are typically due in 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

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

- **Overview:** This program awards grants to doctoral students to improve the quality of dissertation research. It provides supplemental funds to allow for significant data-gathering projects and to conduct field 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:** NSF intends to award an estimated 200 to 300 awards annually. Funds are to be used exclusively for necessary expenses incurred in the actual conduct of the dissertation research. Award sizes will vary widely by field so interested applicants should contact individual programs within SBE to obtain specific information about award sizes in their area. 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 and vary from January to October. 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.

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

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.
- **Due Date:** Applications were due February 10, 2012 for the current round of funding. Future deadlines have not been posted.

Source: <http://www.fhwa.dot.gov/tpp/ddetfp.htm>

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 several graduate fellowships in the past, none will be available during the 2012 competition cycle due to budget constraints on the Department. Undergraduate internship programs continue to be offered. Information about DHS education programs and areas of interest is at <http://www.orau.gov/dhsinternships/>.