

Fellowship Opportunities

ASME Graduate Teaching Fellowship

Overview: Provides support to encourage outstanding graduate students, especially women and minorities to pursue the doctorate in Mechanical Engineering and encourage engineering education as a profession. Fellowship awards are made for a maximum of two years.

Eligibility: 1) Applicants must be U.S. citizens or permanent residents; 2) received an undergraduate degree from an ABET accredited program; 3) and be a student member of ASME.

Deadline: October 15

URL: http://www.asme.org/Education/College/FinancialAid/Graduate_Teaching_Fellowships.cfm

Hertz Graduate Fellowship Program

Overview: The Graduate Fellowship award is based on merit and consists of a stipend plus support for full tuition and fees.

Eligibility: Eligible applicants must be students of the applied physical, biological, and engineering (including computational) sciences. Applicants must be U.S. citizens or permanent residents. Applicants may be college seniors wishing to pursue the Ph.D. or first-year graduate students.

Deadline: October 29, 2010

URL: <http://www.hertzfoundation.org/>

GEM Fellowship Program

Overview: Provides privately funded fellowships to student underrepresented students in science, engineering, computer science, and mathematics.

Eligibility: Must be underrepresented (Black/African American, Hispanic/Latino, Native American). **Only US citizens are eligible to apply**

Deadline: November 1

URL: <http://www.gemfellowship.org/>

Presentation:

USF CoE Recipients/Alumni: Kathryn Bailey (CEE), Natasha Cover (BME), Michael Grady (EE), Eric Huey (EE), Adebola Osuntogun (CSE – Georgia Tech), Andrea Rocha (CEE), John Shelton (ME)

Ford Foundation Diversity Fellowship Program

Overview: Program seeks to increase the diversity of the nation's college and university faculties by increasing their ethnic and racial diversity.

Eligibility: Open to U.S. citizens in research-based Ph.D. or Sc.D. programs in science, engineering, mathematics, humanities, and social sciences. Practice oriented degree programs are not eligible for support

Deadline: November 1 (Predoctoral); November 8 (Dissertation); November 8 (Postdoctoral)

URL: <http://sites.nationalacademies.org/pgafordfellowships/>

Presentation:

USF CoE Recipients/Alumni: Brandon Henry (BME), Julio Medrano (EE), Adebola Osuntogun (CSE – Georgia Tech), Dorielle Price (EE)

NRC Research Associateship Postdoctoral Program

Overview: Provides postdoctoral fellowships at sponsoring federal laboratories and affiliated institutions. Reviews are conducted four times per each and review result results are available 6-8 weeks following the application deadline:

Eligibility: Citizenship requirements vary depending upon the sponsoring federal laboratory. Applicants should refer to specific details of citizenship requirements for the laboratory to which they are applying.

Deadlines: November 1, February 1, May 1, August 1

URL: <http://sites.nationalacademies.org/PGA/RAP/index.htm>

Presentation:

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EPA Science To Achieve Results (STAR) Fellowships For Graduate Environmental Study

Overview: The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, provides Graduate Fellowships for master's and doctoral level students in environmental fields of study: Master's level students may receive support for a maximum of two years. Doctoral students may be supported for a maximum of three years, usable over a period of five years. The fellowship program provides up to \$42,000 per year of support per fellowship:

Eligibility: Must be U.S. citizen or permanent resident.

Deadline: November 5

URL: http://epa.gov/ncer/rfa/2011/2011_star_gradfellow.html

Presentation:

NSF East Asia Pacific Summer Institutes (EAPSI) Fellowship

Overview: The East Asia and Pacific Summer Institutes provide U.S. graduate students in science and engineering 1) first hand research experience in Australia, China, Korea, New Zealand, Singapore or Taiwan; 2) introduction to the science and science policy infrastructure of the respective location; and 3) orientation to the society, culture and language.

Eligibility: Students must be US citizens or permanent residents enrolled in a research-oriented M.S. or PhD program in engineering, computer science, life sciences, or the physical sciences.

Deadline: November 10

URL: <http://www.nsf.org/>

Presentation:

USF CoE Recipients/Alumni: Helen Benjamin (EE), Derek Lura (ME), Al-Aakhir Rogers (EE)

American Association of University Women (AAUW) Dissertation Fellowship

Overview: The purpose of the fellowship is to offset a scholar's living expenses while she completes her dissertation. The fellowship must be used for the final year of writing the dissertation.

Eligibility: U.S. citizens or permanent residents only. Applicants must have completed all coursework, passed preliminary exams, and had the dissertation research proposal or plan approved by the application deadline date. The doctoral degree must be completed no earlier than of the April 1 of the next academic year and no later than June 30 of the next academic year.

Deadline: November 15

URL: http://www.aauw.org/learn/fellowships_grants/index.cfm

National Science Foundation Graduate Research Fellowship Program (GRFP)

Overview: Provides three-year fellowships for students in the life sciences, physical sciences, social sciences, engineering, and computational sciences.

Eligibility: Must be either US citizens or permanent residents. Students should be in their senior year or in first/second year of graduate program.

