

Spring Undergraduate Scholarships Physics & Astronomy

Deadlines January - May

This document contains information about national and international scholarships, fellowships and awards. The University of Arizona Department of Physics does not fund or endorse these offerings and they are provided as information only. Scholarship information and deadlines can change so check in directly with the offering institution for detailed information.

Barry Goldwater Scholarship and Excellence in Education From the Barry Goldwater Foundation

Scholarship Website: <https://goldwater.scholarsapply.org/>

UA Scholarship Information Sheet (pdf):

http://www2.honors.arizona.edu/sites/default/files/u936/GoldwaterInformation_0.pdf

Amount: up to \$7,500 a year

Deadline: early September to late-January: individual internal campus deadlines are determined by each institution; check your campus for specific dates. Last Friday in January: Goldwater Foundation nomination deadline

GPA: 3.0 minimum

Class Standing: sophomore or junior

Major: Natural sciences, mathematics, and engineering.

Criteria: Must be nominated for the award by your institution, contact UA's representative • be a full-time matriculated sophomore or junior pursuing a degree at an accredited 2 or 4-year institution of higher education • intend to pursue a research career in a natural science, mathematics or engineering area • have a college GPA of at least 3.0 on a 4.0 scale and • Be a U.S. citizen or U.S. national or a permanent resident

Contact information: Students interested in pursuing this scholarship should first contact the University of Arizona's Office of Nationally Competitive scholarships at oncs@email.arizona.edu. Goldwater Help Center and Barry Goldwater Scholarship and Excellence in Education Foundation • (507) 931-8335 • (703) 756-6012 • goldwater@scholarshipamerica.org • goldh2o@vacoxmail.com

Scholarship Information:

The Barry Goldwater Scholarship and Excellence in Education Foundation was established by Congress in 1986 to serve as a living memorial to honor the lifetime work of Senator Barry Goldwater, who served his country for 56 years as a soldier and statesman, including 30 years in the U.S. Senate.

By providing scholarships to college sophomores and juniors who intend to pursue research careers in the natural sciences, mathematics and engineering, the Goldwater Foundation is helping ensure that the U.S. is producing the number of highly-qualified professionals the Nation needs in these critical fields. Over its 30-year history, Goldwater Scholarships have been awarded to thousands of undergraduates, many of whom have gone on to win other prestigious awards like the National Science Foundation's Graduate Fellowship, Rhodes Scholarship, Churchill Scholarship and the National Defense Science and Engineering Graduate Fellowship that support our Scholars' graduate school work. Today, Goldwater alumni can be found conducting research that is helping defend the Nation, finding cures for catastrophic diseases and teaching future generations of scientists, mathematicians and engineers.

Ernest F. Hollings Undergraduate Scholarship From the National Oceanic and Atmospheric Administration (NOAA)

Scholarship Website: <http://www.noaa.gov/office-education/hollings-scholarship>

Scholarship Application: <https://oedwebapps.iso.noaa.gov/uspa/>

Amount: Up to \$9,500

Deadline: January 31st, 2018

GPA: 3.0 minimum

Class Standing: Junior

Major: biological, life and agricultural sciences; physical sciences; mathematics, engineering; computer and information sciences; social and behavioral sciences; and teacher education.

Criteria: U.S. Citizen • full-time junior academic status in an accredited college or university within the United States or U.S. territories

Contact information: Scholarship committee • 865-576-3424 • studentscholarshipprograms@noaa.gov

Scholarship Description:

The Hollings Scholarship Program provides successful undergraduate applicants with awards that include academic assistance (up to \$9,500 per year) for two years of full-time study and a 10-week, full-time paid (\$700/week) internship at a NOAA facility during the summer.

The internship between the first and second years of the award provides the scholars with hands-on, practical 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 and the annual Science & Education Symposium, scientific conferences where students present their research, and a housing subsidy for scholars who do not reside at home during the summer internship.

