



**ENGINEERING SCHOLARSHIP PROGRAMS**  
**HEMLOCK SEMICONDUCTOR SCHOLARSHIP**  
**2021 APPLICATION**



**Michigan  
Technological  
University**

# ENGINEERING SCHOLARS PROGRAM | HEMLOCK SEMICONDUCTOR SCHOLARSHIP

## Michigan Tech Summer Youth Programs

THE ENGINEERING SCHOLARS PROGRAM WILL BE HELD ON  
THE CAMPUS OF MICHIGAN TECHNOLOGICAL UNIVERSITY JULY 25-31, 2021.

*THIS IS YOUR OPPORTUNITY TO LEARN MORE ABOUT ENGINEERING AND SCIENCE AND EXPERIENCE UNIVERSITY LIFE.*

### PROGRAM INFORMATION

This high school program investigates engineering careers in mechanical, computer, environmental, electrical, chemical, biomedical, civil, geological, materials, and related disciplines.

- Work in teams to solve engineering problems and complete engineering projects.
- Explore engineering by constructing a building strong enough to withstand an earthquake and creating your own message encryptor (share secrets only your friends can read).
- Hear from role models working in engineering fields.
- Learn about the college application process and tips for succeeding in university engineering programs.
- Experience college life—stay in a residence hall, explore campus, and meet others with similar backgrounds and interests.
- Enjoy team competitions, a variety show, and outdoor activities in Michigan's Keweenaw Peninsula.

Arrangements can be made for you to speak with faculty from disciplines or areas of special interest, as well as admissions and financial aid staff. If this interests you, please let SYP staff know.

### HOW TO APPLY

The application deadline is 5 PM, Saturday, April 10, 2021. For early acceptance, submit applications by 5 PM, Monday, March 1, 2020. Late applications may be considered if additional scholarships become available. Visit [mtu.edu/syp](http://mtu.edu/syp) to apply online or to download additional applications. Send in your completed **application**, including a **teacher recommendation**, the required **short responses to questions**, and a copy of your **unofficial school transcript**.

### COST

All selected participants will receive a scholarship valued at over \$1,000, which covers all tuition, classroom supplies, room, board, and transportation. There will be a refundable \$50 'earnest money' deposit required of all selected participants. Do not send in payment at the time of application! More information will be sent to selected students. Anyone with concerns about the deposit should contact the Center for Educational Outreach office at the information below.

### TRANSPORTATION

A charter bus from the Bay City area will be available for students to travel to Michigan Tech.

### SELECTION CRITERIA

Participants are selected on a competitive basis. It's helpful to have a strong background in math and science and an interest in technological studies. Preference will be given to applicants entering 11th or 12th grade who have had two years of high school math and science. However, outstanding younger students and those without these prerequisites will be considered. The selection committee reviews application materials, involvement in extracurricular activities and outside interests or responsibilities, short responses to questions, teacher recommendations, and school transcripts. Neatness, accuracy, and following directions will also be considered. This scholarship is intended for students attending schools in Midland, Gratiot, Bay and Saginaw Counties. At least one award will be guaranteed per school with applicants; more than one from a given school will be considered if additional spots remain.

**Previous WIE or ESP participants are not eligible to attend this program.**

### APPLICATION CHECKLIST

- |                                                          |                                                               |
|----------------------------------------------------------|---------------------------------------------------------------|
| <input type="checkbox"/> Completed application           | <input type="checkbox"/> Signature of applicant               |
| <input type="checkbox"/> Short responses to questions    | <input type="checkbox"/> Copy of unofficial school transcript |
| <input type="checkbox"/> Signature of parent or guardian | <input type="checkbox"/> Teacher recommendation letter        |

## CONTACT OUR OFFICE WITH ANY QUESTIONS.

Michigan Tech Summer Youth Programs—ESP  
Administration Building 217  
1400 Townsend Drive  
Houghton, MI 49931-1295

Toll-free 888-773-2655  
[esp@mtu.edu](mailto:esp@mtu.edu)

[mtu.edu/syp](http://mtu.edu/syp)

# COMPETITIVE SCHOLARSHIP PROGRAMS APPLICATION

Application deadline is 5 PM (EST), Saturday, April 10, 2021. For early decision, submit application by 5 PM (EST), Monday, March 1, 2021. Late applications may be considered if additional scholarships become available.

Please complete both sides of this application and send it with your unofficial transcript, teacher recommendation, and short responses to questions. **The payment form and registration fee will be due within 10 days of being accepted into the program to complete your enrollment. Do not send your payment now.**

Legal name \_\_\_\_\_  
First M. I. Last Suffix (Jr., Sr., II, etc.)

Preferred name/nickname \_\_\_\_\_  
This is how your name will appear on your participant ID.

