The following is a selected list of scholarships, grants, and fellowships of interest to applied science and engineering majors. A comprehensive list of extramural scholarship opportunities can be found at the Honors Program website—http://honors.tamu.edu.

**Graduate Education for Minorities Fellowship Program**
http://was.nd.edu/gem/gemwebapp/public/gem_04_100.htm

The GEM Fellowship program is designed to offer opportunities for underrepresented minority students to obtain MS degrees in engineering and Ph.D. degrees in engineering and the natural and physical sciences through a program of paid summer internships and graduate financial assistance. Applicant must be an engineering, physical science or natural science major and be a U.S. citizen from one of the following underrepresented minority groups: Native American, African American, Latino, Puerto Rican, or other Hispanic American. There are also various academic requirements that vary by the degree desired (Ph.D., M.S., etc.).

**APS Scholarship for Minority Undergraduate Physics Majors**
http://www.aps.org/educ/com/scholars/index.cfm

Award consists of $2000 per year for new scholars, and $3000 per year for renewal students to be used for tuition, room & board, educational materials. In addition, each physics department that hosts one or more APS minority undergraduate scholars and assigns a mentor for their student/s will receive a $500 award for programs to encourage minority students. Any African-American, Hispanic American, or Native American U.S. citizen or permanent resident who is majoring or planning to major in physics, and who is a high school senior, college freshman, or sophomore is eligible to apply for the scholarship.

**Barry M. Goldwater Scholarships**
http://www.act.org/goldwater

Up to 300 awarded annually. Up to $7500 annually for tuition, fees, room, board, and books, for both the junior and senior years. Seniors selected for awards will receive approx. $3500 for their last year of undergraduate study. Sophomore or junior standing. GPA of at least 3.5 and top quarter of the class. A major that will lead to a graduate study or a career in mathematics, the natural sciences, or engineering. Helpful to have done research or to have ideas that could lead to a research proposal.

**Fannie and John Hertz Foundation Fellowships**
http://www.hertzfndn.org/

For students of the applied physical 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. 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 Hertz Foundation's Graduate Fellowship award, which is based on merit, consists of a cost-of-education allowance and a personal-support stipend. The cost-of-education allowance is accepted by all of the tenable schools in lieu of all fees and tuition. The personal stipend, paid over the nine-month academic year, was $25,000 for Fellowships awarded for the 2003-2004 academic year. It is renewable for up to five years.
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The GEM Fellowship program is designed to offer opportunities for underrepresented minority students to obtain MS degrees in engineering and Ph.D. degrees in engineering and the natural and physical sciences through a program of paid summer internships and graduate financial assistance. Applicant must be an engineering, physical science or natural science major and be a U.S. citizen from one of the following underrepresented minority groups: Native American, African American, Latino, Puerto Rican, or other Hispanic American. There are also various academic requirements that vary by the degree desired (Ph.D., M.S., etc.).

Howard Hughes Medical Institute
http://www.hhmi.org/

A nonprofit medical research organization that employs hundreds of leading biomedical scientists working at the forefront of their fields. In addition, through its grants program and other activities, HHMI is helping to enhance science education at all levels and maintain the vigor of biomedical science worldwide.

Research Training Fellowships for Medical Students
http://www.hhmi.org/grants/individuals/medfellows.html

The Medical Fellows Program supports a year of full-time biomedical research training for medical and dental students. Provides an annual stipend of $25,000, an annual fellow's allowance of $5,500, and an annual research allowance of $5,500.

The Howard Hughes Medical Institute-National Institutes of Health Research Scholars Program
http://www.hhmi.org/cloister/program.html

Also known as the Cloister Program, established in 1985 to give outstanding students at U.S. medical schools the opportunity to receive research training at the National Institutes of Health in Bethesda, Maryland. Students in good standing at U.S. medical and dental schools are eligible to apply to the program. Research Scholars spend nine months to a year on the NIH campus, conducting basic, translational or applied biomedical research under the direct mentorship of senior NIH research scientists. The Howard Hughes Medical Institute provides the administration and funding for the program, including the salaries and benefits for the Research Scholars. The NIH provides advisors, mentors, laboratory space, and equipment and supplies for laboratory work.

