



**SHPE**<sup>SM</sup>  
Twin Cities

## The Society of Hispanic Professional Engineers – Twin Cities Chapter 2019 Academic Scholarship Information

The Society of Hispanic Professional Engineers, Twin Cities Professional Chapter (SHPE-TC) is dedicated to providing scholarship funds and educational support systems for engineering and science students of Hispanic/Latinx backgrounds. The SHPE-TC Academic Scholarship supports Hispanic/Latinx students in the fields of engineering and science. **The Chapter will be awarding multiple scholarships starting at \$1,000.**

National statistics indicate that Hispanic/Latinx students are neither enrolling nor completing engineering curricula in proportion to their increasing population. More students from Hispanic/Latinx backgrounds must be motivated, assisted financially, and supported with programs to complete higher education degrees. Over the last three years, the SHPE-TC Chapter has awarded \$40,000 in scholarships to local Hispanic/Latinx high school and college students pursuing STEM degrees. Scholarships typically range from \$1,000 to \$2,500.

### **Eligibility Requirements**

To be eligible for the SHPE-TC Academic Scholarship, you must:

- Be a high school senior, college or university student, or attending graduate school. The term college throughout this application includes community college.
- Be a resident of Minnesota, or a student attending a college or university in Minnesota (regardless of status)
- Be of Hispanic or Latino/Latina/Latinx heritage
- Have a minimum cumulative high school or college grade point average (GPA) of 2.75 on a 4.0 scale.
- Be planning to attend, or already attend an accredited U.S. college or university fall 2019. The term college throughout this application includes community college.
- Be planning to major in, or are currently majoring in, a degree program focused on science, technology, engineering, or mathematics (STEM) as defined by the Appendix on the National Science Foundation's document NSF-18-573. An abbreviated list and link to this document are provided later in this application.
- Be able to submit to SHPE-TC confirmation of your enrollment for the fall of 2019.
- Be able to attend the SHPE-TC Scholarship Gala, held on Friday May 3<sup>rd</sup>, if you are selected. The Gala will be held in the Twin Cities and award winners attend for free. Each award winner may bring one guest with them at no charge.

### **Application Materials to Submit**

- Application form, Personal Statement, Resume, and Letter of Recommendation
- Statement of financial need including expected family contribution (provide a copy of your FAFSA or MN Dream Act application)
- High school seniors:
  - Copy of acceptance letter from the college/university (if available)
  - Official or unofficial high school transcript – through December 2018
- College / university / graduate school students:
  - Proof of registration from the college/university
  - Official or unofficial college transcript – through December 2018
  - First-year undergraduate students, include your official high school transcript and high school GPA.

### **Application Deadline and Email Address**

Complete and e-mail the application NO LATER THAN March 25<sup>th</sup>, 2019 to [applications@shpetwincities.org](mailto:applications@shpetwincities.org). There will be no exceptions.



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### **Application Ineligibility and SHPE-TC Scholarship Committee Guidelines**

Students who have a parent or guardian that is a current SHPE-TC Board member are ineligible for this scholarship. Students who are living at the same address as current SHPE-TC Board members are ineligible for this scholarship.

If a SHPE-TC Scholarship Committee member is a relative, guardian, teacher, supervisor, or mentor for a student they will not review their application. SHPE-TC Scholarship Committee members will be asked to disclose any conflict of interest they have with student applications. If there is a conflict of interest they will not review that specific application. (SHPE-TC Scholarship Committee members can still write a letter of recommendation for a student they know, if they wish to do so.)

### **Application Timeline and Process**

Applications are due March 25<sup>th</sup> 2019. Partial applications will not be reviewed. The SHPE-TC Scholarship Committee will review the applications and determine award winners. **Winners will be contacted by email** for confirmation of attendance at the SHPE-TC Gala, and if necessary, for other parts of their application. If students complete their application before official transcripts or acceptance letters have been received, they must provide these materials prior to scholarship allocation.

All applicants will be notified before the SHPE-TC Gala, including those who are not awarded scholarships. **The SHPE-TC Scholarship Committee will make every effort to notify award winners at least two weeks prior to the SHPE-TC Gala.** The exact number of scholarships and amounts of scholarships can vary from year to year. Unfortunately we cannot be specific at this time because we expect to receive additional sponsorship and scholarship funds between when we release the scholarship applications and when the Scholarship Committee meets to review applications. Below are the details for the last two years.

2018: 11 total scholarships, 5 high school, 6 college. 2 for \$2,500. 3 for \$2,000. 1 for \$1,250. 5 for \$1,000. Note that some high school winners received more than \$1,000.

2017: 12 total scholarships, 5 high school, 7 college. 1 for \$2,000. 2 for \$1,500. 9 for \$1,000. Note that some high school winners received more than \$1,000.

### **NOTE:**

Award winners must provide official transcripts to SHPE-TC prior to scholarship allocation. High school award winners must provide a copy of their acceptance letter from at least one college/university to SHPE-TC prior to scholarship allocation.

### **Application Format**

We accept applications in Word, PDF, or JPG format only. PDF is preferred. Applications can be submitted in separate files or in one file, either is fine. If you print out this application and fill it out by hand, please write legibly. Pages 5-8 are required. If you prefer to type your responses separately, that is fine, but please include all of the sections that are on this application and answer all of the questions. If you are unable to scan your signature for part D, you can type your name in the signature box.

