OPPORTUNITIES FOR STUDENTS
IN
STEM DISCIPLINES

The opportunities listed below are organized in the following groups:

- Opportunities open to Undergraduates
  - Research opportunities
  - Scholarship opportunities
- Opportunities open to Undergraduate and Post-graduate students
  - Research opportunities
  - Scholarship opportunities
- Opportunities open to Post-graduate students
  - Research opportunities
  - Scholarship opportunities
- Other Post-Graduate Opportunities
  - Overview of the major post-graduate scholarships that invite applications from students in all disciplines.

Opportunities for Undergraduates

UNDERGRADUATE RESEARCH OPPORTUNITIES

AGEP - Alliance for Graduate Education and the Professoriate (RESEARCH)


Description: The Alliance for Graduate Education and the Professoriate (AGEP) seeks to join together universities and colleges in the common mission of increasing the number of underrepresented minority students earning PhDs and positioning minority students to become leaders in science, technology, engineering and mathematics (STEM) fields. AGEP-affiliated institutions offer summer undergraduate research opportunities in a range of STEM disciplines and some opportunities in the behavioral sciences.

Deadline: Varies

Link: http://www.pathwaystoscience.org/programs.asp?descriptorhub=AGEP_AGEPE20-%20Alliance%20for%20Graduate%20Education%20and%20the%20Professoriate
**Amgen Scholars Program**  (RESEARCH)

**Opportunity for:** Undergraduates in STEM disciplines interested in PhD or MD/PhD

**Description:** Opportunity to participate in important university research project at major research institutions – California Institute of Technology; Columbia University/Barnard College; Massachusetts Institute of Technology; Stanford University; University of California, Berkeley, University of California, Los Angeles; University of California, San Diego; University of California, San Francisco; University of Washington; Washington University in St. Louis – and gain valuable hands-on laboratory experience. Amgen Scholars have the opportunity to work with some the nation’s top academic scientists, attend seminars and workshops, and network with other undergraduates.

**Deadline:** Feb. 1 / except CalTech – Feb.15

**Link:** [www.amgenscholars.com](http://www.amgenscholars.com)

**DAAD Research Internship in Science and Engineering (RISE)**  (RESEARCH)

**Opportunity for:** Undergraduates in STEM disciplines

**Description:** The DAAD Research Internship in Science and Engineering (RISE) is a summer internship program for undergraduate students from the United States, Canada and the UK in the fields of biology, chemistry, physics, earth sciences and engineering. It offers unique opportunities for undergraduate students to work with research groups at universities and top research institutions across Germany for a period of 2 to 3 months during the summer. RISE interns are matched with doctoral students whom they assist and who serve as their mentors. The working language will be English. All scholarship holders receive stipends from the DAAD to help cover living expenses, while partner universities and research institutes provide housing assistance.

**Deadline:**

**Link:** [http://www.daad.de/rise/en/](http://www.daad.de/rise/en/)

**Leonard Reiser Fellowship in Science, Technology, and Global Security**  (RESEARCH)

**Opportunity for:** Undergraduates interested in Science, global security, and public policy

**Description:** The Reiser Fellowships provides students with $4,000 to pursue projects that explore issues at the intersection of science, global security, and public policy, focusing on a significant aspect of nuclear security, climate stabilization or biotechnology.

**Deadline:** April 1
MHD Undergraduate Summer Research (RESEARCH)

Opportunity for: Underrepresented undergraduates interested in pursuing graduate education in a biomedical field (Biology, Biochemistry, Chemistry, Molecular and Cellular Biology, Microbiology, Nutritional Sciences)

Description: Summer research experience for students from underrepresented groups interested in careers in biomedical research, with a focus on minority health disparities. 10 weeks, $4,000 stipend, research credit, on-campus housing available.

Deadline: Jan

Link: http://www.grad.arizona.edu/mhd

NASA Undergraduate Student Research Program (RESEARCH)

Opportunity for: Undergraduates in Engineering, mathematics, computer science, or physical sciences or life sciences.

