



College Preparation Survival Kit  
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## STEM Scholarships

The following scholarships are designated for students in STEM fields (Science, Technology, Engineering, and Mathematics.) This list is not intended to be comprehensive; therefore, you should check with your intended college or university for additional STEM scholarship opportunities.

### **A. H. Nickless Innovation Award**

The A. H. Nickless Innovation Award is an annual award for high school students ages 13-18 in Bay, Midland, Saginaw, and Tuscola Counties. There is \$77,500 in prizes awarded each year. The goal of this scholarship competition is to inspire passion for the STEM fields among high school students in the Great Lakes Bay Region.

[www.ahninnovationaward.com/index.html](http://www.ahninnovationaward.com/index.html)

### **AACE International Scholarships**

AACE International scholarships are available in amounts ranging from \$2000 to \$8000. Applicants must be currently enrolled full-time students who are enrolled in a program related to cost engineering/cost management. These programs include: Agricultural Engineering; Architectural Engineering; Building Construction; Business Administration; Chemical Engineering; Civil Engineering; Industrial Engineering; Manufacturing Engineering; Mechanical Engineering; Mining Engineering; Electrical Engineering; or Quantity Surveying.

[www.aacei.org/awards/scholarships/overview.shtml](http://www.aacei.org/awards/scholarships/overview.shtml)

### **Alice T. Schafer Mathematics Prize**

The Executive Committee of the Association for Women in Mathematics (AWM) calls for nominations for the Alice T. Schafer Mathematics Prize to be awarded to an undergraduate woman for excellence in mathematics.

[sites.google.com/site/awmmath/programs/schafer-prize](http://sites.google.com/site/awmmath/programs/schafer-prize)

### **AIAA Foundation Undergraduate Scholarship Program**

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. Applicant's scholarship plan shall be such as to provide entry into some field of science or engineering encompassed by the technical activities of AIAA.

[www.aiaa.org/Secondary.aspx?id=3199](http://www.aiaa.org/Secondary.aspx?id=3199)

### **American Chemical Society Scholarship – Midland Section**

The Midland Section American Chemical Society Endowed Scholarship provides financial support to college students seeking academic degrees in the chemical sciences at colleges and universities in the Section's area (Midland, Bay, Saginaw, Gratiot, and Isabella Counties). Students must be entering the sophomore, junior, or senior year of study.

[www.midlandfoundation.org/scholarships/](http://www.midlandfoundation.org/scholarships/)

### **Buick Achievers Scholarship**

The Buick Achievers Scholarship Program provides 100 students with up to \$25,000 a year, renewable for four years, and an additional 1,000 students with a one-time award of \$2,000. Applicants must plan to major in a course of study that focuses on Engineering/Technology or select Design and Business related programs of study. They also must demonstrate an interest in pursuing a career in the automotive or related industries using these areas of study.

[buickachievers.scholarshipamerica.org/information.php](http://buickachievers.scholarshipamerica.org/information.php)

### **Cyber Security Scholarship**

The Cyber Security scholarship is awarded annually to one high school senior or undergraduate college student who is currently or has attended high school in a rural community. In order to be considered for this scholarship, the applicant must demonstrate an interest in cyber security. The student must also be planning to attend college to pursue a degree in a computer technology related field, or already doing so as part of an undergraduate degree program.

[ruraltechfund.org/scholarships](http://ruraltechfund.org/scholarships)

### **F&P Division Scholarship**

The Fuels and Petrochemicals Division of AIChE (F&PD) is pleased to sponsor two \$1,000 one-time awards to exemplary high school seniors who plan on studying engineering or science. F&PD is committed to introducing high school students to careers in Fuels & Petrochemicals through its programs, helping to fuel the industry's need for top talent in the future.

[www.aiche.org/community/awards/fp-division-scholarship](http://www.aiche.org/community/awards/fp-division-scholarship)

### **Google Anita Borg Memorial Scholarship**

Google hopes to encourage women to excel in computing and technology and become active role models and leaders in the field. Google Anita Borg Scholarship recipients will each receive a financial award for the academic year. A group of female undergraduate and graduate students will be chosen from the applicant pool, and scholarships will be awarded based on the strength of each candidate's academic background and demonstrated leadership.

[www.google.com/anitaborg/](http://www.google.com/anitaborg/)

### **John J. McKetta Undergraduate Scholarship**

The John J. McKetta Undergraduate Scholarship is awarded to a chemical engineering undergraduate student (incoming junior or senior only), planning a career in the chemical engineering process industries (CPI).

[www.aiche.org/community/awards/john-j-mcketta-undergraduate-scholarship](http://www.aiche.org/community/awards/john-j-mcketta-undergraduate-scholarship)

### **The Maureen L. & Howard N. Blitman, P.E., Scholarship to Promote Diversity in Engineering**

The *Maureen L. and Howard N. Blitman, P.E., Scholarship to Promote Diversity in Engineering* is awarded annually to a high school senior from an ethnic minority (African-American, Hispanic, or Native American) who has been accepted into an ABET-accredited engineering program at a four-year college or university. The scholarship is awarded in two disbursements of \$2,500 each at the beginning of the fall and spring semesters of the freshman year.

[www.nspe.org/Students/Scholarships/blitman.html](http://www.nspe.org/Students/Scholarships/blitman.html)

### **Michigan Engineering Scholarships**

MSPE has established a scholarship program to aid resident graduating high school seniors in Michigan who have proven a genuine interest in an engineering career, and have chosen to pursue their engineering degree at an [ABET-accredited college or university in Michigan](#). Graduating high school seniors who are assisted by this scholarship program will be those whose academic records and personal qualifications indicate most clearly that they merit the highest consideration by the MSPE Scholarship Committee.