Lucent Technologies-Bell Laboratories Graduate Research Fellowships

Designed to increase the number of minorities and women in the fields of science, math, engineering and technology. Candidates are selected on the basis of scholastic attainment in their fields of specialization, and other evidence of their ability and potential as research scientists. A distinctive feature of the program is the opportunity for fellowship participants to gain firsthand research and development experience, through on-site activities at Lucent Technologies Bell Labs, under the guidance of research scientists and engineers.
Mayo Summer Undergraduate Research Fellowships  http://www.mayo.edu/mgs/surf.html

The Mayo Summer Undergraduate Research Fellowship (SURF) program, sponsored by Mayo Graduate School, is a great way to build your skills as a young scientist or test your inclinations toward research. Each year, 70-80 undergraduate students from around the United States come to Mayo Clinic in Rochester, Minn., to work beside both young and established scientists on a broad range of biomedical research questions. Up to ten fellowships also are available at Mayo's campuses in Scottsdale, Ariz. and Jacksonville, Fla.

Microsoft Scholarships  http://www.microsoft.com/college/ss_overview.mspx

Designed to encourage students to pursue studies in computer science and related technical disciplines. Students are awarded scholarships in recognition of their passion for software, academic excellence, and ability to make a difference in the software industry. Four types of technical scholarships are available to current undergraduate students: General Scholarship, Women's Scholarship, Underrepresented Minority Scholarship, and Scholarships for Students with Disabilities.

Science@NASA Higher Education Programs  http://science.hq.nasa.gov/education/catalog/programs/higher_index.html

NASA-sponsored programs for college and university faculty are designed to enrich their scientific and technical expertise and help them to establish NASA research contacts. These programs include funding opportunities, workshops and working experiences at NASA Centers, as well as Earth system science curriculum development initiatives.

NASA Earth System Science Fellowship Program  http://science.hq.nasa.gov/education/catalog/programs/Programs49.html

Graduate student training fellowships for those pursuing Master of Science (M.Sc.) or Doctoral (Ph.D.) degree in Earth System Science. The purpose is to ensure continued training of interdisciplinary scientists to support the study of the Earth as a system.

National Defense Science and Engineering Graduate Fellowships  http://www.asee.org/ndseg

The Department of Defense (DoD) is committed to increasing the number and quality of our nation's scientists and engineers. Toward that end, the DoD annually supports approximately 8,000 graduate students in fields important to national defense needs. These portable fellowships allow the recipients to pursue their graduate studies at whichever U.S. institution they choose to attend. The DoD has awarded approximately 2,200 fellowships since the program's inception 17 years ago.

National Institutes of Health Undergraduate Scholarships for Individuals from Disadvantaged Backgrounds  http://ugsp.info.nih.gov/

Intended to help students from disadvantaged backgrounds pursue educational and career opportunities in biomedical research. This program focuses on individuals who may have had fewer opportunities than others to pursue research careers. The NIH Undergraduate Scholarship Program will award each student up to $20,000 per academic year. This can be used for tuition, educational expenses such as books and laboratory fees, and reasonable living expenses. The scholarships are awarded for 1 year and may be renewed (no more than 4 years of scholarship support total).
National Medical Fellowships, Inc. Awards  
http://www.nmf-online.org/Programs/programs.htm

Intended to help minority medical students receive the support they need to enter medical school, complete their medical education and reduce their total education debt, with the understanding that their increased participation in medicine and health care delivery to the underserved has important public health benefits. Minority representation in medicine is as critical as ever, making NMF’s efforts essential.

National Physical Science Consortium Graduate Fellowships  http://www.npsc.org/

NPSC offers a unique Ph.D.-track graduate fellowship in the physical sciences and related engineering fields. Open to all U. S. Citizens, with emphasis on recruitment of applications from historically underrepresented minorities and women. An NPSC Fellowship covers the first two or three years of graduate school, depending on the employer who sponsors the fellowship, with the possibility of continuation for several more years providing all the conditions of the fellowship continue to be met. The maximum duration is six years, in which case the overall value (stipend, tuition, fees, summer salary for two summers) of an NPSF fellowship typically well exceeds $200,000.

National Science Foundation Graduate Research Fellowships  https://www.fastlane.nsf.gov/grfp/

Offers recognition and three years of support for advanced study to approximately 900 outstanding graduate students in the mathematical, physical, biological, engineering, and behavioral and social sciences, including the history of science and the philosophy of science, and to research-based PhD degrees in science education.