Description: NASA USRP is an internship program that offers NASA research and development opportunities to undergraduate students. USRP internship opportunities give students the ultimate workforce preparatory experience for careers in Science, Technology, Engineering and Mathematics (STEM). USRP is one of most highly comprehensive internship programs for undergraduate students within the STEM majors. Students work on practical problems that will see real applications in aerospace or on future NASA missions. These immersive NASA opportunities combine scientific research with professional hands-on engineering. A USRP internship will be the first step toward a career at NASA, or within the science and engineering workforce. USRP internship opportunities are offered year round in the Fall, Summer and Spring. US citizens who are in their Sophomore, Junior or Senior year, majoring or concentrating in engineering, mathematics, computer science, or physical sciences or life sciences, have a demonstrated interest/commitment to one of the above career fields or disciplines, and a minimum GPA of 3.0 on a scale of 4.0.

Deadline: Oct. 11

Link: http://usrp.usra.edu/

National Science Foundation Research Experiences for Undergraduates (REUs) (RESEARCH)
Opportunity for: Undergraduates in STEM disciplines

Description: Various paid summer research opportunities - for a searchable list of the summer opportunities consult the website

Deadline: Varies
Link: http://www.nsf.gov/crssprgm/reu/

DHS Summer Research Experience (INTERNSHIP)

Opportunity for: Undergraduates in Homeland Security related science, technology, engineering and mathematics (HS-STEM) disciplines

Description: The U.S. Department of Homeland Security (DHS) sponsors a 10-week summer internship program for rising juniors and seniors majoring in homeland security related science, technology, engineering and mathematics (HS-STEM) disciplines. The DHS HS-STEM Summer Internship Program provides students with the opportunity to conduct research in DHS mission-relevant research areas at federal research facilities located across the country. The goal of this program is to engage a diverse, educated, and skilled pool of scientists and engineers in HS-STEM issues and to promote long-term relationships between student researchers, the DHS Science and Technology (S&T) Directorate, and federal research facilities to enhance the HS-STEM workforce. DHS has partnered with Oak Ridge Institute for Science and Education (ORISE) to manage the application and review process, notification, and implementation of the program. The DHS Science and Technology Directorate reviews applications and makes the final award selections. The program provides a stipend of $500 each week ($5,000 for 10 weeks) payable every two weeks, and transportation expenses for one round trip between the student’s current or home address and the assigned federal research facility, with some limitations.

Deadline: Jan. 5
Link: www.orau.gov/dhsinternships/#description

UNDERGRADUATE SCHOLARSHIP OPPORTUNITIES

Barry M. Goldwater Scholarship (SCHOLARSHIP/FELLOWSHIP)

Opportunity for: Undergraduate in STEM disciplines

Description: The Goldwater Scholarship provides up to $7,500 annually to rising juniors and rising seniors who have outstanding potential and intend to pursue careers in mathematics, the natural sciences, or engineering. Each scholarship covers eligible expenses for undergraduate tuition, fees, books, and room and board.

Deadline: SLU: Nov. 1 ; Final: Jan 29
Link: www.act.org/goldwater/
Morris K. Udall Scholarship (SCHOLARSHIP/FELLOWSHIP)

Opportunity for: Undergraduates interested in Environmental Study and Issues

Description: The Morris K. Udall Scholarship Foundation awards 80 scholarships of up to $5000 and 50 honorable mentions of $350 to sophomore and junior level college students committed to careers related to the environment, tribal public policy, or Native American health care. Candidates must be committed to a career related to the environment, OR committed to a career in tribal public policy, OR Native American health care; be a matriculated sophomore or junior-level student at a two-year or four-year accredited institution of higher education, and pursuing a bachelor’s or associate's degree during the 2011-2012 academic year; have a college grade-point average of at least a "B" or the equivalent; and be a U.S. citizen, U.S. national, or U.S. permanent resident.