Hollings Alumni report that the experience influenced their academic and career paths, expanded their professional networks and improved their skills for working in NOAA mission fields. 100% of Hollings Scholars surveyed said that they would recommend this opportunity to other students.

Program Goals:

- increase undergraduate training in oceanic and atmospheric science, research, technology, and education and foster multidisciplinary training opportunities;
- increase public understanding and support for stewardship of the ocean and atmosphere and improve environmental literacy;
- recruit and prepare students for public service careers with NOAA and other natural resource and science agencies at the federal, state and local levels of government; and
- recruit and prepare students for careers as teachers and educators in oceanic and atmospheric science and to improve scientific and environmental education in the United States.

Educational Partnership Program with Minority Serving Institutions (EPP/MSI) Undergraduate Scholarship From the National Oceanic and Atmospheric Administration

Scholarship Website: <http://www.noaa.gov/office-education/epp-msi/undergraduate-scholarship>

Scholarship Application: <https://oedwebapps.iso.noaa.gov/uspa/>

Amount: Awards valued at up to \$45,000 in support. Two paid summer internships and training plus a stipend. Includes travel and conference participation.

Deadline: January 31st, 2018

GPA: 3.2 minimum

Class Standing: second-year student in a four-year academic program, or transferring from a two-year to a four-year institution, or a third-year student in a five-year program.

Criteria: US citizen • studying a discipline related to NOAA's programs and missions at an accredited minority serving institution (college or university within the United States or U.S. territories)

Note/other: Summer internships are split between the last two years of the student's undergraduate career.

Contact information: EPP.USP@noaa.gov

Scholarship Information: The EPP/MSI Undergraduate Scholarship provides funds for two years of undergraduate study to rising junior undergraduate students majoring in Science, Technology, Engineering and Mathematics (STEM) fields that directly support NOAA's mission. Participants conduct research at a NOAA facility during two paid summer internships. Since 2001, over 186 students have completed the program and over 75% go on to graduate school.

Students attending Minority Serving Institutions as defined by the US Department of Education (Hispanic Serving Institutions, Historically Black Colleges and Universities, Tribal Colleges and Universities, Alaskan-Native Serving Institutions, and Native Hawaiian Serving Institutions) are eligible to apply for the program.

Summer Research Program From the Significant Opportunities in Atmospheric Research and Science (SOARS) Program

Scholarship Website: <http://www.soars.ucar.edu/apply/>

Amount: varies

Deadline: February 1st, 2018

GPA: 3.0 or higher

Class Standing: have completed the equivalent of 2 years of college

Major: atmospheric science or a related field such as the geosciences, biology, chemistry, computer science, mathematics, meteorology, oceanography physics or social science

Criteria: applicants must have at least one semester of college remaining after the initial summer program (graduating seniors are not eligible to apply) • be a U.S. citizen or permanent resident

Notes/Other: individuals who are members of a group that is historically under-represented, who have experienced hardships/economic disadvantage or a circumstance that may complicate progress in research careers in these related fields are encouraged to apply

Contact information: Jocelyn White • 303-497-8622 • soars@ucar.edu

Scholarship Information:

SOARS is dedicated to broadening participation in the atmospheric and related sciences.

SOARS is an undergraduate to graduate program built around a summer research internship, mentoring by top scientists and engineers, and a supportive learning community. In addition to the summer internship, SOARS includes year-round support, funding to attend conferences and last-dollar tuition scholarships. Successful protégés are eligible to participate in the program for up to four years.

WHOI Summer Student Fellowship Program (REU) From the Woods Hole Oceanographic Institution (WHOI)

Scholarship Website: <http://www.whoi.edu/page.do?pid=8065>

Application Form: <http://cis.whoi.edu/Administration/education/ssf/AppSubmitForm.cfm>

Amount: varies

Deadline: February 15th, 2018

Class Standing: completed junior or senior year

Major: any fields of science or engineering including geology, geophysics, math, meteorology, physics, oceanography, and marine policy.