In 2006, the Foundation expects to award 80 scholarships of up to $5,000 and 50 honorable mentions of $350 on the basis of merit to sophomore and junior-level college students who have demonstrated commitment to careers related to the environment or a commitment to careers related to tribal public policy or health care, and are Native American or Alaska Native. The Udall Foundation seeks future leaders across a wide spectrum of environmental fields, including policy, engineering, science, education, urban planning and renewal, business, health, justice, and economics. The Foundation also seeks future Native American and Alaska Native leaders in public and community health care, tribal government, and public policy affecting Native American communities, including land and resource management, economic development, and education.


To promote undergraduate and graduate training in support of the Department’s global change research activities. The two components of GCEP are the Summer Undergraduate Research Experience (SURE) and the Graduate Research Environmental Fellowships (GREF). A major goal of GCEP is to involve undergraduate students at the end of their sophomore or junior year in BER-supported global change research, then continue this experience during subsequent undergraduate summers. SURE is designed to support individual undergraduate students during multiple years. To further improve the quality of emerging scientists in disciplines related to global change research, SURE students will be encouraged to apply for GREF graduate fellowships and postdoctoral study programs.
U.S. Department of Homeland Security Undergraduate Scholarships and Graduate Fellowships
http://www.orau.gov/dhsed

Intended for students interested in pursuing the basic science and technology innovations that can be applied to the DHS mission. This education program is intended to ensure a diverse and highly talented science and technology community to achieve the DHS mission and objectives. Areas of study that are eligible include: physical, mathematical, computer and information, life, and social sciences, psychology, selected humanities, and engineering.

Zonta International Foundation
http://www.zonta.org/site/PageServer?pagename=zi_scholarships_fellowships_awards

Addresses challenges to women's equality in science, business, public affairs and government by providing critical financial support through programs aimed at furthering women's education, leadership and youth development. 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 $6,000 may be used at any university or college offering accredited post-graduate courses and degrees. Students must be registered in a Ph.D./doctoral program when funds are received.

Applied Science and Engineering Scholarships for Study Abroad

DAAD Scholarships http://www.daad.org/1/ugrad.htm

Offers a wide range of opportunities to students, scholars, and universities of the United States and Canada, from undergraduate students to post-doctoral scholars, for study and research in Germany.

George J. Mitchell Scholarships http://www.usirelandalliance.org/scholarships.html

Named in honor of the former Senator's pivotal contribution to the Northern Ireland peace process, these Scholarships will allow American postgraduates to pursue one year of study at institutions of higher learning in Ireland and Northern Ireland. The scholarships will be awarded to students who have shown both academic distinction and the potential for leadership. There are no restrictions as to academic field of study.

British Marshall Scholarships http://www.marshallscholarship.org/

Finances young Americans of high ability to study for a degree in the United Kingdom. At least forty Scholars are selected each year to study either at graduate or occasionally undergraduate level at an UK institution in any field of study. Each scholarship is held for two years. As future leaders, with a lasting understanding of British society, Marshall Scholars strengthen the enduring relationship between the British and American peoples, their governments and their institutions. Marshall Scholars are talented, independent and wide-ranging, and their time as Scholars enhances their intellectual and personal growth. Their direct engagement with Britain through its best academic programs contributes to their ultimate personal success.
Winston Churchill Foundation Scholarships http://www.thechurchillscholarships.com/

Offers American students of exceptional ability, enrolled at one of the institutions participating in the program, the opportunity to pursue graduate studies in engineering, mathematics, and the sciences at Cambridge, one of the world's great universities. The Scholarships also provide the opportunity to experience life in Britain, to forge friendships with British students and those from many other lands who are enrolled at Cambridge, to see something of Britain and lands beyond, to see the United States from a new perspective and to gain personal insights about oneself that come from living abroad and adjusting to new challenges.


An international scholarship program to enable outstanding graduate students from outside the United Kingdom to study at the University of Cambridge. The Trustees are required to award scholarships on the basis of a person's intellectual ability, leadership capacity and desire to use their knowledge to contribute to society throughout the world by providing service to their communities and applying their talents and knowledge to improve the lives of others.

Overseas Research Students Awards http://www.orsas.ac.uk/

Offers international postgraduate students the opportunity to carry out a broad range of research at well-established UK academic institutions of worldwide recognition. ORSAS awards provide funding to pay the difference between the international student tuition fees and the home/EU student tuition fees charged by the academic institution that the student attends. ORSAS awards do not cover the home/EU fee element, maintenance or travel expenses.

