WOMEN IN ENGINEERING
Michigan Tech Summer Youth Programs


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 11 PM, Sunday, March 31, 2019. Late applications may be considered if additional scholarships become available. 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 receive a full scholarship valued at more than $1,000, which covers all tuition, classroom supplies, and room and board. Transportation is also covered by this award.

TRANSPORTATION
Charter bus transportation is provided to and from campus for all recipients. The bus will depart from and return to the 3M Center. Further details will be provided to accepted students.

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. Students must be enrolled in one of the following high schools:

- Como Park Senior High School
- Harding Senior High School
- Highland Park High School
- Humboldt Senior High School
- Johnson High School
- Open World Learning Community
- Park High School
- St. Paul Central High School
- Washington Technology Magnet School

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

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
3M Women in Engineering Application

Application deadline is 11 pm, Sunday, March 31, 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.

Name  Class year  Relation  Name  Class year  Relation

PARENT/GUARDIAN INFORMATION:

Parent first name  M. I.  Last name  Suffix  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? How will this scholarship help you?
**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 ______________________

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**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?**

- [ ] 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 mtu.edu/syp 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 from 3M Center
- [ ] 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 to 3M Center
- [ ] Other ________________________________

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

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**PARENT/GUARDIAN CONSENT**

I approve of ________________________________ applying to Michigan Tech’s Women in Engineering Program and the 3M Scholarship.

Signature ________________________________ Date ______________________

**STUDENT SIGNATURE**

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

Signature ________________________________ Date ______________________

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