Deadline: SLU: Jan. 10 Final: March 2

Link: www.udall.gov

National Institutes of Health Undergraduate Scholarship Program (SCHOLARSHIP/FELLOWSHIP)

Opportunity for: Undergraduates interested in Bio-medical Research

Description: The NIH Undergraduate Scholarship Program provides up to $20,000/year (renewable) for students from disadvantaged backgrounds who are interested in careers in biomedical, behavioral, or social science health-related research.

Deadline: Feb. 1

Link: https://www.training.nih.gov/programs/ugsp

National Oceanic and Atmospheric Administration (NOAA) Hollings Scholarship (SCHOLARSHIP/FELLOWSHIP)

Opportunity for: Undergraduate Sophomores with a declared major in a discipline including, but not limited to, oceanic, environmental, biological, and atmospheric sciences, mathematics, engineering, remote sensing technology, physical and social sciences including geography, physics, hydrology, geomatics, or teacher education that support NOAA's programs and mission.

Description: The Hollings Scholarship Program provides successful undergraduate applicants with awards that include academic assistance (up to a maximum of $8,000 per year) for full-time study during the 9-month academic year; a 10-week, full-time internship position ($650/week) during the summer at a NOAA facility; and, if reappointed, academic assistance (up to a maximum of $8,000) for full-time study during a second 9-month academic year. The internship between the first and second years of the award provides the Scholars with "hands-on"/
practical educational training experience in NOAA-related science, research, technology, policy, management, and education activities. Awards also include travel funds to attend a mandatory NOAA Scholarship Program orientation, conferences where students present a paper or poster, and a housing subsidy for scholars who do not reside at home during the summer internship.

Deadline: Feb. 4  
Link: www.oesd.noaa.gov/Hollings_info.html

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**National Space Club Goddard Memorial Scholarship** (SCHOLARSHIP/FELLOWSHIP)

**Opportunity for:** Undergraduates interested in Space Research

**Description:** The National Space Club awards a $10,000 scholarship each year, in memory of Dr. Robert H. Goddard, America's rocket pioneer. The award is given to stimulate the interest of talented students in the opportunity to advance scientific knowledge through space research and exploration.

Deadline: Jan. 3  
Link: www.spaceclub.org/programs/goddard.html

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**UNCF/Merck Undergraduate Science Research Scholarship Award**

(SCHOLARSHIP/FELLOWSHIP)

**Opportunity for:** Undergraduate, African American Juniors with a 3.3+GPA and majoring in the life sciences, physical sciences, or engineering majors

**Description:** The UNCF/Merck Undergraduate Science Research Scholarship provides up to $30,000 to students pursuing degrees and careers in the life or physical sciences or engineering. Candidates must be juniors with minimum 3.3 gpa.

Deadline: Varies

Link: http://umsi.uncf.org/sif#ScienceResearchScholarshipAwards

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**Whitaker Undergraduate Scholarship Program** (SCHOLARSHIP/FELLOWSHIP)

**Opportunity for:** Undergraduates in Bio-medical Engineering / Bio-engineering

**Description:** The Whitaker Undergraduate Scholarship Program is designed for second, third and fourth year biomedical engineering students from U.S. institutions to study biomedical engineering abroad for one semester or an academic year. The program supports scholarships for BME undergraduates from US institutions, in their sophomore, junior or senior year, with at least one semester remaining before graduation, who are interested in a period of study abroad.
Awards are made for semester or academic year programs - no summer programs. The Scholarship provides up to $7,500 scholarship for one semester/academic term or up to $10,000 scholarship for the academic year.