Criteria: Applicants are undergraduate students who are completing their junior year at colleges or universities • tentative interest in the ocean sciences, oceanographic engineering, mathematics, or marine policy

Notes/Other: Students from underrepresented groups are encouraged to apply.

Contact information: Scholarship committee • 703-292-7709 • education@whoi.edu

APS/IB Research Internship for Undergraduate Women From the American Physical Society and IBM

Scholarship Website: <http://www.aps.org/programs/women/scholarships/ibm/index.cfm>

Scholarship FAQ: <http://www.aps.org/programs/women/scholarships/ibm/process.cfm>

Amount: \$2,500

Deadline: February 15th, 2018

GPA: 3.0 minimum

Class Standing: sophomore or junior

Major: chemistry, physics, materials science/engineering, computer science/engineering, or biology with an emphasis on one of the other areas listed

Criteria: enrolled in a major listed above • student identifies as a woman • 3.0 minimum GPA • no citizenship restriction

Contact information: Scholarship Committee • 408-927-2494 • apsibmin@us.ibm.com

Scholarship Description:

The American Physical Society and IBM co-sponsor two undergraduate research internship programs: the APS/IBM Research Internship for Undergraduate Women, and the APS/IBM Research Internships for Underrepresented Minority Students. The goal of these internships is to encourage women and underrepresented minorities to pursue graduate studies in science and engineering. Any student who identifies as a woman and an underrepresented minority is eligible to apply to both internships.

Internship Information:

IBM hosts paid summer internships at three IBM research locations: Almaden (San Jose, CA), Austin, TX, or Watson (Yorktown Heights, NY). These internship experiences provide students with the opportunity to work closely with an IBM mentor and work on research projects that match their skills and interests as well as the ongoing research programs of the laboratory. The Almaden and Watson lab have a full range of research, and the Austin lab focuses on software and systems. Internships typically last 10 weeks, and the start and end dates are chosen so as not to conflict with the student's school schedule. Assistance in securing housing will be provided.

Dade W. Moeller Annual Scholarship Awards From Health Physics Society (HPS)

Scholarship Website: <https://hps.org/apply/moeller.html>

Scholarship Application: https://hps.org/apply/fellowship_scholarships.cfm

Amount: \$2,000

Deadline: February 28th, 2018

Major: Must enrolled in an accredited bachelor's, master's, or doctoral program in health physics or related nuclear sciences at an accredited U.S. institution.

Criteria: Nominated applicants must submit a short biographical resume • a description of their academic plans • letters of reference • copies of all undergraduate and graduate transcripts • summary of health physics curriculum outlining proposed course of study and course descriptions • Must be a Student Member of the HPS Society (or nominated by a voting member, Academic Program Director, or Student Faculty Advisor)

Contact Information: Dade W. Moeller Annual Scholarship Awards • Jill Drupa • Health Physics Society • 1313 Dolley Madison Boulevard • Suite 402 • McLean, Virginia 22101 • 703-790-1745 • hps@BurkInc.com • jdrupa@burkinc.com

SEG Scholarships

From the Society of Exploration Geophysicists (SEG)

Scholarship Website: <http://seg.org/Scholarships>

Amount: range from \$500-\$14,000

Deadline: March 1st, 2018

Class Standing: undergraduate /graduate student

Major: geophysics or closely related field, such as geosciences, physics, geology, or earth and environmental sciences

Criteria: high school senior planning to attend college next year or an undergraduate or graduate college student • above-average grades • pursuing a college curriculum directed toward a career in applied geophysics

Contact information: Scholarship committee • 918-497-5549 • scholarships@seg.org

Scholarship Information:

Thanks to the generosity of our donors, the SEG offers a range of different scholarship opportunities. Funds provided may be applied to tuition, books, and fees.

Scholarships range from \$500 to \$10,000 USD per academic year; average awards are approximately \$3,700. The number of scholarships available depends chiefly upon the number of sponsors and the amounts they contribute. SEG scholarships have been awarded to students all over the world.