**Additional information: (requires Acrobat Reader to view)**

[Scholarship Application \(form fillable PDF\)](#)

[Scholarship Instructions](#)

**Schedule:** First Friday in February - Applications due to Chapter Scholarship Coordinators: May - Winners announced: Mid-August - Checks provided to colleges: Chair: Martha Thompson, P.E., F.NSPE, F.MSPE: Email: [Scholarship@MichiganSPE.org](mailto:Scholarship@MichiganSPE.org)  
<http://www.michiganspe.org/?page=Scholarships>

### **Michigan Council of Women in Technology Foundation's University Scholarship & Research Grant**

The MCWT Foundation offers one high school senior, two undergraduates (including one specifically for MCWT students members), and one graduate scholarship for women who are currently or will be enrolled in college-level courses at either a University or a Community College. Applicants must be studying for a career in Information Technology.

[www.mcwt.org/Scholarships\\_196.html](http://www.mcwt.org/Scholarships_196.html)

### **National Society of Professional Engineers**

Intended to support talented students studying engineering, these scholarships are made possible through generous contributions from NSPE members, corporations, and friends of NSPE. Multiple scholarships listed.

<http://www.nspe.org/resources/students/scholarships>

### **Nordson BUILDS: Building Success in Education and Career**

Nordson Corporation provides three different scholarship opportunities: Career & Technical, University Scholars, and Creating Equity in Industry. These scholarships are targeted at individuals who are pursuing careers in manufacturing, STEM, or business disciplines leading to a career in industry and corporate America. Scholarships ranging from \$2,000 to \$10,000 will be awarded to students planning to enroll or already enrolled in an accredited public or private not-for-profit postsecondary institution. Selection will be based on an overall assessment of academic promise, leadership skills, character, community service, school involvement, and unmet financial need.

[www.nordson.com/en-us/about-](http://www.nordson.com/en-us/about-nordson/community/Pages/NordsonBUILDSscholarshipProgram2.aspx?utm_source=MCAN+Update+--+April+16%2C+2015&utm_campaign=enews0416&utm_medium=email)

[nordson/community/Pages/NordsonBUILDSscholarshipProgram2.aspx?utm\\_source=MCAN+Update+--+April+16%2C+2015&utm\\_campaign=enews0416&utm\\_medium=email](http://www.nordson.com/en-us/about-nordson/community/Pages/NordsonBUILDSscholarshipProgram2.aspx?utm_source=MCAN+Update+--+April+16%2C+2015&utm_campaign=enews0416&utm_medium=email)

### **SanDisk Scholars Fund**

On January 6, 2012, the SanDisk Foundation created the SanDisk Scholars Fund, a \$1 million scholarship program that supports the educational goals of selected students who wish to pursue careers in science, technology, engineering, and mathematics (STEM). The SanDisk Scholars Fund awards scholarships of up to \$10,000 per student to graduating high school seniors, community-

college students, and students already enrolled in a STEM-related course of study who demonstrate a need for financial support in order to reach their academic goals.

[www.sandisk.com/about-sandisk/corporate-social-responsibility/community-engagement/sandisk-scholars-fund/](http://www.sandisk.com/about-sandisk/corporate-social-responsibility/community-engagement/sandisk-scholars-fund/)

### **Siemens Competition Scholarships**

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.

[www.siemens-foundation.org/en/competition.htm](http://www.siemens-foundation.org/en/competition.htm)

### **SMART Scholarship (Science, Mathematics, and Research for Transformation)**

The SMART Scholarship Program provides full tuition, paid summer internships, health insurance, and mentoring for students entering a variety of STEM fields. Students must also agree to accept paid employment with the Department of Defense for a set length of time after graduation.

[smart.asee.org/](http://smart.asee.org/)

### **Stan Beck Fellowship**

This Entomological Foundation award assists needy students at the graduate or undergraduate level of their education in entomology and related disciplines at a college or university in the United States, Mexico, or Canada. The need is based on physical limitations or economic, minority, or environmental conditions.

[www.entsoc.org/awards/student/beck](http://www.entsoc.org/awards/student/beck)

### **Steinman Scholarship Award**

The Steinman Scholarship is awarded annually to two current undergraduates entering the junior year in a four-year ABET-accredited engineering program. The awards are for \$5000 each.

[www.nspe.org/Students/Scholarships/steinman.html](http://www.nspe.org/Students/Scholarships/steinman.html)

### **STEM Teachers Scholarship**

The AFCEA Educational Foundation is offering at least 50 scholarships of \$5,000 each to students actively pursuing an undergraduate degree, graduate degree or credential/licensure for the purpose of teaching STEM (science, technology, engineering or math) subjects at a U.S. middle or secondary school. The scholarships are made possible by generous contributions from Booz Allen Hamilton, Terremark Worldwide, AFCEA International and several of AFCEA's regional chapters.

[www.afcea.org/education/scholarships/undergraduate/TeachersScholarship.asp](http://www.afcea.org/education/scholarships/undergraduate/TeachersScholarship.asp)

### **Wayne V. Black Memorial Scholarship**

In 2006, the Board of Directors of the Energy Telecommunications & Electrical Association (ENTELEC; [www.entelec.org](http://www.entelec.org)) established the Wayne V. Black Scholarship Award. Applicants must be working toward a Bachelor's degree in one of the following curricula: Engineering/Engineering Technology; Computer Science/MIS; Pre-law; Political Science; or Telecommunications/Information Technology.

[www.entelec.org/documents/Wayne\\_Black\\_Scholarship\\_12-13.pdf](http://www.entelec.org/documents/Wayne_Black_Scholarship_12-13.pdf)

