

Fellowships for Math, Science, and Engineering Students

If you are interested in learning more about any of the fellowships and/or applying for one of these scholarships, please contact the Fellowships Office to make an appointment. Christine.Compston@wwu.edu or 360-650-4241.

The Fellowships Office has information about a number of internships for students majoring in math and science. Please feel free to drop by the office for more information.

Undergraduate

American Geological Institute: Minority Participation Program

Students majoring in geoscience with verifiable ethnic minority status and demonstrable financial need are eligible to apply for this scholarship, which provides funding for undergraduate education as well as professional development experiences.

Deadline: Mid March

Website: <http://www.agiweb.org/mpp/>

American Women in Science

The Educational Foundation funds female undergraduates in their first, second, or third year of college who expect to major in science or a related field.

Deadline: Mid January

Website: <http://www.awis.org/careers/edfoundation.html>

Bermuda Institute of Ocean Sciences (BIOS): Undergraduate Fellowships in Marine Science, Oceanography, and Global Climate Change

BIOS is an independent U.S. marine research and educational institution near the town of St. George's. Students design and conduct independent research projects under faculty supervision in several fields relating to environmental science. Travel and living expenses are covered, and students receive a weekly stipend. Applicants must have completed two years of undergraduate study but still be enrolled as an undergraduate. Students should arrange for academic credit from their home institution. Fellowships for undergraduate student involvement in research are available for fall quarter (Sept. 2 – Nov. 25, 2009).

Deadline: May 30, 2009

Website: <http://www.bios.edu/education/reu.html>

Bermuda Institute of Ocean Sciences (BIOS): Summer Courses Scholarship

BIOS seeks to transform the fields of oceanography, marine science, and ocean health through a blend of cutting edge research, comprehensive educational experiences, and a commitment to share knowledge internationally. It assists upper-level undergraduate and graduate students in summer courses at the Biological Station. BIOS distributes scholarships from a variety of sponsors to enable students to attend summer courses offered at the Institute. Applications and scholarships are reviewed as they are received. Deadline: March 15 (however, applications are accepted up to 6 weeks before the start of the course)

Website: <http://www.bios.edu/education/scapp.html>

CDS Summer Internship in Spain

Internships (mid-May to August) are available to juniors and seniors in a variety of fields including, but not limited to, business/finance, economics, engineering, tourism, IT, Media/communications, international relations, and Spanish studies. Companies range from small family-owned businesses to multinational holdings. Participants must be able to function in a Spanish-speaking work environment immediately upon arrival in Spain. Prior work experience is preferred. Internships are unpaid; however, candidates are invited to apply for funding through the CDS International Scholarship Fund.

Website: <http://www.cdsintl.org/internshipsabroad/spain.php>

Goldwater Scholarship

Sophomores and juniors majoring in math, science, or engineering may apply for this scholarship, which funds up to 2 years of undergraduate study. Candidates must intend to pursue a research-oriented graduate degree and should have research experience as an undergraduate.

Deadline: Late January

Website: www.act.org/goldwater/

Greater Research Opportunities Undergraduate Fellowships

The Environmental Protection Agency offers fellowships to students in environmentally related fields that provide (1) funding for their undergraduate education during their junior and senior years and (2) paid internships at an EPA facility between their junior and senior years.

Deadline: Early December

Website: http://es.epa.gov/ncer/rfa/2009/2009_gro_undergrad.html

Los Alamos National Laboratory Undergraduate Student Program

The program offers summer, part-time, and full-time appointments to undergraduates. It is designed to complement undergraduate coursework with work experience related to the student's chosen field of study. Appointments are made in technical and administrative fields.

Deadline: NA

Website: <http://www.lanl.gov/education/undergrad/about.shtml>

Massachusetts Institute of Technology: Haystack Observatory

Undergraduates majoring in science, engineering, and computer science are invited to apply for summer research positions at Haystack Observatory, a research center engaged in radio astronomy, geodesy, atmospheric science, and instrumentation development for radiometry, interferometry, and radar systems.

Deadline: Early February

Website: <http://www.haystack.mit.edu/edu/reu/info.html>

SMART Scholarship

Established by the Department of Defense, the SMART Scholarships support undergraduates majoring in science, technology, engineering, and mathematics. Scholars are sponsored by a branch of the military, receive paid summer internships, and accept employment with the DoD after receiving their degree. The scholarships are very generous.

Deadline: December 15

Website: <http://www.asee.org/fellowships/smart/index.htm>

Society of Women Engineers

SWE awards scholarships to undergraduate and graduate women (all levels) who are pursuing degrees in engineering and computer science.

Deadline:

Website:

http://societyofwomenengineers.swe.org/index.php?option=com_content&task=view&id=222&Itemid=111

SURE

The program recruits primarily undergraduates in their sophomore and junior years, but outstanding freshmen and seniors are also considered. All qualified students are encouraged to apply, and minority and female students are particularly encouraged. Fellows attend a one-week orientation and focus session that includes a series of lectures to provide a detailed overview of all research areas within the BER global change mission. Fellows also receive more focused information on the specific areas in which they expect to conduct research. SURE fellows travel to their nine-week research assignments at national laboratories or universities to conduct global change research. Each Fellow has a mentor who directs and monitors his/her summer research experience.

Deadline: First Monday in October

Website: <http://www.atmos.anl.gov/GCEP/SURE/index.html>

Truman Scholarship

Juniors who are committed to a career in public service are invited to apply for the Truman Scholarship, which not only funds the first year of graduate school but also provides awardees with opportunities for internships related to their areas of interest and guidance in identifying graduate programs that best match their career goals.