Deadline: Jan. 24  
Link: www.whitaker.org

OPPORTUNITIES FOR UNDERGRADUATES AND POST-GRADUATES

RESEARCH OPPORTUNITIES FOR UNDERGRADUATES AND POST-GRADUATES

NASA Aeronautics Scholarship Program (RESEARCH)


Description: Through the Aeronautics Scholarship Program (ASP), the National Aeronautics and Space Administration (NASA) offers fellowships to undergraduates and graduates with the potential to become our nation's research leaders of tomorrow: Undergraduate awards: $15,000 awarded for each school year, to be used for educational related expenses; $10,000 Summer internship at a NASA Research Center; and 2 years of support. Graduate awards: $35,000 stipend; $11,000 awarded each year, to be used for educational related expenses; $10,000 Summer internship at a NASA Research Center; and 2 years of support, with an option for a 3rd year.

Deadline: Mid-Jan  
Link: http://nasa.asee.org/

National Network for Environmental Management Studies (RESEARCH)

Opportunity for: Undergraduates & Post-Graduates in Environmental Studies

Description: The NNEMS program provides students with practical research opportunities and experiences in an EPA office or laboratory, works to increase public awareness of and involvement in environmental issues, and encourage qualified individuals to pursue environmental careers. The program provides research stipends to help defray the costs associated with the pursuit of academic programs related to the field of environmental protection, such as pollution control, science, engineering, technology, social science, and specialty areas. Each year, the NNEMS program offers fellowships developed and sponsored by
the EPA Headquarters office in Washington, D.C. and in the EPA’s 10 regional offices and laboratories throughout the United States. The projects are specifically narrow in scope, allowing students to complete the fellowship while working full-time at the EPA during the summer or part-time during the school year. Recipients of NNEMS fellowships receive a stipend based on the student’s level of education and the duration and location of the project.

**Deadline:** January  
**Link:** [www.epa.gov/enviroed/NNEMS](http://www.epa.gov/enviroed/NNEMS)

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**American Geological Institute** (POLICY INTERNSHIP)

**Opportunity for:** Undergraduates & Post-Graduates in Geoscience disciplines

**Description:** AGI Geoscience Policy offers summer and semester internship opportunities for geoscience students (undergraduates and Masters students) with an interest in public policy and in how Washington impacts the geoscience community. Interns gain a first-hand understanding of the legislative process and the operation of executive branch agencies. They also hone writing, research, and web publishing skills. 14wks (Spring term) / $5,000 stipend

**Deadline:** Summer: March 15; Fall: April 15; Spring: Oct. 15

**Link:** [http://www.agiweb.org/gap/interns/index.html](http://www.agiweb.org/gap/interns/index.html)

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**SCHOLARSHIPS FOR UNDERGRADUATE AND POST-GRADUATE STUDENTS**

**American Meteorological Society Awards** (SCHOLARSHIP/FELLOWSHIP)

**Opportunity for:** Undergraduates & Post-Graduates in STEM disciplines

**Description:** The American Meteorological Society (AMS) administers an array of graduate fellowships and undergraduate scholarships with the support of its members, corporations, and government agencies nationwide. The fellowships and scholarships help further the education of outstanding graduate and undergraduate students pursuing a career in the atmospheric and related oceanic or hydrologic sciences. Awards include The Father James B. Macelwane Annual Award ($1,000), The AMS Minority Scholarships (up to $6,000 over 2 years), and additional awards for seniors entering graduate school and graduate students pursuing graduate studies.

**Deadline:** Varies  

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**Horizon Scholarship: Women in Defense** (SCHOLARSHIP/FELLOWSHIP)
Opportunity for: Undergraduates & Post-Graduates in following preferred fields of study: security studies, military history, government relations, engineering, computer science, physics, mathematics, business (as it relates to national security or defense), law (as it relates to national security or defense), international relations, political science, and economics.

Description: The HORIZONS Scholarship - Women In Defense encourages women to pursue careers related to the national security and defense interests of the United States and to provide development opportunities to women already working in national security and defense fields. The scholarship is designed to provide financial assistance to further educational objectives of women who are U.S. citizens either employed or planning careers in defense or national security areas. (This is not law enforcement or criminal justice.) The amount of the awards varies each year.

