

Scholarships for STEM Majors

1. **American Association of Candy Technologists Scholarship –**

Application Deadline: April 12, Annually

Amount: \$5,000

College sophomores, juniors and seniors could qualify for \$5,000 in scholarship funds if they carry a 3.0 GPA and major in food science or other related areas. Sounds like a sweet deal!

2. **BILL AND MELINDA GATES FOUNDATION-**

Application Deadline: January 16, Annually

Amount: Varies

Millennium Scholarships in Mathematics, Science, Engineering, Education or Library Science for Minority High School Seniors Entering College. The Gates Millennium Scholars (GMS) Program provides outstanding African American, American Indian/Alaska Native, Asian Pacific Islander American, and Hispanic American students with an opportunity to complete an undergraduate college education in any discipline area of interest. Continuing Gates Millennium Scholars may request funding for a graduate degree program in one of the following discipline areas: computer science, education, engineering, library science, mathematics, public health or science.

3. **AMERICAN METEOROLOGICAL SOCIETY - Scholarships and Fellowships.**

Application Deadline: Varies

Amount: Varies

AMS Freshman Undergraduate Scholarships. The scholarship program is open to all high school students and designed to encourage study in the atmospheric and related sciences.

4. **AMS Minority Scholarships-**

Application Deadline: Varies

Amount: Varies

The scholarships help support the college educations of minority students traditionally underrepresented in the sciences, especially Hispanic, Native American, and Black/African American students, who intend to pursue careers in the atmospheric or related oceanic and hydrologic sciences. Minority students who will be entering their freshman year of college in the fall are eligible to apply.

5. **INTEL EDUCATION INITIATIVE – Competitions.**

Application Deadline: Varies

Amount: Up to \$100,000

Intel Science Talent Search for High School Seniors. America's oldest and most prestigious pre-college science competition.

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6. SIEMENS FOUNDATION - Resources for Students.

Application Deadline: Varies

Amount: Up to \$100,000

Siemens Math, Science and Technology Competition for High School Students - The Siemens Competition in Math, Science & Technology recognizes remarkable talent early on, fostering individual growth for high school students who are willing to challenge themselves through science research. Through this competition, students have an opportunity to achieve national recognition for science research projects that they complete in high school.

7. Four-Year Nursing College Scholarships for High School Seniors

Application Deadline: Varies

Amount: Varies

Available to students interested in pursuing Bachelor of Science degree in nursing (BSN).

8. AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS - Scholarships and Grants.

Application Deadline: Varies

Amount: Varies

High School Senior Scholarships. Available to college freshmen enrolled full-time in an undergraduate pre-engineering or engineering technology program leading to a bachelor's degree in a course of study that traditionally has been a preparatory curriculum for the HVAC&R profession.

9. FIRST (FOR INSPIRATION AND RECOGNITION OF SCIENCE AND TECHNOLOGY) - Scholarship Program.

Application Deadline: Varies

Amount: Up to the full four-year tuition (estimated at \$160,000)

College Scholarships for High School Seniors. FIRST scholarships enable students to pursue majors and careers in engineering, computer science, science, math, design, aeronautics, and many other fields.

10. GREAT LAKES STEM SCHOLARSHIPS FOR UNDERGRADUATE AND GRADUATE STUDENTS

Application Deadline: May 11, Annually

Amount: \$2,500

Available to U.S citizen or permanent resident, full-time students with a declared major field of study in science, technology, engineering, or math at a public or private two-year or four-year college, university, or vocational-technical school with a GPA of 2.75. Must demonstrate financial need.

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11. NATIONAL SCIENCE FOUNDATION STEM Scholarships for Undergraduate

Application Deadline: January 5, Annually

Amount: \$5,000

The candidate must be enrolled full time (12+ credit hours) at CGCC in a degree program at the associate level in one of the following disciplines. Enrollment must be full time for each semester a student received a scholarship. A Grade Point Average (GPA) of 2.75 or higher. The average scholarship amounts to \$2500 per semester.

