
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, Wednesday, April 10, 2019. Late applications may be considered if additional scholarships become available. You can also apply online or download additional applications at mtu.edu/syp. 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 Pre-College Outreach 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 is helpful to have a strong background in math and science and an interest in technological studies. Preference will be given to applicants entering 12th grade who have had two years of high school math and science. 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, 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

☐ Completed application
☐ Short responses to questions
☐ Signature of parent or guardian
☐ Signature of applicant
☐ Copy of unofficial school transcript
☐ 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
mtu.edu/syp
ENGINEERING SCHOLARS PROGRAM APPLICATION

Application deadline is 5 PM, Wednesday, April 10, 2019.
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.

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.

HAVE YOU APPLIED TO OR ATTENDED ANY OF THESE PROGRAMS IN THE PAST? DO YOU PLAN TO APPLY?

Rail and Intermodal Transportation (RIT)  □ Previously applied  □ Attended  □ Plan to apply
National Summer Transportation Institute (NSTI)  □ Previously applied  □ Attended  □ Plan to apply
Engineering Scholars Program (ESP)  □ Previously applied  □ Attended  □ Plan to apply
Women in Engineering (WIE)  □ Previously applied  □ Attended  □ Plan to apply
Junior Women in Engineering (JWIE)  □ Previously applied  □ Attended  □ Plan to apply
Women in Computer Science (WICS)  □ Previously applied  □ Attended  □ Plan to apply
Summer Youth Programs (SYP)  □ Previously applied  □ Attended  □ Plan to apply

Which SYP Exploration?

If you applied to other SYP scholarship programs for 2019, which would you most like to attend? Please rank in order:
1. _________________________   2. _________________________   3. _________________________   4. _________________________

CONTACT INFORMATION

Participant’s email ________________________________________________
Address/PO Box ________________________________________________
City ____________________________________________________________
State/province ___________ ZIP or postal code _________________
County __________________ Country __________________
Phone ________________ Participant’s cell phone ________________

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.

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<tr>
<th>Name</th>
<th>Class year</th>
<th>Relation</th>
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PARENT/GUARDIAN INFORMATION:

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<tr>
<th>Parent first name</th>
<th>M. I.</th>
<th>Last name</th>
<th>Suffix</th>
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<th>Relationship to applicant</th>
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<th>Cell phone</th>
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Is your address the same as the participant’s?  □ Yes  □ No

SCHOOL INFORMATION

What is the name of the school you attended this year?
____________________________________________________________

What grade will you have completed by June 2019? ____________
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.

PLEASE TYPE OR PRINT YOUR SHORT RESPONSES TO THE QUESTIONS BELOW ON A SEPARATE PIECE OF PAPER.
Be sure to put your full name and that you are applying for the Engineering Scholars Program at the top of the page.

1. List the courses you are currently taking and the courses you plan to take next year.
2. Describe your goals for the next five years and the next 10 years. What problem(s) do you hope to solve during your career?
3. Describe your involvement in any extracurricular activities, hobbies, or community organizations.
4. Write a brief statement (150 words or more) discussing why it is important to you to have this experience and earn this scholarship?
TEACHER RECOMMENDATION LETTER

STUDENTS: Have your high school science or math teacher write you a letter of recommendation; include it with this application.

TEACHERS: Engineering Scholars Program is a highly competitive scholarship program that offers participants the chance to explore many fields of engineering. Please address the following in your recommendation:

• Why are you recommending this student for an engineering 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 your transcript.

HOW DID YOU HEAR ABOUT OUR PROGRAM?

☐ Counselor or teacher
☐ I am a previous participant
☐ Summer Youth Programs website
☐ Friend
☐ Catalog
☐ Social media

☐ Internet search
☐ Michigan Tech alumni or faculty/staff
☐ Mind Trekkers event
Date and place __________________________

☐ Other __________________________

TRANSPORTATION

If you are selected, more information—including directions to Michigan Tech and specific charter bus drop-off and pick-up locations—will be sent in your Confirmation Packet. Please refer to our website for more details on your transportation options.

How do you plan on arriving at ESP?
Check-in: Sunday, July 21—10 AM-2 PM EDT

☐ Car
☐ United Airlines: Houghton (CMX)
☐ SYP charter bus
Bus transportation round trip from Bay City is included in this scholarship. Pickup will be the Saturday evening prior to the program start date.

☐ Other __________________________

How do you plan on departing from ESP?
Checkout: Friday, July 26—5–9 PM and Saturday, July 27—9 AM-Noon EDT

☐ Car
☐ United Airlines: Houghton (CMX)
☐ SYP charter bus
Drop off is Saturday morning, time depending on location. Bus departs from Michigan Tech on Friday at 10 PM.

☐ Other __________________________

More details on your travel plans will be requested in your program Confirmation Packet.

Please note: If you will be arriving before the program begins or departing after checkout ends, there is an additional fee. See website for details (mtu.edu/syp).

PARENT/GUARDIAN CONSENT

I approve of _______________________________________________________________ applying to Michigan Tech’s Engineering Scholars Program and the Hemlock Semiconductor award.

Print applicant name _______________________________________________________

Signature ___________________________ Date ___________________________

STUDENT SIGNATURE

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

Signature ___________________________ Date ___________________________

Michigan Technological University is an equal opportunity educational institution/equal opportunity employer, which includes providing equal opportunity for protected veterans and individuals with disabilities.