Deadline: July 1

Link: http://wid.ndia.org/horizon/Pages/default.aspx

Science, Mathematics, and Research for Transformation (SMART) (SCHOLARSHIP/FELLOWSHIP)


Description: The Science, Mathematics And Research for Transformation (SMART) Scholarship for Service Program has been established by the Department of Defense (DoD) to support undergraduate and graduate students pursuing degrees in Science, Technology, Engineering and Mathematics (STEM) disciplines. The program aims to increase the number of civilian scientists and engineers working at DoD laboratories. Candidates should be pursuing degrees/careers in the following fields: 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. The SMART Scholarship provides: Full tuition and education related fees (does not include items such as meal plans, housing, or parking); a cash award paid at a rate of $25,000 - $38,000 depending on degree pursuing (may be prorated depending on award length); 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.
**Society of Women Engineers (SCHOLARSHIP/FELLOWSHIP)**

**Opportunity for:** Undergraduates & Post-Graduates in Engineering

**Description:** Various opportunities - SWE Scholarships support women pursuing ABET-accredited baccalaureate or graduate programs in preparation for careers in engineering, engineering technology and computer science in the United States and Mexico.

**Deadline:** Feb. 15  
**Link:** [www.swe.org/scholarships](http://www.swe.org/scholarships)

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**OPPORTUNITIES FOR POST-GRADUATES**

**POST-GRADUATE RESEARCH OPPORTUNITIES**

**NIH Graduate Partnerships Program in Biomedical Sciences (RESEARCH)**

**Opportunity for:** Post-Graduates in Bio-medical Research

**Description:** The NIH Graduate Partnerships Program (GPP) allows participants to take advantage of the best of two worlds - the academic environment of a university and the breadth and depth of research at the NIH. The goal is to create a different kind of graduate experience, one that focuses on training the next generation of scientific leaders by emphasizing communication and collaboration skills, integration of information, and interdisciplinary investigation.

**Deadline:** Varies  
**Link:** [www.training.nih.gov/programs/gpp](http://www.training.nih.gov/programs/gpp)

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**CDC/APHL Emerging Infectious Diseases Laboratory Fellowship (WORK (Biomedical Research))**

**Opportunity for:** Post-Graduates in Bio-medical Research

**Description:** The training fellowship is a one-year program for candidates with bachelor’s or master’s degrees. The fellowship program offers a wide variety of training and research experiences. Examples of projects include research in molecular genetics, pathogenesis, epidemiology and cell biology. Fellows may be trained in specific laboratory techniques such as real-time PCR, DNA sequencing and mass spectrometry. Fellows may receive specialized training and experience with a specific pathogen, or generalized training in influenza or STD surveillance,
newborn screening or chemical and biological warfare agents. Other work may include
diagnostic virology, bioanalytical chemistry, foodborne disease research including Pulsed Field
Gel Electrophoresis (PFGE), clinical and environmental diagnostics and epidemiologic studies of
disease outbreaks. The annual stipend (2011) is $32,722 for fellows with a bachelor’s degree;
$36,475 for fellows with a master’s degree; and $44,890 for fellows with a postdoctoral degree.
Fellows are also provided with comprehensive medical insurance, travel to the interviews,
orientation, and host laboratory and a professional development allowance.

**Deadline:** Feb. 11

**Link:** [http://www.aphl.org/mycareer/fellowships/eid/Pages/default.aspx](http://www.aphl.org/mycareer/fellowships/eid/Pages/default.aspx)

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**National Institutes of Health Oxford-Cambridge Scholars Program** *(RESEARCH)*

**Opportunity for:** Post-Graduates in Bio-medical Research

**Description:** The National Institutes of Health Oxford-Cambridge Scholars Program is an
accelerated, individualized doctoral training program for outstanding science students
committed to biomedical research careers. The program is based on the British system in which
students perform doctoral research without required formal courses other than those which
students choose to take in relationship to their own interests. Students selected for admission
to the program have already developed a sophisticated scientific background by having engaged
in research as undergraduates.