12. ANS UNDERGRADUATE SCHOLARSHIP

Application Deadlines: February 01, Annually

Amount: Varies

A maximum of four scholarships for undergraduate students who have completed one year in a course of study leading to a degree in nuclear science, nuclear engineering, or a nuclear-related field and who will be sophomores in the upcoming academic year; and a maximum of 21 scholarships for students who have completed two or more years and will be entering as juniors or seniors.

13. Dr. Alma Adams Scholarship

Application Deadlines: April 30, Annually

Amount: 10,000

As an expression of gratitude to Dr. Alma S. Adams for giving six years of dedicated service and leadership on its Board of Directors, the American Legacy Foundation has established a scholarship fund in her honor. The Dr. Alma S. Adams Scholarship for Outreach and Health Communications to reduce tobacco use among Priority Populations will award a total of \$10,000 Annually for up to two candidates to pursue undergraduate or graduate studies at an accredited institution of higher education in the United States.

14. BECA, Inc. Edna R. Anthony Memorial Scholarship

Application Deadlines: March 31, Annually

Candidates for the BECA, Inc. Edna R. Anthony Memorial Scholarship must: - Be enrolled as a high school senior and maintain at least a 2.5 grade point average. - Plan to attend a historically black college or university and declare a major in criminal justice, journalism/communications or nursing/healthcare. - Submit a 1000 word essay on "Why I want to pursue a career in one of the following areas of study: criminal justice, journalism or nursing".

15. Ford Motor Company Tribal Scholarship

Application Deadlines: May 31, Annually

Amount: \$5,000

Ford Motor Company will award up to \$5,000 Annually, based on financial need. The scholarship is for students studying math; science; engineering; business; teacher training; or environmental science. To be eligible for the Ford/American Indian College Fund Corporate Scholars Program student must: - Have at least a 3.0 grade point average; - Have achieved sophomore status and

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declared a major in math; science; engineering; business; teacher training; or environmental science;

- Demonstrate leadership and commitment to the American Indian community;
- Be American Indian, Alaska Native or Hawaii Native with proof of enrollment or descendancy;
- Have submitted a Federal Application for Federal Student Aid (FAFSA).

16. National GEM Consortium - GEM Fellowships

Application Deadlines: November 15, Annually

GEM provides three fellowship programs: MS Engineering, Ph.D. Engineering and Ph.D. Science. These fellowship opportunities are for students pursuing a master's degree or doctorate in science, engineering or a closely related field. The deadline for applications is November 15. Applicants are required to submit transcripts and three letters of recommendation.

17. Society of Hispanic Professional Engineers Scholarships

Application Deadlines: May 01, Annually

Hispanic college students pursuing degrees in science, technology, engineering and math (STEM) are invited to apply for more than \$2 million in scholarships through AHETEMS (Advancing Hispanic Excellence in Technology, Engineering, Math and Science), the educational foundation of the Society of Hispanic Professional Engineers (SHPE).

18. Technical Womens Organization Scholarship

Application Deadlines: May 21, Annually

In keeping with Technical Women's Organization (TWO) national goals, TWO, an Employee Association(EA)of the Federal Aviation Administration (FAA),encourages studies that will advance or enhance an individual's career within a technical field. TWO offers five scholarships every year to individuals who are in or are pursuing a technical career. Four of these scholarships go to those within the technical field.

19. Woods Hole Undergraduate Fellowships for Minorities

Application Deadlines: February 15, Annually

Minority Fellowships are awarded to undergraduate students who have completed at least two semesters of undergraduate study at a U.S. college or university and are interested in the marine sciences, oceanographic engineering, or marine policy. Students must be U.S. citizens or permanent residents in order to apply. Under-represented groups included for consideration in this particular program include African-American or Black; Asian-American; Chicano, Mexican-American, Puerto Rican or other Hispanic; and Native American.

20. ANS Robert A. Dannels Memorial Scholarship

Application Deadlines: February 01, Annually

Applicants for the Robert A. Dannels Memorial Scholarship must be a U.S. citizen or permanent resident. Students applying for this scholarship must be enrolled in a course of study relating to

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a degree in nuclear science or nuclear engineering in a U.S. institution and must be enrolled in a graduate-level course of study leading toward a degree in mathematics and computation.