## WHICH PROGRAMS ARE YOU APPLYING TO? HAVE YOU APPLIED TO OR ATTENDED ANY PROGRAMS IN THE PAST?

Rail and Intermodal Transportation (RIT)	<input type="checkbox"/> Applying Now	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended
National Summer Transportation Institute (NSTI)	<input type="checkbox"/> Applying Now	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended
Engineering Scholars Program (ESP)	<input type="checkbox"/> Applying Now	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended
Women in Engineering (WIE)	<input type="checkbox"/> Applying Now	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended
Junior Women in Engineering (JWIE)	<input type="checkbox"/> Applying Now	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended
If applying now for JWIE, please select preferred week:	<input type="checkbox"/> No Preference	<input type="checkbox"/> July 18-24	<input type="checkbox"/> July 25-31
Women in Automotive Engineering (WIAE)	<input type="checkbox"/> Applying Now	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended
Women in Computer Science (WICS)	<input type="checkbox"/> Applying Now	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended
Summer Youth Programs (SYP)	<input type="checkbox"/> Applying this year	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended

Which SYP Exploration? \_\_\_\_\_

If you are applying to **more than one** scholarship program for 2021, which would you most like to attend? Please rank in order:

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

## CONTACT INFORMATION

Participant's email \_\_\_\_\_  
Address/PO Box \_\_\_\_\_  
City \_\_\_\_\_  
State/province \_\_\_\_\_ ZIP or postal code \_\_\_\_\_  
County \_\_\_\_\_ Country \_\_\_\_\_  
Home phone \_\_\_\_\_  
Participant's cell phone \_\_\_\_\_

## SCHOOL INFORMATION

What is the name of the school you attended this year? \_\_\_\_\_  
School Address \_\_\_\_\_  
City \_\_\_\_\_ State/province \_\_\_\_\_  
Zip or postal code \_\_\_\_\_ Country \_\_\_\_\_  
What grade will you have completed by June 2021? \_\_\_\_\_  
Current class rank \_\_\_\_\_ out of \_\_\_\_\_ Cumulative GPA \_\_\_\_\_  
**Note:** If your school uses a grading system other than the 4.0 scale, an explanation of the method must accompany your transcript.

## PERSONAL INFORMATION

Gender \_\_\_\_\_ Birth date \_\_\_\_\_ Age \_\_\_\_\_

Does participant have relatives who graduated from Michigan Tech? Please list their name, class year, and relation to you.

Name _____	Class year _____	Relation _____	Name _____	Class year _____	Relation _____
Name _____	Class year _____	Relation _____	Name _____	Class year _____	Relation _____

## PARENT/GUARDIAN INFORMATION:

Parent first name M. I. Last name Suffix \_\_\_\_\_  
Relationship to applicant \_\_\_\_\_  
Evening phone \_\_\_\_\_ Day phone \_\_\_\_\_  
Cell phone \_\_\_\_\_ Email \_\_\_\_\_  
Is your address the same as the participant's?  Yes  No

Parent first name M. I. Last name Suffix \_\_\_\_\_  
Relationship to applicant \_\_\_\_\_  
Evening phone \_\_\_\_\_ Day phone \_\_\_\_\_  
Cell phone \_\_\_\_\_ Email \_\_\_\_\_  
Is your address the same as the participant's?  Yes  No

**PLEASE TYPE OR PRINT YOUR RESPONSES TO THE QUESTIONS BELOW ON A SEPARATE PIECE OF PAPER.**

**Be sure to put your full name and the name of all competitive scholarship programs you are applying for at the top of the page.**

1. List your current courses and the courses you plan to take next. Please explain which class you are looking forward to the most and why.
2. Describe your involvement in any extracurricular activities, hobbies, or community organizations.
3. Write a statement (**250 words or more**) discussing why it is important to you to have this experience for chosen programs.
4. What is a question or problem for our world you would like to investigate during your career? How do you hope to contribute to society?

**TEACHER RECOMMENDATION LETTER**

STUDENTS: Have your science or math teacher (or a teacher within your field of interest) write you a letter of recommendation; include it with this application.

TEACHERS: Michigan Tech's Summer Youth Programs offer highly competitive scholarship program that offers participants the chance to further explore fields of interest. Please address the following in your recommendation:

- Why are you recommending this student for a competitive scholarship program?
- Provide an example of the academic and personal traits illustrating this student's potential.
- How would this student benefit from this experience?

Teacher name \_\_\_\_\_ Subject \_\_\_\_\_ Email \_\_\_\_\_

**SCHOOL TRANSCRIPT**

Enclose your most recent transcript (unofficial versions are accepted) of your high school coursework through the first semester of this year. If your school uses a grading system other than the 4.0 scale, send an explanation of the method with the transcript.

**HOW DID YOU HEAR ABOUT OUR PROGRAM?**

- |                                                        |                                                                |
|--------------------------------------------------------|----------------------------------------------------------------|
| <input type="checkbox"/> Counselor or teacher          | <input type="checkbox"/> Internet search                       |
| <input type="checkbox"/> I am a previous participant   | <input type="checkbox"/> Michigan Tech alumni or faculty/staff |
| <input type="checkbox"/> Summer Youth Programs website | <input type="checkbox"/> Mind Trekkers event                   |
| <input type="checkbox"/> Friend                        | Date and place _____                                           |
| <input type="checkbox"/> Catalog                       | <input type="checkbox"/> Other _____                           |
| <input type="checkbox"/> Social media                  |                                                                |

**PARENT/GUARDIAN CONSENT**

I approve of \_\_\_\_\_ applying to Michigan Tech's Competitive Scholarship Program.  
*Print applicant name*

Signature \_\_\_\_\_ Date \_\_\_\_\_

**STUDENT SIGNATURE**

I attest that the information provided in this application is correct.

Signature \_\_\_\_\_ Date \_\_\_\_\_