

Fellowships in STEM Fields



Undergraduate Opportunities

Barry M. Goldwater Scholarship

Scholarship of up to \$7,500 per year for educational expenses for outstanding U.S. students with excellent academic records and demonstrated interest in careers in mathematics, the natural sciences, and engineering.

<https://goldwater.scholarsapply.org>

Jonas E. Salk Award

Awarded to CUNY students who have been accepted to a U.S. medical school and have performed scientific research as an undergraduate. Awards of \$8,000 to help defray the cost for the M.D., Ph.D. or D.Sc in Biomedical Sciences or D.O. degree. Two paid summer internships at the Salk Institute for Biomedical Studies also available.

<http://cuny.edu/about/administration/offices/sa/advocacy-referral/JONASSCHOLARSHIP.html>

Amgen Foundation Scholars Program

Provides undergraduates with the opportunity to engage in a hands-on research experience at some of the world's leading educational institutions during the summer. The Program seeks to increase learning and networking opportunities for students committed to pursuing science or engineering careers.

www.amgenscholars.eu/

National Science Foundation Research Experiences for Undergraduates (REU)

Supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program.

www.nsf.gov/funding/pgm_summ.jsp?pims_id=5517&from=fund

Morris K. Udall Undergraduate Scholarship

Supports scholarship and excellence in national environmental policy. Scholarships granted to sophomores and juniors who intend to pursue careers related to the natural environment; or to Native Americans and Alaska Natives.

www.udall.gov/

Postgraduate Opportunities

U.S. Fulbright Program STEM Grants

Grants for U.S. citizens to pursue overseas graduate study, to serve as an English Teaching Assistant (ETA), or to conduct independent research projects. Several Fulbright awards are available in STEM fields. **Hungary:** Budapest Semesters in Mathematics-Rényi Institute; **Iceland:** National Science Foundation Arctic Research Grant; **Finland:** Lappeenranta University of Technology Graduate Award; **Netherlands:** Fellowship for Childhood Cancer Research and TU Delft, Faculty of Applied Sciences Award. Also, candidates can apply in STEM fields to any participating country to pursue projects of their own design.

www.fulbrightonline.org

National Science Foundation Graduate Research Fellowship

NSF GRF awards are for students in NSF-supported STEM disciplines who are pursuing research-based master's and doctoral degrees at accredited US institutions. Fellows benefit from a three-year annual stipend along with an education allowance for tuition and opportunities for professional development.

www.nsfgrfp.org/

Winston Churchill Foundation Scholarships

Awards for one year of study at Churchill College, Cambridge in a variety of fields in the sciences, mathematics, and engineering. CUNY applicants must be students in the Macaulay Honors College.

www.winstonchurchillfoundation.org/

National Consortium for Graduate Degrees for Minorities in Engineering and Science (GEM)

Opportunities for underrepresented students to obtain M.S. and Ph.D. degrees in engineering and the sciences through a program of paid summer internships and graduate financial assistance.

www.gemfellowship.org/

National Institute of Health (NIH) Oxford/Cambridge Scholarship

An individualized doctoral training program for outstanding science students committed to biomedical research careers. Students earn a D.Phil or Ph.D. from Oxford or Cambridge or a combined MD/Ph.D.

<http://oxcam.gpp.nih.gov/>

Fannie and John Hertz Foundation Fellowships

Financial support to the nation's most remarkable PhD students in the physical, biological and engineering sciences. Hertz Fellows become innovators and leaders serving in ways that benefit us all.

www.hertzfoundation.org

Fellowship advice and support available from:

Valeria L. Hymas

Baruch College, Fellowships Advisor

Fellowships@baruch.cuny.edu

Application Guidance: <http://blogs.baruch.cuny.edu/fellowships/>

Searchable Fellowships Directory: www.baruch.cuny.edu/fellowships/

More Fellowships in STEM Fields

www.baruch.cuny.edu/fellowships/

Undergraduate Opportunities

Boren Scholarships STEM Initiative

Opportunities to study abroad in areas of the world that are critical to U.S. interests and underrepresented in study abroad. The special initiative for STEM majors funds up to \$8,000 for summer study (minimum of 8 weeks) for students majoring in the STEM fields.

<https://borenawards.org/scholarships/thinking-applying/special-initiatives/boren-scholarships-summer-initiative-stem-majors>

National Institutes of Health (NIH) Undergraduate Scholarship Program

Offers competitive scholarships to students from disadvantaged backgrounds who are committed to careers in biomedical, behavioral, and social science health-related research. The program offers scholarship support, paid research training at the NIH during the summer, and paid employment and training at the NIH after graduation.

www.training.nih.gov/programs/ugsp

American Chemical Society (ACS) Scholars Program

Provides renewable scholarships of up to \$5,000 to underrepresented minority students and who wish to pursue undergraduate degrees in the fields of chemistry, biochemistry, chemical engineering, material science, toxicology, and environmental science.

www.acs.org/content/acs/en/funding-and-awards/scholarships/acsscholars.html

German Academic Exchange Service (DAAD) Research Internships in Science and Engineering

Summer internship program for students in the fields of biology, chemistry, physics, earth sciences and engineering. RISE offers unique opportunities to work with research groups at universities and top research institutions across Germany.

www.daad.org/rise

The National Oceanic and Atmospheric Administration (NOAA) Ernest F. Hollings Scholarship

Designed to provide selected undergraduates with a scholarship award of up to \$8,000.00 for two academic years of full time study and a ten week internship during the summer at a NOAA facility.

www.noaa.gov/office-education/hollings-scholarship

Icahn School of Medicine - Donald and Vera Blinken FlexMed Program

FlexMed allows college sophomores in any major to apply for early assurance to our school of medicine. Once accepted, students will be free to pursue their area of study, unencumbered by the traditional science requirements and MCAT.

<http://icahn.mssm.edu/education/medical-education/programs/flexmed>

Postgraduate Opportunities

Gates Cambridge Scholarships

They are awarded to outstanding applicants from countries outside the UK to pursue a full-time postgraduate degree in any subject available at the University of Cambridge. The program was established by a donation of US\$210m from the Bill and Melinda Gates Foundation to the University of Cambridge.

www.gatescambridge.org/

Josephine de Karman Fellowship

Recognize and assist students whose scholastic achievements reflect Professor von Karman's high standards. Open to students in any discipline, including international students, who are currently enrolled in a university or college in the United States.

www.dekarman.org/

Imperial College London Faculty of Medicine Master's Degrees Scholarships

Offers a variety of generous awards to outstanding candidates who plan to study one of their Master's Programs, including degrees in bioscience, health professions and engineering.

www1.imperial.ac.uk/medicine/prospectivestudents/mastersdegreescholarships/

National Defense Science and Engineering Graduate Fellowship

Offered to individuals who have demonstrated special aptitude for advanced training in the sciences and engineering. The goal is to increase the number of U.S. citizens and nationals trained in science and engineering disciplines of military importance. Offers support for 36 consecutive months including the payment of full tuition and required fees (not including room and board) and fellows receive a living stipend of \$30,500 each year.

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

Woodrow Wilson Teaching Fellowships

The program recruits and trains the nation's best and brightest recent graduates and career changers with STEM backgrounds to teach in middle and high school science and math classrooms. Benefits include a \$30,000 education award and tuition for a graduate degree in Education.

www.woodrow.org/stem

Math for America Fellowships

A 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

www.mathforamerica.org/fellowships

Women Techmakers Scholars Program

Scholarship to encourage women to excel in computing and technology and become role models and leaders. Each recipient will each receive a \$10,000 award. Funding for undergraduate level study is also available.

www.google.com/anitaborg/us/