

The Society of Hispanic Professional Engineers – Twin Cities Chapter 2023 Academic Scholarship Information

Twin Cities
Professional

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 STEM (science, technology, engineering and math.) **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. In order to close this glaring educational gap, more students from Hispanic/Latinx backgrounds must be motivated, assisted financially, and supported with programs to complete higher education degrees. Over the last five years, the SHPE-TC Chapter has awarded over \$60,000 in scholarships to local Hispanic/Latinx high school and college students pursuing STEM degrees. Scholarships typically range from \$1,000 to \$2,500 per student.

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 in fall 2023. 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). See p. 3 of this application for applicable majors.
- Be able to submit to SHPE-TC confirmation of your enrollment for the fall of 2023.
- A video award presentation or photos may be recorded for SHPE-TC social media. Scholarship winners may be requested to participate in the awards ceremony.

Application Materials to Submit

- Application form, Personal Statement, Resume, and Letter of Recommendation¹
- 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 high school transcript – through January 2023
- College / university / graduate school students:
 - Proof of registration from the college/university
 - Official college transcript – through January 2023
 - First-year undergraduate students include your official high school transcript and high school GPA.

1. This application form has the same content, but this file is a fillable PDF.

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Application Deadline and Email Address

We recognize that the COVID-19 virus has caused disruption for our scholarship applicants. Complete and e-mail the application NO LATER THAN **April 30th, 2023 at 11:59 pm CT** to applications@shpetwincities.org. There will be no exceptions.

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.

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 **April 30th 2023 at 11:59 pm CT** (local time in Minnesota). 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** regarding their participation in the awards ceremony, and if necessary, to answer other questions.

All applicants will be notified of the SHPE-TC Scholarship Committee's decision, including those who are not awarded scholarships. We expect to inform applicants no later than June 1st 2023. 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 funds between when we release the scholarship applications and when the Scholarship Committee reviews applications. Details for the last 3 years:

- 2022: 7 total scholarships, 2 high school, 5 college. 1 for \$1,000, 1 for \$1,500, 2 for \$2,000, 2 for \$3,000, and 1 for \$5,000. Total awarded to all scholars, \$17,500.
- 2021: 6 total scholarships, 2 high school, 4 college. 2 for \$2,000. 1 for \$1,500. 3 for \$1,000. Total awarded to all scholars: \$8,500.
- 2020: 10 total scholarships, 2 high school, 8 college. 1 for \$2,500. 3 for \$2,000. 1 for \$1,250. 5 for \$1,000. Total awarded to all scholars: \$14,750.
- 2019: 10 total scholarships, 4 high school, 6 college. 1 for \$3,500. 1 for \$2,500. 2 for \$2,000. 2 for \$1,500. 4 for \$1,000. Total awarded to all scholars: \$17,000.

NOTE: 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 5-9 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

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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.

Want to Donate or Become a Sponsor?

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

Eligible STEM Degree Programs – for the SHPE Twin Cities scholarship

This list is based on other standard definitions of STEM degrees, including the National SHPE list. Note that degree programs listed below will not be available at all universities, colleges, or community colleges.

* If your major is not listed below but you believe that it is an eligible STEM major, please email applications@shpetwincities.org to discuss before submitting your application.

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, Materials Engineering, Mechanical Engineering, Nuclear Engineering, Ocean Engineering, Software Engineering, Computer Engineering, Systems Engineering

HEALTH, including all of the following:

General Medical, Nursing, Pre-Med

MATHEMATICAL SCIENCES, including all of the following:

Actuarial Science, Pure Mathematics, Financial Mathematics, Probability and Statistics, Operations Research and Statistics, Computational and Applied Mathematics

SCIENCE, including all of the following:

Chemistry, Environmental Science, Food Science, Geoscience (including Geophysics and Marine Biology), Life Sciences (including Biology, Biochemistry, Ecology, Genetics, Neuroscience), Materials Research, Physics and Astronomy (including Astronomy and Astrophysics)

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 5-9.

- GENERAL INFORMATION (PART A) p. 5 of this application
- RESUME
- Copy of ACCEPTANCE LETTER from college/university (if available) – High school students only
- Official high school transcript and GPA – High school students (through January 2023) AND First-year undergraduate students (through end of high school)
- Proof of registration from the college/university – current college students
- Official college transcript – through January 2023 – 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. 8 of this application
- LETTER OF RECOMMENDATION (PART E) p. 9 of this application - limit of 1 page



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Part A. GENERAL INFORMATION:

<input type="text"/>	<input type="text"/>
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(Name: Last, First, Middle)

(Gender)

<input type="text"/>	<input type="text"/>
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(Home Address)

(City)

<input type="text"/>	<input type="text"/>	<input type="text"/>
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(State)

(Zip Code)

(Home Phone or Cell Phone)

Preferred email address (please check for responses):

Ethnic Background:

Are you a first-generation college student? (Your parents have not graduated from college.)

If yes, do you have an older sibling who is a college graduate or enrolled in college?

High school you are graduating from spring 2023, or college/university currently enrolled in:

Schools (community college or university) that you are applying to with plans to start in fall 2023. Include all and city and state for each. (leave blank if currently in college)

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

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

Expected graduation date (month/year)

Extracurricular activities (not paid work):

Leadership positions:



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Part B. PERSONAL STATEMENT:

How will your chosen field of study assist you in reaching your long-range goals beyond a college degree? What are the most important issues this field is facing today? Discuss a special attribute or accomplishment that sets you apart. Please explore individual goals, what inspired you to choose your planned major and profession, and aspects other than the need for financial assistance. (Your need for financial assistance will be covered in a separate section of the application.) This can be handwritten or typed and attached separately. Limit this statement to no more than two pages.

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Part C. STATEMENT OF FINANCIAL NEED:

Living with: (Please check one)

<input type="checkbox"/>	Both Parents or two Guardians	<input type="checkbox"/>	One Parent or one Guardian	<input type="checkbox"/>	Not with a parent or guardian (on own or With unrelated roommates)
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Total Number of family members living in your present household:

Expected Family Contribution (* from FAFSA or MN Dream Act):

Are you currently employed?

If yes, where and how many hours per week?

What is your family's and/or your approximate annual income from all sources? (Also include an 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.

If awarded a scholarship I plan to do my best to participate in the awards ceremony.

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. Only one letter of recommendation will be accepted and reviewed.

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 **April 30th, 2023 at 11:59 pm CT** to 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.

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Date

Signature of person writing recommendation

Title & employer

--

Email address

--

Phone number

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Printed Name of person writing recommendation