Deadline: January

Website: <http://www.truman.gov/>

Graduate

American Association of University Women (AAUW)

Selected Professions Fellowships are awarded to women to pursue full-time course of study in a degree program in architecture, computer/information sciences, engineering, or mathematics/statistics. (Doctoral candidates in engineering must be entering the final stages of dissertation writing.) Fellowships are awarded to women of color who are studying medicine (M.D. and D.O.).

Deadline: Early January

Website: www.aauw.org

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Website: <http://www.bios.edu/education/scapp.html>

Central Europe Summer Research Institute

CESRI funds 8 weeks of lab research in Austria, Czech Republic, Germany, Hungary, Poland, or Slovakia for Masters or PhD students in biology, chemistry, computer science, engineering, environmental science, and mathematics.

Deadline: First Monday in January

Website: www.iie.org/cesri/

Daughters of the American Revolution (DAR)

Funds several scholarships for students in the sciences, including medical school and chemistry.

Deadlines: Mid-April

Website: www.dar.org/natsociety/edout_scholar.cfm

Department of Energy Computational Science Graduate Fellowship

Fellowship funds up to 4 years of graduate study for students engaged in full-time study toward a Ph.D. in the physical, engineering, computer, mathematical, or life-sciences.

Deadline: Mid-January

Website: <http://www2.krellinst.org/csgf/index.shtml>

Fulbright Scholarships

Fulbright scholarships are available in 150 countries, providing the opportunities for recent graduates to study and/or conduct independent research. Over 40 countries also provide the option for working as an English language teaching assistant and engaging in a community-based project. The country determines the number and nature of the awards as well as the criteria for candidates.

Deadline: Mid October

Website: <http://us.fulbrightonline.org/home.html>

Gates Cambridge

This trust funds scholarships for study at Cambridge University. Candidates must have an exceptional record of academic achievement, a strong aptitude for research and analysis, and a creative approach to defining and solving problems. Students should have proven leadership skills as well as a desire to use their knowledge to contribute to society by providing service to their communities.

Deadline: Early October

Website: <http://www.gatesscholar.org/>

Los Alamos National Laboratory Post Baccalaureate Program

The program offers summer, part-time, and full-time appointments to recent graduates. It is designed to provide work experience related to the student's chosen field of study.

Appointments are made in technical and administrative fields.

Website: <http://www.lanl.gov/education/undergrad/about.shtml>

Marshall Scholarship

One of the most prestigious scholarships, the Marshall is awarded to top American students for 2-3 years of graduate study in the United Kingdom (England, Scotland, Wales, and Northern Ireland). The competition is open to students in all fields of study.

Deadline: October 1

Website: <http://www.marshallscholarship.org>

Mitchell Scholarship

One of the most prestigious scholarships, the Mitchell is awarded to top American students for one year of graduate study in Ireland (Republic of Ireland and Northern Ireland). The competition is open to students in all fields of study. Applicants must show reason to conduct their graduate work in Ireland.

Deadline: Early October

Website: <http://www.us-irelandalliance.org/wmspage.cfm?parm1=2>

National Defense Science and Engineering Graduate Fellowship

Department of Defense funds 3-year graduate fellowships in science and engineering disciplines of military importance for individuals who are pursuing doctoral degrees in a range of fields.

Deadline: Early January

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

National Physical Sciences Consortium

Partnership of industry, government, and higher education provides fellowships for graduate study; nearly half are minorities and three quarters are women, but the fellowship is open to all US citizens. One of the two options funds the first 2-3 years of graduate study, with the possibility of extending support for up to 6 years total. This program includes 2 paid summer internships with their industrial sponsor.

Deadline: Early November

Website: www.npsc.org

National Science Foundation (NSF)

The Graduate Research Fellowship provides 3 years of support for students who are in the early stages of graduate study. (Seniors may apply, but first-year graduate students are typically more successful.) Candidates may be engaged in interdisciplinary studies, mathematical sciences, computer and information sciences and engineering, geosciences, life sciences, engineering, chemistry, physics, and astronomy.

Deadline: Early November

Website: www.nsf.gov/

Rhodes Scholarship

The best known of the prestigious scholarships, the Rhodes Scholarship is awarded to top American students for 2-3 years of graduate study at Oxford University. The competition is open to students in all fields of study.

Deadline: Early October

Website: <http://www.rhodesscholar.org>

SMART Scholarship

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Deadline: December 15

Website: <http://www.asee.org/fellowships/smart/index.htm>

Teaching Fellowships for Math and Science Students

Leonore Annenberg Teaching Fellowship

Funds a field-based graduate program at the University of Washington, which integrates academic and clinical instruction. Candidates will earn a Masters in Teaching plus a certificate for middle and high school teaching in math or science. Fellows will have access to 3 years of systematic mentoring and coaching after they begin teaching in local high-needs, low-income school.

Deadline: March 1

Website: http://education.washington.edu/news/res_spotlight/wilson.html

Knowles Foundation

Candidates must have either a bachelor's or advanced degree in science, engineering, or mathematics and should be committed to teaching high school science and/or mathematics in U.S. schools. The fellowship supports them professionally and financially for up to 5 years through a teacher preparation program to eligibility for tenure. During the initial year, fellows typically participate in a recognized teacher credentialing program.

Applications become available on August 1

Website: www.kstf.org/teaching_fellowships_home.aspx

Noyce Teaching Scholars

Fellowship for graduate students in the secondary teacher preparation program at the University of Washington. In addition to the financial award, candidates receive mentoring after graduation. They must agree to teach math and/or science in local high schools for two years following completion of the program.

Deadline: Mid November

Website: <http://education.washington.edu/funding/noyce/index.html>