21. WHOI Summer Student Fellowship Program

Application Deadlines: February 15, Annually

Summer Student Fellowships at the Woods Hole Oceanographic Institution are awarded to undergraduate students who have completed their junior or senior year at colleges or universities and are studying in any of the fields of science or engineering including but not limited to the fields of biology, chemistry, engineering, geology, geophysics, mathematics, meteorology, physics, oceanography, and and marine policy. Students must have at least a tentative interest in the ocean sciences, oceanographic engineering, mathematics, or marine policy. Persons from underrepresented groups are encouraged to apply.

22. AIAA Foundation Undergraduate Scholarship Program

Application Deadlines: January 31, Annually

The AIAA Foundation undergraduate scholarship program awards 30 scholarships of \$2,000 to college sophomores, juniors, and seniors each year. All participants can apply to renew \$2,000 scholarships Annually until graduation.

23. APS/IBM Research Internship for Undergraduate Women

Application Deadlines: February 01, Annually

The American Physical Society and IBM co-sponsor a research internship program for undergraduate women. The goal is to encourage women students to pursue graduate studies in science and engineering. The internships are salaried positions typically 10 weeks long at one of three IBM research locations (San Jose, CA, Austin, TX, or Yorktown Heights, NY), and give the opportunity to work closely and give the opportunity to work closely with an IBM mentor.

24. American Society for Enology and Viticulture Scholarships

Application Deadlines: March 01, Annually

The American Society for Enology and Viticulture Annually awards numerous scholarships to students pursuing a degree in enology, viticulture, or a curriculum emphasizing a science basic to the wine and grape industry. The awards are not in predetermined amounts and may vary from year to year.

25. AMS Freshman Undergraduate Scholarship

Application Deadlines: February 08, Annually

The AMS Freshman Undergraduate Scholarship program is open to all high school students and designed to encourage study in the atmospheric and related sciences.

26. The Robert B. Oliver ASNT Scholarships

Application Deadlines: February 15, Annually

Amount: \$2,500

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The ASNT Robert B. Oliver Scholarship is a \$2,500 award given to recognize an undergraduate, associate or post-secondary student working toward a degree in nondestructive testing or nondestructive evaluation (NDT/NDE). The scholarship is awarded to the student submitting the best original paper on nondestructive testing. The paper should cover an original concept in NDT and may be based on practical experience, laboratory work or library research. A maximum of three awards is presented each year.

27. Astronaut Scholarship Foundation

Application Deadlines: Varies

The Astronaut Scholarship Foundation was created to ensure that the United States would maintain its leadership in science and technology in the future by supporting promising students in science and engineering. Scholarship candidates must be nominated by faculty members. Students may not apply directly for the scholarship.

28. Congress-Bundestag Youth Exchange for Young Professionals

Application Deadlines: December 01, Annually

The Congress-Bundestag Youth Exchange (CBYX) for Young Professionals is a full-year work-study fellowship program with a strong focus on cultural exchange. CBYX Annually provides 75 young Americans with an understanding of everyday life, education, and professional training in Germany. The program begins in July and includes two months of intensive German language training in Germany (no prior German language knowledge required), four months of classroom instruction at a German university or college of applied sciences, and a five-month internship in each participant's career field.

29. Davidson Fellows Scholarship

Application Deadlines: February 20, Annually

Amount: Up to \$50,000

The Davidson Fellows Scholarship Program, established in 2001, recognizes exceptional students and supports them in the fulfillment of their potential. Each year, Fellows are awarded scholarships of \$50,000, \$25,000 or \$10,000 and are recognized for their achievements at a special awards reception in Washington, D.C. The application categories are Science, Technology, Mathematics, Literature, Music, Philosophy and Outside the Box

30. Elizabeth J. Davis Scholarship

Application Deadlines: March 08, Annually

The Elizabeth J. Davis Scholarship was established to assist home health care professionals with obtaining advanced degrees, as well as students seeking a bachelor's degree in a health profession or students seeking home health aide certification. Eligibility: - Attend an accredited school approved for federal Title IV funding (Pell grants, Stafford loans, PLUS loans) - Seek education or training related to a health profession or home health care

- Demonstrate financial need
- Intend to work in Vermont for a minimum of two years

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31. HSF/Procter & Gamble Company Scholarship

Application Deadlines: February 28, Annually

The Hispanic Scholarship Fund (HSF) and Procter & Gamble Company have partnered to provide financial resources to assist outstanding Latino undergraduates pursuing degrees in the STEM field (Science, Technology, Engineering and Mathematics). The award amount is \$2,500.

