

SUMMER YOUTH PROGRAMS



WOMEN IN ENGINEERING

WIE

2019

Sponsored By:



Michigan
Technological
University

WOMEN IN ENGINEERING

Michigan Tech Summer Youth Programs

WOMEN IN ENGINEERING WILL BE HELD ON THE CAMPUS OF MICHIGAN TECHNOLOGICAL UNIVERSITY JULY 28-AUGUST 3, 2019.

THIS IS YOUR OPPORTUNITY TO LEARN MORE ABOUT DIFFERENT FIELDS OF ENGINEERING 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 female 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 other young women 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. For early acceptance, submit applications by 5 PM, Friday, March 1, 2019. Late applications may be considered if additional scholarships become available. Visit 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

The **nonrefundable** registration fee of \$295 is due within 10 days of acceptance 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 once you are accepted.

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. The selection committee meets one week after the deadlines to review applications.

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 |

SUBMIT YOUR APPLICATION AND CONTACT OUR OFFICE WITH ANY QUESTIONS.

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

Toll-free 888-773-2655
wie@mtu.edu

mtu.edu/syp

WOMEN IN ENGINEERING APPLICATION

Application deadline is 5 PM, Wednesday, April 10, 2019. For early acceptance, submit application by 5 PM, Friday, March 1, 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. **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 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)	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended	<input type="checkbox"/> Plan to apply
National Summer Transportation Institute (NSTI)	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended	<input type="checkbox"/> Plan to apply
Engineering Scholars Program (ESP)	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended	<input type="checkbox"/> Plan to apply
Women in Engineering (WIE)	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended	<input type="checkbox"/> Plan to apply
Junior Women in Engineering (JWIE)	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended	
Women in Computer Science (WICS)	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended	<input type="checkbox"/> Plan to apply
Summer Youth Programs (SYP)	<input type="checkbox"/> Previously applied	<input type="checkbox"/> Attended	<input type="checkbox"/> 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 _____

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.

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
------	------------	----------	------	------------	----------

_____	_____	_____	_____	_____	_____
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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 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 Women in Engineering 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?

TEACHER RECOMMENDATION LETTER

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

TEACHERS: Women in Engineering 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 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 | |

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 WIE?

Check-in: Sunday, July 28–10 AM-2 PM EDT

- Car
- United Airlines: Houghton (CMX)
- SYP charter bus
- Please pick me up in:
- Bay City Gaylord* Lansing Novi

Charter bus: \$275 round-trip; \$175 one-way

*Gaylord: \$225 round-trip; \$125 one-way

Pickup will be the Saturday evening prior to the program start date.

- Other _____

How do you plan on departing from WIE?

Checkout: Friday, August 2–5-9 PM and Saturday, August 3–9 AM-Noon EDT

- Car
- United Airlines: Houghton (CMX)
- SYP charter bus
- Please drop me off at:
- Bay City Gaylord Lansing Novi

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, there is an additional fee. **No late departures or stay-overs on August 3.** See website for details (mtu.edu/syp).

PARENT/GUARDIAN CONSENT

I approve of _____ applying to Michigan Tech's

Women in Engineering Program.

Signature _____ Date _____

STUDENT SIGNATURE

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

Signature _____ Date _____