

SUMMER YOUTH PROGRAMS 2017

ENGINEERING SCHOLARS PROGRAM

ESP



Michigan
Technological
University

ENGINEERING SCHOLARS PROGRAM

Michigan Tech Summer Youth Programs

THE ENGINEERING SCHOLARS PROGRAM WILL BE HELD ON
THE CAMPUS OF MICHIGAN TECHNOLOGICAL UNIVERSITY JUNE 25-JULY 1, 2017.

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 p.m., Monday, April 10, 2017. For early acceptance, submit applications by March 1, 2017. 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 also reviews 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

- | | |
|--|---|
| <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
Fax 906-487-1136
Email esp@mtu.edu

SYP.MTU.EDU

ENGINEERING SCHOLARS PROGRAM APPLICATION

ALL APPLICANTS MUST COMPLETE THIS FORM OR APPLY ONLINE.

Application deadline is 5 p.m., Monday, April 10, 2017. For early acceptance, submit application by Wednesday, March 1, 2017.
Late applications may be considered if additional scholarships become available.

THERE ARE TWO WAYS TO APPLY: online at syp.mtu.edu or by mail (see below).

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?

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 2017, 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 _____

Telephone _____

Participant's cell phone _____

PERSONAL INFORMATION

Gender _____ Birth date _____ Age _____

SCHOOL INFORMATION

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

What grade will you have completed by June 2017? _____

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.

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

Parent first name _____ Middle name _____ 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 _____ Middle name _____ 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 SHORT RESPONSES TO THE QUESTIONS BELOW ON A SEPARATE PIECE OF PAPER.

Be sure to put your full name at the top of the page and that you are applying for the Engineering Scholars Program.

1. List the courses you are currently taking and the courses you plan to take next year in high school or college.
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

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.

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 course work 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?

- | | |
|--|--|
| <input type="checkbox"/> Counselor or teacher | <input type="checkbox"/> Internet search |
| <input type="checkbox"/> 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 | |

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, June 25–10 a.m.–2

p.m. 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 Wixom
- Pickup will be the Saturday evening prior to the program start date.
- Other _____

When do you plan on departing from Michigan Tech?

Checkout: Friday, June 30–5–11 p.m. and
Saturday, July 1–9 a.m.–12 p.m. 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 Wixom
- 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 its conclusion, there is an additional fee. **No late departures or stay-overs July 1 or July 29.** See website for details (syp.mtu.edu).

PARENT/GUARDIAN CONSENT

I approve of _____ applying to Michigan Tech's
Engineering Scholars Program.
Applicant name

Signature _____ Date _____

STUDENT SIGNATURE

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

Signature _____ Date _____