Deadline: November 16 (Engineering), November 18 (Computer Science)

URL: <http://www.nsfgrfp.org/>

Presentation:

USF CoE Recipients/Alumni: Frank Alexander, Jr. (EE), Helen Benjamin (EE), James Cooper (EE), Leo Gomez (EE – MIT), Suzette Presas (EE – Wisconsin-Madison), Adebola Osuntogun (CSE – Georgia Tech), Dorielle Price (EE), Tony Price (EE), Joseph Register (EE), Heather Wright Wendel (CEE)

National Physical Science Consortium (NPSC) Fellowship Program

Overview: Provides support for students in the physical sciences, engineering, and computer science, and mathematics

Eligibility: US citizens only. Must be in senior undergraduate year or first or second year of a graduate program. Dissertation support is also available for advanced graduate students.

Deadline: November 30

URL: <http://www.npsc.org/>

Fellowship Opportunities

U.S. Department of Energy Office of Science Graduate Fellowship Program

Overview: Provides financial support to students pursuing graduate training in basic research areas of physics, biology, chemistry, mathematics, engineering, computational sciences, and environmental science relevant to the U.S. Department of Energy Office of Science and to encourage the development of the next generation of scientific and technical talent in the country.

Eligibility: Only U.S. citizens are eligible to apply. Applicants must be an undergraduate senior, or first or second year graduate student in a Master's or Ph.D. research-oriented program.

Deadline: TBD

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

Department of Defense Science, Mathematics, and Research Transformation (SMART) Scholarship for Service

Overview: Provides opportunities for students pursuing undergraduate or graduate degrees in science, technology, engineering, and mathematics (STEM) disciplines to receive full scholarship and employee upon degree completion

Eligibility: Must be US citizens to apply. Undergraduates and graduate students should apply at any time.

Deadline: December 1

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

UNCF MERCK Undergraduate Scholarship/Graduate Dissertation/Postdoctoral Fellowship Program

Overview: Provides one-year undergraduate scholarships up to \$25,000 per year, plus two paid summer internships at MERCK research laboratory; 2) Provides dissertation fellowship award of up to \$53,000 for doctoral candidates to complete dissertation research in biological, chemical, or bioengineering related graduate program; 3) Provides postdoctoral fellowship of up to \$92,000, plus mentoring and networking opportunities

Eligibility: Must be African American students. Only U.S. citizens are eligible to apply.

Deadline: December 15

URL: <http://umsi.uncf.org/>

USF CoE Recipients/Alumni: Erick Maxwell (EE)

National Defense Science and Engineering Graduate (NDSEG) Fellowship

Overview: The National Defense Science and Engineering (NDSEG) is a highly competitive, portable fellowship to students who intend to pursue graduate study in engineering, computer science, life science, geosciences, mathematics, and the physical sciences.

Eligibility: Must be U.S. citizens, permanent residents are not eligible to apply. Applicants must also be enrolled in the final year of undergraduate studies or have completed less than two full-time years of graduate study in the discipline in which they are applying.

Deadline: December 17

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

American Association of University Women (AAUW) Selected Professions Fellowship Program

Overview: Awarded to applicants who intend to pursue a full-time study in one of the designated degree programs where women's participation traditionally has been low (Engineering – MS; Computer Science – M.S.;

Eligibility: Open only to women who are U.S. citizens or permanent residents in the designated degree programs

Deadline: January 10, 2011

URL: http://www.aauw.org/learn/fellowships_grants/selected.cfm

U.S. Department of Energy Computational Science Graduate Fellowship (DoE CSGF)

Overview: The Department of Energy Computational Science Graduate Fellowship (DOE CSGF) program provides fellowships to students pursuing a PhD in scientific or engineering disciplines with an emphasis in high-performance computing.

Eligibility: Applicants must be either U.S. citizens or permanent resident. Applicants must be in their first or second year of graduate study in the physical, engineering, computer, mathematical, or life sciences. Exceptional senior undergraduates may also apply.

Deadline: January 11, 2011

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

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McKnight Doctoral Fellowship Program:

Overview: Program is designed to address the under-representation of African American and Hispanic faculty at colleges and universities in the state of Florida by increasing the pool of citizens qualified with Ph.D. degrees to teach at the college and university levels. As a by-product, it is expected that employment opportunities in industry will also be expanded. The program provides 5-year fellowships for underrepresented students in the amount of \$12,000 per year plus full tuition/fees.

Eligibility: Open to incoming (first-year) doctoral students who are African-American/Black and Hispanic/Latino students. Applicants must be US citizens at the time of applications.

Deadline: January 15

URL: <http://www.fefonline.org/mdf.html>

USF CoE Recipients/Alumni: Veronica Aponte (CEE), Evelyn Benabe (EE), Quenton Bonds (EE), Natasha Cover (BME), Fedena Fanord (ChE), Michael Grady (EE), Brandon Henry (EE), Deidra Hodges (EE), Ransford Hyman, (CSE), Erick Maxwell (EE), Erlande Omisca (CEE), Ophir Ortiz (EE), Dorielle Price (EE), Tony Price (EE), Javier Pulecio (EE), Issa Ramirez (ME), Al-Aakhir Rogers (EE), Mark Witherspoon (EE)

USF Presidential Fellowship

Overview: Available to new doctoral students with exceptional academic credentials

Eligibility: New PhD students enrolled within all USF graduate departments/disciplines. International students are eligible to apply. Support is for five years with \$25,000 annual stipend, full tuition/fees, and health insurance. Must be nominated by the graduate department.