### **Questions?**

If you have questions about the scholarship application, email [applications@shpetwincities.org](mailto:applications@shpetwincities.org). We will do our best to respond within 2 business days.

### **Want to Donate or Become a Sponsor?**

If you or your company would like to support SHPE-TC, email [external@shpetwincities.org](mailto:external@shpetwincities.org). Your support will allow us to provide more scholarships to deserving Hispanic/Latinx STEM students.



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Full listing available at: [National Science Foundation's document NSF-18-573](#). Note that degree programs listed below will not be available at all universities, colleges, or community colleges. Some degree programs, especially in the full listing, are only available at the post-bachelor's level.

### Abbreviated Listing of NSF STEM Degree Programs

CHEMISTRY

COMPUTER AND INFORMATION SCIENCES & ENGINEERING (including Software Engineering)

ENGINEERING, including all of the following:

- Aeronautical and Aerospace Engineering
- Bioengineering
- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical and Electronic Engineering
- Energy Engineering
- Environmental Engineering
- Industrial Engineering & Operations Research
- Materials Engineering
- Mechanical Engineering
- Nuclear Engineering
- Ocean Engineering
- Systems Engineering

GEOSCIENCES (including Geophysics and Marine Biology)

LIFE SCIENCES (including Biology, Biochemistry, Ecology, Genetics, Neurosciences)

MATERIALS RESEARCH

MATHEMATICAL SCIENCES (including Applied Mathematics, Probability, and Statistics)

PHYSICS & ASTRONOMY (including Astronomy and Astrophysics)

PSYCHOLOGY

SOCIAL SCIENCES, including all of the following:

- Anthropology
- Archaeology
- Communications
- Decision Making and Risk Analysis
- Economics
- Geography
- History and Philosophy of Science
- International Relations
- Law and Social Science
- Linguistics
- Political Science
- Public Policy
- Science Policy
- Sociology
- Urban and Regional Planning

STEM EDUCATION AND LEARNING RESEARCH, including all of the following:

- Engineering Education
- Science Education
- Mathematics Education
- Technology Education



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### CHECKLIST:

This is not part of the application but may help you ensure you have completed all parts of this application. The parts you must complete are on pages 5-8.

- GENERAL INFORMATION (PART A) p. 5 of this application
- RESUME
- Copy of ACCEPTANCE LETTER from college/university (if available) – High school students only
- Official or unofficial high school transcript and GPA – High school students (through December 2018) AND First-year undergraduate students (through end of high school)
- Proof of registration from the college/university – current college students
- Official or unofficial college transcript – through December 2018 – current college students
- PERSONAL STATEMENT (PART B) p. 6 of this application – limit 2 pages
- STATEMENT OF FINANCIAL NEED (PART C) p. 7 of this application – narrative has a limit of 1 page
- Expected Family Contribution information – copy of your FAFSA or MN DREAM ACT application
- NAME, DATE, SIGNATURE (PART D) p. 7 of this application
- LETTER OF RECOMMENDATION (PART E) p. 8 of this application - limit of 1 page



SHPE<sup>SM</sup>  
Twin Cities

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## Part A. GENERAL INFORMATION:

(Name: Last, First, Middle)	(Gender)

(Home Address)	(City)

(State)	(Zip Code)	(Home Phone or Cell Phone)

Ethnic Background:

High school you are graduating from spring 2019, or college/university currently enrolled in:

Schools (community college or university) that you are applying to with plans to start in fall 2019. Include all and city and state for each. (leave blank if currently in college)

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Planned STEM major or field of study (may list more than one):

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High school or college cumulative GPA (required)  (of 4.0)

Expected graduation date (month/year)

Extracurricular activities (not paid work):

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Leadership positions:

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**NOTE:** Remember that you also need to include your resume and letter of acceptance with your application.





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 2019 Academic Scholarship Information

**Part C. STATEMENT OF FINANCIAL NEED:**

Living with: (Please check one)	Both Parents or two Guardians	One Parent or one Guardian	Not with a parent or guardian (on own or with unrelated roomates)
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Total Number of family members living in your present household:

Is your family receiving any form of financial assistance? Yes  No

Are you currently employed?  If yes, how many hours per week?

What is your family's and/or your approximate annual income from all sources? (Also include explanation of any special circumstances.) Limit this statement to no more than one page.

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**NOTE:** Remember that you also need to include a copy of your FAFSA or MN Dream Act application.

**Part D: I certify that the statements and information provided in this application are true and accurate to the best of my knowledge.**

Date:  Applicant's printed name:

**(If you are unable to scan your signature, then type your name below. By doing so you affirm that the typed information below acts as your signature.)**

Applicant's signature:



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### **Part E: LETTER OF RECOMMENDATION:**

The Letter of Recommendation is to be completed by a teacher, community leader, supervisor, or mentor.

If the recommender prefers, they can directly email their letter of recommendation to SHPE-TC. The letter can be in email (text) or PDF format. PDF is preferred. E-mails must be sent no later than March 25<sup>th</sup>, 2019 to [applications@shpetwincities.org](mailto:applications@shpetwincities.org). There will be no exceptions.

Please comment on the applicant's 1) desire to further education, 2) ability & potential, 3) leadership & character and 4) mention what organization, school or other way you know the applicant through. Attach a separate page, and include the information listed below. Limit this statement to no more than one page.

Date	Signature of person writing recommendation	Title & employer
Email address	Phone number	
Printed Name of person writing recommendation		