

# Fellowships in STEM Fields



## Undergraduate Opportunities

### Barry M. Goldwater Scholarship

Scholarship provides up to \$7,500.00 per year for educational expenses for outstanding U.S. students with excellent academic records and demonstrated interest in, and potential for, careers in mathematics, the natural sciences, and engineering.

<https://goldwater.scholarsapply.org>

### Jonas E. Salk Award

Awarded annually to eight graduates of CUNY senior colleges who have been accepted by, and plan to attend, U.S. medical or graduate schools.

[www.cuny.edu/about/administration/offices/ovsa/scholarships/#aboutsalk](http://www.cuny.edu/about/administration/offices/ovsa/scholarships/#aboutsalk)

### Amgen Foundation Scholars Program

A funded summer hands-on STEM research experience program for current undergraduates at some of the leading educational institutions in the U.S. or Asia.

<https://amgenscholars.com/>

### National Science Foundation Research Experiences for Undergraduates (REU)

Provides funding for summer or semester long 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/crssprgm/reu/](http://www.nsf.gov/crssprgm/reu/)

### Morris K. Udall Undergraduate Scholarship

Provides scholarships to sophomores and juniors interested in conservation, environmental stewardship, or environmental policy who intend to pursue careers related to these fields.

[www.udall.gov/](http://www.udall.gov/)

### The Luce Scholars Program

Provides full funding for early-career leaders in any field to engage in individually tailored and immersive professional experiences in Asia.

[www.hluce.org/programs/luce-scholars/](http://www.hluce.org/programs/luce-scholars/)

## Postgraduate Opportunities

### Fulbright U.S. Student 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. **Austria:** Marshall Plan Award in Science & Tech; **Chile:** Science Initiative Award; **Hungary:** Budapest Semesters in Mathematics-Rényi Institute; **Iceland:** National Science Foundation Arctic Research Grant; **Ireland:** Limerick Univ. Public Health Award; **Finland:** LUT Graduate Award; **Taiwan:** National Cheng Kung University Energy Engineering Award.

[www.fulbrightonline.org](http://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/](http://www.nsfgrfp.org/)

### Winston Churchill Foundation Scholarships

Awards for either an MPhil or MAST at Churchill College, Cambridge in a variety of fields in the sciences, mathematics, engineering or science policy. CUNY applicants must be in the Macaulay Honors College.

[www.winstonchurchillfoundation.org/](http://www.winstonchurchillfoundation.org/)

### Quad Fellowships

Sponsors 100 exceptional American, Japanese, Australian, and Indian master's and doctoral students in science, technology, engineering, and mathematics (STEM) to study in the US. Quad Fellows will receive \$50,000 towards graduate degrees or research.

[www.quadfellowship.org/](http://www.quadfellowship.org/)

### CMU Rales Fellows Program

Offers full tuition and an annual stipend to cover living expenses whilst completing a STEM relevant masters or PhD at Carnegie Mellon University. Dedicated to developing a diverse community of STEM leaders from underrepresented backgrounds.

[www.cmu.edu/graduate/programs-services/grad/index.html](http://www.cmu.edu/graduate/programs-services/grad/index.html)

### Fannie and John Hertz Foundation Fellowships

Financial support for graduating seniors wishing to pursue a PhD degree in the physical, biological or engineering sciences. Hertz Fellows become innovators and leaders serving in ways that benefit us all.

[www.hertzfoundation.org](http://www.hertzfoundation.org)

## Fellowship advice and support available from:

Valeria L. Hrimnak

Baruch College, Prestigious Fellowships Advisor

[Fellowships@baruch.cuny.edu](mailto:Fellowships@baruch.cuny.edu)

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

Searchable Fellowships Directory: [www.baruch.cuny.edu/fellowships/](http://www.baruch.cuny.edu/fellowships/)



# More Fellowships in STEM Fields

## [www.baruch.cuny.edu/fellowships/](http://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.

[www.borenawards.org/](http://www.borenawards.org/)

#### **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](http://www.training.nih.gov/programs/ugsp)

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

RISE Germany is a funded summer internship program for undergraduate students from the United States, Canada and the UK in the fields of biology, chemistry, physics, earth sciences, engineering and computer science. RISE interns are matched with doctoral students in Germany whom they assist and who serve as their mentors. The working language is English.

[www.daad.org/rise](http://www.daad.org/rise)

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

Provides undergraduates with a scholarship award of up to \$9,500 for two academic years of full time study and a ten week summer internship at a NOAA facility.

[www.noaa.gov/office-education/hollings-scholarship](http://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 the Icahn School of Medicine. Once accepted, students will be free to pursue their area of study, without the traditional science requirements and the MCAT.

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

#### **AAAS Mass Media Science & Engineering Fellowship**

This 10-week summer program offers an \$8,000 stipend and places science, engineering, and mathematics students at media organizations nationwide. Fellows use their academic training as they research, write, and report today's headlines, sharpening their abilities to communicate complex scientific issues to the public.

<https://www.aaas.org/page/about-1>

### Postgraduate Opportunities

#### **GEM Fellowship**

Provides STEM and Comp. Sci. majors practical summer work experiences through an employer sponsor and a portable academic year fellowship of tuition, fees, and a stipend which may be used at any participating GEM Member University where the GEM Fellow is admitted.

[www.gemfellowship.org/gem-fellowship-program/](http://www.gemfellowship.org/gem-fellowship-program/)

#### **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 tuition funding for a graduate degree in Education.

<https://citizensandscholars.org/fellowships/for-scholars-education-leaders/teaching-fellowship/>

#### **Mickey Leland Energy Fellowship**

Provides undergraduate, graduate and doctoral STEM students with funded 10-week summer internships giving them opportunities to gain hands-on research experience with the Department of Energy's (DOE) Office of Fossil Energy (FE).

<https://orise.orau.gov/mlf/>

#### **Knight-Hennessy Scholars**

Each year a group of high-achieving students from around the world with demonstrated leadership and civic commitment, from a wide array of backgrounds, will receive funding for 3 years to pursue a graduate education at Stanford University in any discipline. Their academic experience will focus on both subject-specific knowledge and leadership development.

<https://knight-hennessy.stanford.edu/>

#### **Paul and Daisy Soros Fellowship for New Americans**

Provides funding for graduate study in any field at any advanced degree-granting institution in the United States. Each award could total of as much as \$90,000. Applicants must be a New American (a green card holder or naturalized citizen if born abroad; a child of naturalized citizens if born in this country).

[www.pdsoros.org/](http://www.pdsoros.org/)

#### **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.

[www.gatescambridge.org/](http://www.gatescambridge.org/)

#### **Marshall Scholarships**

Full funding for Americans of high ability to study for a graduate degree in any field and at any university in the United Kingdom. The award covers tuition and fees, personal travel, book allowances, and provides a living stipend.

[www.marshallscholarship.org/](http://www.marshallscholarship.org/)

#### **National Defense Science and Engineering Graduate Fellowship**

Provides full funding to selected applicants who will pursue a doctoral degree in, or closely related to, an area of DoD interest.

<https://ndseg.org/>