Deadline: February 1

URL: <http://www.grad.usf.edu/grants.asp>

USF CoE Recipients/Alumni: Jayita Das (EE), Alexandra Villalba Oliveros (EE)

USF Graduate School Diverse Student Success Fellowship Program

Overview: Applicants should be academically talented students who contribute diversity in USF graduate programs. Provides 3-year fellowship award in the amount of \$12,000 per year plus tuition waiver.

Eligibility: Open for MS and PhD students enrolled within all USF graduate departments/disciplines. Applicants must be either US citizens or permanent residents to apply.

Deadline: February 1

URL: <http://www.grad.usf.edu/grants.asp>

USF CoE Recipients/Alumni: Shamima Afroz (EE), Kathryn Bailey (CEE), Joniqua Howard (CEE), Jonathan Mbah (ChE), Roland Okwen (CEE), Jose Rey (ChE), Andrea Rocha (CEE)

NASA Harriett Jenkins Pre-doctoral Fellowship Program

Overview: Program to increase the number of women, minorities, and person with disabilities participating in the science, technology, engineering, and mathematics (STEM) workforce.

Eligibility: Must be US citizens.

Deadline: February 1

URLs: http://www.nasa.gov/audience/forstudents/postsecondary/features/F_Harriett_Jenkins_Fellowship_Program.html
<http://intern.nasa.gov/>

USF CoE Recipients/Alumni: Quenton Bonds (EE)

NASA Graduate Student Researchers Program (GSRP)

Overview: Provides fellowships for graduate study leading to masters or doctoral degrees in the fields of science, mathematics, and engineering related to NASA research and development.

Eligibility: Must be U.S. citizens to apply. Permanent residents are ineligible. Students may apply in their senior year or at any time during their graduate program. Students are advised to review listed research opportunities align with thesis/dissertation research/major professor's research interests and then contact the listed NASA technical advisor for guidance on the submission of the required research proposal.

Deadline: March 1

URLs: <http://fellowships.hq.nasa.gov/gsrp/nav/>; <http://intern.nasa.gov/>

USF CoE Recipients/Alumni: Quenton Bonds (EE), Charles Chandler (EE), David Cure (EE)

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U.S. Department of Transportation Eisenhower Transportation Fellowship Program

Overview: Provides funding for the pursuit of the M.S. or Ph.D. in transportation related disciplines. The program objective are 1) to attract the nation's brightest minds to the field of transportation, 2) to enhance the careers of transportation professionals by encouraging them to seek advanced degrees and 3) to retain top talent in the transportation industry of the United States.

Eligibility: Open to US citizens, permanent residents, and international students conducting or planning to conduct research in one or more transportation-related disciplines, and should be planning to enter the transportation profession after completing their education.

Deadline: TBD

URL: <http://www.fhwa.dot.gov/ugp/index.htm#FellowshipsFandI>

NIH Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowship Program to Promote Diversity in Health-Related Research (F31 - Diversity)

Overview: The purpose of this individual predoctoral research training 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.

Deadline: April 13, August 13, December 13

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

NIH Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowship Program (F31)

Overview: The purpose of the 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.

Eligibility: Open to US citizens and permanent residents

Deadline: April 8, August 8, December 8

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

USF CoE Recipients/Alumni: Eva Williams (ChEBME)

USF Alfred P. Sloan Minority Ph.D. Program

Overview: Provides privately funded fellowships for minority doctoral students in science, technology, engineering, and mathematics disciplines.

Eligibility: Must be U.S. citizens to apply. Students must be African American/Black or Hispanic/Latino. Students must be admitted or enrolled in the PhD program in one of four participating departments in the USF College of Engineering (**Chemical and Biomedical Engineering, Civil & Environmental Engineering, Electrical Engineering, Mechanical Engineering**). Students must have earned 30 graduate hours of coursework or an M.S. in science, engineering, or mathematics discipline at the time of application.

Deadline: Rolling

URL: <http://sloan.eng.usf.edu/>

USF CoE Recipients/Alumni: See website

USF NSF Florida Georgia Louis Stokes Alliance Bridge to the Doctorate Program

Overview: Provides two-year NSF or USF funded fellowships for former LSAMP participants who are pursuing the PhD within the College of Engineering.

Eligibility: 1) Must be U.S. citizens or permanent residents; 2) Students must have participated in LSAMP project activities; 3) Graduated from an LSAMP member institution, and 4) Earned a degree in science, engineering, technology, or mathematics (STEM) discipline.

Deadline: Based upon the availability of funding

URL: Website is under construction

USF CoE Recipients/Alumni: See website