Eligibility Requirements - Be of Hispanic heritage - Be a U.S. citizen or legal permanent resident with a permanent resident

Have a minimum cumulative grade point average (GPA) of 3.0 on a 4.0 scale

- Must major in a Science, Technology, Engineering and Mathematics (STEM) field
- Have plans to enroll FULL-TIME in a degree seeking program at a U.S. accredited institution in the U.S., Puerto Rico, U.S. Virgin Islands or Guam during the upcoming academic year
- Must apply for federal financial aid by completing the Free Application for Federal Student Aid (FAFSA)

32. Jim & Anna Hyonjoo Lint Scholarship

Application Deadlines: July 31, Annually

The Jim & Anna Hyonjoo Lint Scholarship is offered to help further the education and career development of scholars, especially in the areas of International Affairs, Counterintelligence and National Security. Workers in these fields and their children are encouraged to apply with the goal of improving national security and global understanding. Based upon availability, a minimum of one scholarship will be awarded per year.

33. Dr. Robert H. Goddard Memorial Scholarship

Application Deadlines: January 07, Annually

The National Space Club awards a \$10,000 scholarship each year, in memory of Dr. Robert H. Goddard, America's rocket pioneer. The scholarship is presented at the Goddard Memorial Dinner each spring, for the following academic year. The award is given to stimulate the interest of talented students in the opportunity to advance scientific knowledge through space research and exploration.

34. Paul and Ellen Ruckes Scholarship

Application Deadlines: April 30, Annually

Amount: \$1,000

The Paul and Ellen Ruckes Scholarship provides one (1) scholarship of \$1,000 to an undergraduate or graduate student studying in the field of engineering or in computer, physical or life sciences.

35. SMART Scholarship for Service

Application Deadlines: December 14, Annually

Amount: Up to 38,000 (Stipend)

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The Science, Mathematics and Research for Transformation (SMART) Scholarship for Service is a scholarship for service program that provides students with a stipend (starting between \$22,500 and \$38,000 per year), full tuition, health coverage, book allowance of \$1,000, and other education expenses. SMART has been established by the Department of Defense (DoD) to support the education, recruitment and retention of undergraduate and graduate students in science, technology, engineering, and mathematics (STEM) studies. The SMART Scholarship for Service Program is open only to U.S. citizens and nationals, and students must be at least 18 years of age to be eligible. There is an employment opportunity with the DoD with this program.

36. Applied Science STEM Stars NSF S-STEM Scholarship

Application Deadlines: March 31, Annually

Amount: \$5,000

These scholarships will be awarded to 5 current or articulating Applied Science students. Recipients will be awarded a maximum of \$5,000 or their FAFSA estimated “financial need”, whichever is less. This scholarship is not renewable. Applicants who demonstrate academic promise and a commitment to Applied Science will be invited to the Applied Science NSF S-STEM Invitational

37. Franklin D. Boyce Annual Health Scholarship

Application Deadlines: February 15, Annually

Amount: \$2,500

This Franklin D. Boyce Annual Health Scholarship awards \$2,500 to promote health occupations and is potentially renewable for three additional consecutive years. Eligible students for this scholarship must live in Hopewell, Prince George, Petersburg or the surrounding areas. Completed applications must be received in the Foundation office on or before February 15th by 4:00 p.m.

38. Science Service Intel International Science & Engineering Fair (ISEF)

Application Deadlines: Varies

This is a competition based scholarship program. A student must enter a local, regional, state or country science fair that is affiliated with Science Service before advancing to the Intel International Science and Engineering Fair (ISEF). (A complete list of affiliated fairs can be found on our website at www.sciserv.org.)