Herbert Levy Memorial Scholarship From the Society of Physics Students (SPS)

Scholarship Website: <https://www.spsnational.org/scholarships/levy>

Amount: \$2,000

Deadline: March 15th, 2018

Major: Physics

Criteria: awarded to undergraduate students based on scholarship, SPS participation, and financial need

- must be undergraduate members of SPS national organization

Contact information: SPS-Programs@aip.org

Scholarship Information:

The purpose of the Society of Physics Students scholarship program is to encourage the study of physics and the pursuit of high scholarship. In memory of her late husband Dr. Herbert Levy, Margaret Sussman Levy bequeathed funds to establish this scholarship award "to be used for a worthy, needy physics student" to attain a quality physics education. The award consists of a \$2,000 scholarship.

In determining the recipients, the SPS Scholarship Committee shall consider financial need (as described in the statement of financial need) and the following criteria:

- high scholarship performance both in physics and overall studies,
- the exhibition of the potential and intention for continued scholastic development in physics, and
- active participation in SPS programs.

Society of Physics Students Leadership Scholarships From the Society of Physics Students (SPS)

Scholarship Website: <https://www.spsnational.org/scholarships/leadership>

Scholarship Application: <https://aipspssite-ym.com/Login.aspx?returl=%2fgeneral%2fcustom.asp%3fpage%3dFRSignin>

Amount: \$2,000-\$5,000

Deadline: March 15th, 2018

Major: physics

Class Standing: junior

Criteria: must be an active member of the national SPS organization • demonstrate leadership potential
• exhibit the intention for continued scholastic development in physics.

Contact Information: Society of Physics Leadership Scholarships • 301-209-3007 • SPS-Programs@aip.org

Leadership Scholarships From the Society of Physics Students (SPS)

Scholarship Website: <https://www.spsnational.org/scholarships/leadership>

Amount: \$2,000-\$5,000

Deadline: March 22nd, 2018

Class Standing: junior and plan to be enrolled as an undergraduate for at least one more semester

Major: Physics

Criteria: Must be undergraduate members of SPS national organization • high scholarship performance in both physics and overall studies • must have intention for continued scholastic development in physics

Contact information: SPS-Programs@aip.org

The Hispanic Scholarship Fund College Scholarships

Scholarship Website: https://www.hsf.net/en_US/scholarship

Amount: \$500 - \$5,000 based on relative need

Deadline: March 30th, 2018

GPA: 2.5 minimum on a 4.0 scale (college students)

Class Standing: undergraduate/graduate student

Major: Any major with an emphasis on STEM majors

Criteria: Plan to enroll full-time in an accredited, not-for-profit 4-year university or graduate school during the fall of a scholarship cycle • U.S. citizen, permanent legal resident, DACA or eligible non-citizen (as defined by FAFSA) • completed FAFSA • must be of Hispanic heritage

Contact information: Scholarship director • 310-9759-3700

Scholarship Information:

The HSF Scholarship is designed to assist students of Hispanic heritage obtain a college degree. Scholarships are available, on a competitive basis, to:

- High school seniors
- Undergraduate students (all years)
- Community college students transferring to four year universities
- Graduate Students

Cognizant Accelerate Diversity Scholarship From Cognizant

Scholarship Website: <https://www.cognizant.com/about-cognizant-resources/accelerate-diversity-scholarship-summary-and-eligibility-2018.pdf>

Amount: \$5,000

Deadline: March 31st, 2018

GPA: 2.5 minimum

Class Standing: sophomore or junior

Major: STEM or business major with a focus on pursuing a career in IT and related business services

Criteria: Currently enrolled as a sophomore or junior at an accredited 4 year college • Enrolled as a STEM or Business major with a focus on pursuing a career in IT and related business services • Able to demonstrate commitment to the value of diversity (see application requirements) • A citizen or legal permanent resident of the United States

Contact information: Kathryn Nash • 713-446-2343 • USCampusTeam@cognizant.com

Scholarship Description:

Cognizant believes that more diversity in the talent pool leads to more diversity of thought, improved creativity in solving problems, greater innovation and delivers a distinct business advantage in today's competitive global and digital economy.