**Deadline:** Jan. 2  
**Link:** [http://oxcam.gpp.nih.gov/](http://oxcam.gpp.nih.gov/)

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**POST-GRADUATE SCHOLARSHIPS & FELLOWSHIPS**

**Amelia Earhart Fellowship - Zonta International** *(SCHOLARSHIP/FELLOWSHIP)*

**Opportunity for:** Post-Graduates in Aerospace-related sciences and engineering

**Description:** Amelia Earhart Fellowship: Women of any nationality pursuing a Ph.D./doctoral
degree who demonstrate a superior academic record in the field of aerospace-related sciences
and aerospace-related engineering are eligible. Established in 1938 in honor of famed pilot and
Zontian, Amelia Earhart, the Amelia Earhart Fellowship is awarded annually to women pursuing
Ph.D./doctoral degrees in aerospace-related sciences and aerospace-related engineering. The
Fellowship of US$10,000, awarded to 35 Fellows around the globe each year, may be used at
any university or college offering accredited post-graduate courses and degrees in these fields.
Department of Energy Office of Science Graduate Fellowship (DOE SCGF)  
(SCHOLARSHIP/FELLOWSHIP)

Opportunity for: Post-Graduates in STEM disciplines

Description: The fellowship award provides partial tuition support, an annual stipend for living expenses, and a research allowance for full-time graduate study and thesis/dissertation research at an accredited college or university in the United States or its territories for three years.

Deadline: January

Link: http://scgf.orau.gov/

GEM Fellowship (SCHOLARSHIP/FELLOWSHIP)

Opportunity for: Post-Graduates in Engineering

Description: GEM offers MS and Ph.D. level students an outstanding opportunity and access to dozens of the top Engineering and Science firms and Universities in the nation. The GEM Fellowship was designed to focus on promoting opportunities for individuals to enter industry at the graduate level in areas such as research and development, product development, and other high level technical careers. GEM also offers exposure opportunities to a number of opportunities in academe. Candidates are targeted for participation who are members of the following under-represented groups in science and engineering as defined by the United States Bureau of Labor Statistics: American Indian/Native, African American/Black, Hispanic American/Latino. GEM MS Engineering Fellows receive a stipend, which may be supplemented by the GEM Member University. GEM Fellows may be expected to accept a teaching or research assistantship. All Fellows receive full tuition and fees at the GEM Member University; MS Engineering Fellows receive a $4000 living stipend per semester up to the 4 semesters; Ph.D. Engineering and Ph.D. Science Fellows receive a $16,000 academic year stipend for one year.

Deadline: Early: Oct. 1; Final: Nov. 15

Link: www.gemfellowship.org/gem-fellowship/application-requirements

Hertz Foundation Graduate Fellowship (SCHOLARSHIP/FELLOWSHIP)

Opportunity for: Post-Graduates in Aeronautics / Astronautics / Applied Mathematics and Statistics / Applied Physics and Astronomy / Chemistry and Chemical Engineering / Computer
Science and Engineering / Earth and Geo Sciences / Electrical, Mechanical, Civil and Nuclear Engineering / Mate

Description: The Hertz Fellowship Program provide support to students of the applied physical, biological and engineering sciences who are citizens or permanent residents of the United States of America, and who are willing to morally commit to make their skills available to the United States in time of national emergency. The Foundation supports graduate students working towards the Ph.D. degree in the applied physical, biological and engineering sciences. These fields include applied mathematics, statistics, and quantitative aspects of modern biology. The Graduate Fellowship Award is based on merit (not need) and consists of a cost-of-education allowance and a personal-support stipend. College seniors wishing to pursue the Ph.D. degree in any of the fields of particular interest to the Foundation, as well as graduate students already in the process of doing so, may apply. The Fellowship provides full tuition renewable for 5 years and a $31,000/yr stipend.