Rhodes Scholarships http://www.rhodesscholar.org/

Awards thirty-two scholarships to study at Oxford University for two years. Pays the tuition of one of Oxford's colleges and a living allowance. Applicants must have "proven intellectual and academic achievement of a high standard" and "show integrity of character, interest in and respect for their fellow beings, the ability to lead, and the energy to use their talents to the full."


A unique scholarship opportunity for U.S. undergraduates to study abroad. Created in 1991, NSEP awards scholarships to American students for study of world regions critical to U.S. interests (including Africa, Asia, Central & Eastern Europe, Eurasia, Latin America & the Caribbean, and the Middle East). The countries of Western Europe, Canada, Australia, and New Zealand are excluded. As students of other cultures and languages, NSEP Scholars begin to acquire the international competence needed to communicate effectively across borders, to understand other perspectives, and to analyze increasingly fluid economic and political realities.
Rotary Foundation Ambassadorial Scholarships
http://www.rotary.org/foundation/educational/amb_scho/index.html

The world’s largest privately funded international scholarships program. The purpose of the Ambassadorial Scholarships program is to further international understanding and friendly relations among people of different countries. The program sponsors several types of scholarships for undergraduate and graduate students as well as for qualified professionals pursuing vocational studies. While abroad, scholars serve as ambassadors of goodwill to the people of the host country and give presentations about their homelands to Rotary clubs and other groups. Generous contributions from Rotarians worldwide represent continued faith that the students who are Ambassadorial Scholars today will be tomorrow’s community and world leaders.

Scholarships, Fellowships, and Grants
Unrestricted by Field of Study

American Association of University Women Educational Foundation Fellowships and Grants
http://www.aauw.org/fga/fellowships_grants/index.cfm

One of the world’s largest sources of funding exclusively for graduate women, AAUW supports aspiring scholars around the globe, teachers and activists in local communities, women at critical stages of their careers, and those pursuing professions where women are underrepresented. Fellowships include American Fellowships, which support women doctoral candidates completing dissertations and scholars seeking funds for postdoctoral research leave or for preparing completed research for publication, Career Development Grants, which support women who hold a bachelor’s degree and who are preparing to advance their careers, change careers, or re-enter the work force, International Fellowships, for full-time graduate or postgraduate study or research to women who are not U.S. citizens or permanent residents, Selected Professions Fellowships for women who are U.S. citizens or permanent residents and who intend to pursue a full-time course of study (during the fellowship year) in designated degree programs where women’s participation traditionally has been low.

Dallas Jewish Community Foundation
http://dallas.ujcagedweb.org/content_display.html?ArticleID=95680

Administers a number of scholarship funds, each requiring evidence from the applicant of both merit and need. While applicants must be Jewish to qualify in some instances, they need not be Jewish to qualify for approximately half of the scholarships. Awards range from $500 to $5,000; however, the majority fall within the $1,500 to $2,500 range. Each scholarship is for a period of one year, beginning in the Fall semester.

Jack Kent Cooke Foundation Scholarships
http://www.jackkentcookefoundation.org/jkcf_web/content.aspx?page=SchProg

Intended to help young people of exceptional promise reach their full potential through education, with particular focus on outstanding individuals with financial need. Scholarships include Graduate Awards worth up to $50,000 for college seniors or recent graduates to attend graduate or professional programs, Undergraduate Transfer awards worth up to $30,000 each to students and recent alumni from community colleges or two-year institutions who will pursue bachelor's degrees at four-year institutions, and September 11 Scholarships for spouses and dependents of victims of September 11th or the 2001 anthrax attacks currently enrolled in college or trade school who demonstrate financial need.
Ford Foundation Predoctoral and Dissertation Fellowships for Minorities
http://www7.nationalacademies.org/fellowships/forddiss.html#TopOfPage

Provide one year of support for individuals working to complete a dissertation leading to a Doctor of Philosophy (Ph.D.) or Doctor of Science (Sc.D.) degree. The awards will be made to individuals who have demonstrated superior academic achievement, are committed to a career in teaching and research at the college or university level, show promise of future achievement as scholars and teachers, and are well prepared to use diversity as a resource for enriching the education of all students.