Completely Cognizant is our commitment to diversity:

- Our People: Our associates are ambassadors of diversity, representing Cognizant's commitment to a rich and dynamic work environment.
- Our Culture: We purposefully design our culture to empower our employees and leaders to become catalysts for diversity.
- Our Clients: Our diversity provides a broad foundation for supporting our global clients, helping us span cultural, political and social differences.
- Our Community: We are committed to creating educational opportunities that strengthen and develop a diverse global work force.

Cognizant's Accelerate Diversity scholarship program addresses the conundrum that while the future has never looked brighter for STEM careers there is evidence that these exciting careers are failing to attract broad segments of our population. This unique scholarship is designed from a Cognizant perspective to identify and develop diverse talent for the Future of Work.

The Gladys Carol Scholarship Program, Inc.

Scholarship Website: <http://gcsp.vpweb.com/>

Amount: \$2,500 - \$5,000

Deadline: March 31st, 2018

GPA: 3.75

Major: STEM (science, engineering, technology, engineering or math)

Criteria: Open to high school seniors, high school graduates, and current undergraduate students who are United States citizens or permanent residents • must be accepted to or enrolled in a full time STEM program at an accredited, non-profit public or private four-year college or university in the U.S.

Notes/Other: Renewable for a consecutive year if requirements are met

Contact information: 74404 Pinon Drive • 29 Palms, CA 92277 • GCSP@outlook.com

Minority Educational Institution Student Partnership Program From the U.S. Department of Energy

Scholarship Website: <https://doemeispp.org/home>

Scholarship Application: <https://doemeispp.org/application>

Amount: 8-10 week summer internship

Deadline: March 31st, 2018

GPA: 3.0

Class Standing: Undergraduate/graduate

Criteria: 18 years of age • have at least 24 undergrad hours • enrolled full time • US Citizen

Notes/other: Participants work alongside leading scientists and professionals, online application, 2 recommendation letter required

Contact information: 202-745-3700 • meisppinternship@varcom.com

HENAAC Scholars Program
From the Hispanic Engineer National Achievement Awards Corporation
(HENAAC)

Scholarship Website: <http://www.greatmindsinstem.org/college/henaac-scholarship-application-guidelines>

Scholarship Application: <http://www.greatmindsinstem.org/college/scholarship-application-information>

Amount: \$1000

Deadline: April 30th, 2018

GPA: 3.0 or higher

Major: science, technology, engineering or math degree

Criteria: Applicants must demonstrate merit and be of Hispanic origin and/or must significantly demonstrate leadership or service within the Hispanic community • recipients must be enrolled in an accredited undergraduate or graduate program for the preceding fall semester, at an accredited 2-year or 4-year college/university in the U.S. or its territories

Contact information: HENAAC • 323-262-0997 • scholars@greatmindsinstem.org

The Rubber Division, American Chemical Society (ACS) Undergraduate Scholarship From ACS

Scholarship Website: <http://www.rubber.org/student-scholarships>

Scholarship Application: <https://www.rubber.org/Data/Sites/22/Assets/pdfs/undergraduate-scholarship-application.pdf>

Amount: up to \$5,000

Deadline: March 1st, 2018

GPA: 3.0 minimum

Class standing: junior/senior

Major: chemistry, physics, chemical engineering, mechanical engineering, polymer science, other technical discipline of relevance to the rubber industry.

Criteria: "B" or better academic average for all undergraduate work • three semesters or six terms completed • applicants must be enrolled in a fully accredited university or college in USA, Canada, Mexico, Brazil or India • serious interest in full-time professional employment in the rubber industry

Contact Information: Heather Maimone • Membership Manager • Rubber Division, ACS • 411 Wolf Ledges Pkwy., Ste 201 • Akron, OH 44311 • 330-595-5540 • hmaimone@rubber.org