Knowles Science Teaching Foundation Teaching Fellowships (SCHOLARSHIP/FELLOWSHIP)

Opportunity for: Post-Graduates in Science and Mathematics

Description: Fellows receive up to $10,000 in annual tuition assistance and a monthly stipend while they were working toward a teaching credential. Additional tuition support is available for summer coursework leading to a credential. Full-time teachers are eligible for small grants supplying classroom materials and support for a mentor-teacher relationship. All fellows receive funding for summer professional development and summer living stipends. KSTF also supports membership in a professional organization and travel to professional meetings.


Leland International Hunger Fellows Program (SCHOLARSHIP/FELLOWSHIP)

Opportunity for: Post-Graduates interested in issues related to food security, including Agricultural research, Nutrition, Advocacy, Climate change, and Enterprise development

Description: Leland Fellows are selected based on their demonstrated leadership qualities, experience, maturity, flexibility, and commitment to fighting hunger. Eligible candidates have spent at least one year working or volunteering in a developing country on issues related to hunger and poverty and possess a relevant graduate degree or equivalent experience.

Math for America (SCHOLARSHIP/FELLOWSHIP)

Opportunity for: Post-Graduates in Mathematics

Description: The Math for America Fellowship is a highly selective, five-year program where recent college graduates and mid-career professionals make a commitment to teach mathematics in public secondary schools. The Fellowship includes one year earning a master’s degree in education and four years teaching math and participating in MfA corps activities and professional development. MfA Fellows are mathematically sophisticated individuals who are new to teaching and use their talents to make a difference in students’ lives.

Deadline: Jan. 21 Link: www.mathforamerica.org/web/guest/mfa-fellows

National Defense Science and Engineering Graduate Fellowships (SCHOLARSHIP/FELLOWSHIP)

Opportunity for: Post-Graduates in STEM disciplines

Description: The National Defense Science and Engineering Graduate (NDSEG) Fellowship is a highly competitive, portable fellowship that is awarded to U.S. citizens and nationals who intend to pursue a doctoral degree in one of fifteen 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). NDSEG confers high honors upon its recipients, and allows them to attend whichever U.S. institution they choose. 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.

Deadline: Dec. 17 Link: www.asee.org/ndseg

National Physical Sciences Consortium Fellowship (SCHOLARSHIP/FELLOWSHIP)


Description: The National Physical Science Consortium is a partnership between government agencies and laboratories, industry, and higher education. NPSC's goal is to increase the number of American citizens with graduate degrees in the physical sciences and related engineering fields, emphasizing recruitment of a diverse applicant pool including women and minorities. The
NPSC Graduate Fellowship is unique in being: open to all American citizens; lasting for up to six years; providing a $20,000 annual stipend; covering tuition; allowing a fellow also to hold a research or teaching assistantship; including one or two paid summer internships with a government agency; providing a mentor and the opportunity for a lasting relationship with the sponsor. If you have interned, have been employed or are employed by a government agency or laboratory, ask your mentor or research supervisor to nominate you directly for an NPSC fellowship. The Traditional NPSC Fellowship provides support for up to six years, depending on degree sought and employer funding. Students may apply during their senior year in college, or in the first year or two of graduate school. NPSC also offers a Dissertation Fellowship.

**Deadline:** Nov. 30  
**Link:** [www.npsc.org](http://www.npsc.org)

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**National Science Foundation Graduate Research Fellowships (SCHOLARSHIP/FELOWSHIP)**

**Opportunity for:** Post-Graduates in the STEM disciplines

**Description:** The program recognizes and supports outstanding graduate students in NSF-supported science, technology, engineering, and mathematics disciplines who are pursuing research-based master's and doctoral degrees at accredited US institutions. Fellows receive approx. $12,000 for tuition and $30,000 in stipend for 3 years.

