
THIS IS YOUR OPPORTUNITY TO LEARN MORE ABOUT ENGINEERING AND SCIENCE.

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, Tuesday, April 10, 2018. For early acceptance, submit applications by 5 PM, Thursday, March 1, 2018. Late applications may be considered if additional scholarships become available. You can also apply online or download additional applications at syp.mtu.edu. Send in your completed application, including a teacher recommendation, the required short responses to questions, and a copy of your unofficial school transcript.

COST

The nonrefundable registration fee of $295 is due within 10 days of being accepted into the program. Do not send in your payment with your application. If accepted, we must receive your registration fee to complete your enrollment and guarantee your spot. All selected participants receive a scholarship valued at more than $1,000, which covers all tuition, classroom supplies, and room and board.

TRANSPORTATION

You are responsible for your own transportation. Travel accommodations and charter bus information are included in the information you will receive if you are accepted.

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 11th or 12th grade who have had two years of high school math and one year of chemistry. 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. The selection committee meets one week after the deadlines to review applications.

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
Fax 906-487-1136
esp@mtu.edu

syp.mtu.edu
ENGINEERING SCHOLARS PROGRAM APPLICATION

ALL APPLICANTS MUST COMPLETE THIS FORM OR APPLY ONLINE AT SYP.MTU.EDU.

Application deadline is 5 PM, Tuesday, April 10, 2018. For early acceptance, submit application by 5 PM, Thursday, March 1, 2018. 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 $295 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 Middle 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
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 2018, 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.

Name ___________________________ Class year __________________________ Relation __________________________

Name ___________________________ Class year __________________________ Relation __________________________

Name ___________________________ Class year __________________________ Relation __________________________

PARENT/GUARDIAN INFORMATION—EACH PARENT/GUARDIAN MUST FILL OUT THE FOLLOWING:

Parent first name ___________________________ M. I. __________________________ Last name ___________________________ Suffix __________________________
Relationship to applicant ___________________________ Evening phone ___________________________ Day phone ___________________________
Evening phone ___________________________ Day phone ___________________________
Cell phone ___________________________ Email ___________________________
Cell phone ___________________________ Email ___________________________

Is your address the same as the participant’s? □ Yes □ No

Is your address the same as the participant’s? □ Yes □ No

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 in high school or college next year.
2. Describe your goals for the next five years and the next 10 years.
3. List any extracurricular activities, hobbies, or community organizations you are involved in.
4. Write a brief statement (150 words or more) discussing why you would like to attend this program and what you would like to gain from this experience.
TEACHER RECOMMENDATION LETTER

TEACHERS: The Engineering Scholars Program is highly competitive and offers participants the chance to explore many fields of engineering. Students should be recommended to attend if you believe they have the aptitude to engage in technological studies and would benefit from this experience.

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

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
☐ 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.

When do you plan on arriving at Michigan Tech?
Check-in: Sunday, July 22—10 AM-2 PM EDT

Day _______________ Time _______________

How do you plan on arriving at Michigan Tech?
☐ Car
☐ United Airlines: Houghton (CMX)
  Flight number ______________ Arrival time ______________
☐ SYP charter bus
  Please pick me up in:
  ☐ Bay City ☐ Gaylord* ☐ St. Ignace*
  ☐ Kalamazoo ☐ Chicago ☐ Grand Rapids
  ☐ Lansing ☐ Rochester ☐ Novi
  Pickup will be the Saturday evening prior to the program start date.
☐ Other __________________________

Charter bus: $275 round-trip; $175 one-way
*Gaylord and St. Ignace: $225 round-trip; $125 one-way

When do you plan on departing from Michigan Tech?
Checkout: Friday, July 27—5–9 PM and Saturday, July 28—9 AM-Noon EDT

Day _______________ Time _______________

How do you plan on departing from Michigan Tech?
☐ Car
☐ United Airlines: Houghton (CMX)
  Flight number ______________ Departure time ______________
☐ SYP charter bus
  Please drop me off in:
  ☐ Bay City ☐ Gaylord* ☐ St. Ignace*
  ☐ Kalamazoo ☐ Chicago ☐ Grand Rapids
  ☐ Lansing ☐ Rochester ☐ Novi
  Departure from Michigan Tech will be the Friday evening following the program.
☐ Other __________________________

Please note: If you will be arriving before the program begins or departing after checkout ends, there is an additional fee. No late departures or stay-overs June 30 or August 4. See website for details (syp.mtu.edu).

PARENT/GUARDIAN CONSENT

I approve of __________________________ applying to Michigan Tech’s Engineering Scholars Program.

Signature __________________________ Date __________________________

STUDENT SIGNATURE

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

Signature __________________________ Date __________________________