Ford Foundation Diversity Fellowships For Achieving Excellence in College and University Teaching
http://www7.nationalacademies.org/fellowships/fordpredoc.html#TopOfPage

Provides three years of support for individuals engaged in graduate study leading to a Doctor of Philosophy (Ph.D.) or Doctor of Science (Sc.D.) degree. The awards will be made to individuals who have demonstrated superior academic achievement, are committed to a career in teaching and research at the college or university level, show promise of future achievement as scholars and teachers, and are well prepared to use diversity as a resource for enriching the education of all students.

Golden Key International Honour Society Scholarships and Awards
http://www.goldenkey.org/GKweb/ScholarshipsandAwards/ScholarshipandAwardListing/TheGoldenKeyGraduateScholarAward.htm

Awards range from $500 - $10,000. Applicant must be a member of Golden Key International Honor Society. Competitions administered independently at each chapter with criteria selection varying by campus; check with campus chapter leadership for application instructions.

The Golden Key Graduate Scholar Award

Supports members' post-baccalaureate study at accredited universities anywhere in the world. Twelve $10,000 scholarships awarded annually. Applicant must be currently working on an undergraduate degree or the applicant’s first undergraduate degree must have been received within five years of the application deadline. The applicant must be enrolled, as a full-time student, in a post-baccalaureate program of study at an accredited institution during the academic year immediately following the granting of the award. Selection based on academic achievement, Golden Key involvement, and extracurricular activities.

Glamour's Top Ten College Women Competition
http://www.glamour.com/main/pollsandcontests/050912top10collegewomen

Open to women who are full-time juniors attending a college in the United States or Canada. Each winner receives $2,000 and a three-night trip to New York, opportunities to meet top female professionals, and national recognition.

Josephine de Kármán Fellowships
http://www.dekarman.org/

One-year award for seniors ($8,000) or PhD candidates ($16,000) in any field of study. Applicants should have manifested exceptional ability and seriousness of purpose. Special consideration will be given to applicants in the humanities.
The NCAA administers a variety of internship, scholarship and leadership-development programs to enhance the educational opportunities that student-athletes receive on campus. In addition, the NCAA conducts research into the academic preparation and performance of student-athletes, among many other topics.

**Phi Kappa Phi Graduate Fellowship**  

Annually awards sixty Fellowships of $5,000 each and forty Awards of Excellence of $2,000 each for post-graduate study at accredited institutions of higher learning. Applicant must be a member of Phi Kappa Phi. Local TAMU chapter of Phi Kappa Phi may nominate one student. Eligible applicants have applied to enroll as a full-time student in a graduate program of study for the upcoming academic year.

**Paul and Daisy Soros Fellowships for New Americans**  

Provides opportunities for continuing generations of able and accomplished New Americans to achieve leadership in their chosen fields. Each Fellow receives a maintenance grant of $20,000 (paid in two installments) and a tuition grant of one-half the tuition cost of the U.S. graduate program attended by the Fellow (up to a maximum of $16,000 per academic year). Applicants must be a resident alien (i.e., holds a Green Card), a naturalized U.S. citizen, or the child of two parents who are both naturalized citizens. The applicant must either have a bachelor's degree or be in her/his final year of undergraduate study. Those who have a bachelor's degree may already be pursuing graduate study and may receive Fellowship support to continue that study.

**William E. Simon Fellowship for Noble Purpose**  

Designed to encourage students as they complete their undergraduate education to pursue lives that will benefit themselves and their fellow men and women — that is, lives of "noble purpose." The Fellowship is an unrestricted cash grant that will be awarded to those graduating college seniors who have demonstrated passion, dedication, a high capacity for self-direction, and originality in pursuit of a goal that will strengthen civil society. In addition to their mature conception of and passion for what they hope to accomplish, nominees for the prize will be evaluated on the basis of their academic record and extracurricular activities. The top award will be for $40,000. Two additional fellows will be chosen each year to receive grants of $5,000 each.

**Harry S. Truman Scholarships**  

Awards merit-based scholarships to juniors who have outstanding leadership potential and who are committed to careers in government, the nonprofit or advocacy sectors, education or elsewhere in the public service. Provides up to $30,000 in funding to students pursuing graduate degrees in public service fields. Students must be college juniors at the time of selection. The Foundation also provides assistance with career counseling, internship placement, graduate school admissions, and professional development. Scholars are invited to participate in a number of programs: Truman Scholar Leadership Week, The Summer Institute, The Truman Fellows Program, and the Public Service Law Conference.