**Deadline:** Varies  
**Link:** [http://www.nsfgrfp.org/](http://www.nsfgrfp.org/)

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**Spencer T. Olin Fellowship for Women (SCHOLARSHIP/FELOWSHIP)**

**Opportunity for:** Post-Graduate Women in the following fields: Architecture, Art, Arts and Sciences, Business, Engineering, Medicine, Social Work

**Description:** The Spencer T. Olin Fellowship for Women provides for full tuition for up to 4 years for women studying in the following fields: Architecture, Art, Arts and Sciences, Business Engineering, Medicine, Social Work.

**Deadline:** Jan. 25  
**Link:** [www.artsci.wustl.edu/~olin](http://www.artsci.wustl.edu/~olin)

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**Woodrow Wilson Teaching Fellowship (SCHOLARSHIP/FELOWSHIP)**

**Opportunity for:** Post-Graduates in Mathematics, Science, and Engineering

**Description:** The Woodrow Wilson Teaching Fellowship program provides $30,000 fellowships to outstanding college graduates and career changers in science, technology, engineering, and math to complete an intensive, clinically-based master’s program at participating universities. In
return, Fellows commit to teach for at least three years in a high-need secondary urban or rural school in the partner state.

**Deadline:** Multiple deadlines

**Link:** http://www.wwteachingfellowship.org/
OTHER POST-GRADUATE SCHOLARSHIPS

Students in the STEM disciplines with strong academic records, significant research achievement and/or potential, and demonstrated leadership in their field of study or in the community can be good candidates for international post-graduate scholarships. Students typically apply for these opportunities in the Fall semester of their senior year.

• Marshall Scholarship

For two years of study in the United Kingdom in any field. Candidates should excel as scholars, as leaders and as contributors to improved UK-US understanding. Assessment is based on academic merit, leadership potential and ambassadorial potential. Preference will be given to candidates who combine high academic ability with the capacity to play an active part in the life of the United Kingdom university to which they go, and to those who display a potential to make a significant contribution to their own society. The Marshall Scholarship provides university fees, cost of living expenses, annual book grant, thesis grant, research and daily travel grants, fares to and from the United States and, where applicable, a contribution towards the support of a dependent spouse. www.marshallscholarship.org/

• Mitchell Scholarship

For one year of study in Ireland in any field. Candidates should have significant achievement in three areas: academic excellence, leadership, and commitment to community and public service. The Mitchell Scholarship provides tuition, housing, a stipend for living expenses, and an international travel stipend. http://www.us-irelandalliance.org/content/368/en/Scholarships/Application%20is%20Open.html

• Rhodes Scholarship

For two years of study in the UK at Oxford University. Candidates are chosen not only for their outstanding scholarly achievements, but for their character, commitment to others and to the common good, and for their potential for leadership in whatever domains their careers may lead. The Rhodes Scholarship provides all educational costs (tuition and fees), stipend for living expenses, and travel to and from Oxford. www.rhodesscholar.org

• Gates Cambridge Scholarship

For up to three years study in the UK at Cambridge University. Candidates will have outstanding intellectual ability, leadership potential, a commitment to improving the lives of others, and present a good fit between their qualifications and aspirations and the postgraduate program for which they are applying. The Gates Cambridge Scholarship provides all educational costs (tuition and fees), stipend for living expenses, travel to and from Cambridge, and miscellaneous (conference, field work, etc.) funding support as well. http://www.gatescambridge.org/
Fulbright Grant

For one-year of international study, research or teaching in a country of the candidate's choice. Candidates are B.S./B.A. graduates, master’s and doctoral candidates, and young professionals and artists opportunities who are interested in planning their own project. Projects may include university coursework, independent library or field research, classes in a music conservatory or art school, special projects in the social or life sciences, or a combination. Several countries also offer English Teaching Assistant positions. The Fulbright Program offers invaluable opportunities to meet and work with people of the host country, sharing daily life as well as professional and creative insights, and provides a grant to support the completion of the candidate's project. http://us.fulbrightonline.org/