

# SUMMER YOUTH PROGRAMS

2019

## WOMEN IN COMPUTER SCIENCE

WICS

Sponsored By:



Michigan  
Technological  
University

# WOMEN IN COMPUTER SCIENCE

## Michigan Tech Summer Youth Programs

---

### WOMEN IN COMPUTER SCIENCE WILL BE HELD ON THE CAMPUS OF MICHIGAN TECHNOLOGICAL UNIVERSITY JUNE 23-29, 2019.

*THIS IS YOUR OPPORTUNITY TO LEARN MORE ABOUT COMPUTER SCIENCE AND EXPERIENCE UNIVERSITY LIFE.*

#### PROGRAM INFORMATION

This program is a discovery of computer science, now an integral part of our lives.

- Experience different areas of computing, including programming, artificial intelligence, data mining, virtual reality, visualization, networks, and security.
- Learn about career opportunities in computing and explore job prospects in a wide range of industries.
- Interact with alumni and role models to get firsthand accounts of the diverse careers in computing.
- Experience college life—stay in a residence hall, explore campus, and meet other young women with similar backgrounds and interests.

Arrangements can be made for you to speak with faculty from disciplines or areas of special interests, as well as admissions and financial aid staff. If this interests you, please contact SYP staff.

#### 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](http://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 \$100 is due within 10 days of acceptance. **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 \$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'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 demonstrated a strong interest in computing. 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 deadline to review applications.

**Previous WICS 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        |

### CONTACT OUR OFFICE WITH ANY QUESTIONS.

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

Toll-free 888-773-2655  
[wics@mtu.edu](mailto:wics@mtu.edu)

[mtu.edu/syp](http://mtu.edu/syp)

# WOMEN IN COMPUTER SCIENCE 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 \$100 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
------	------------	----------	------	------------	----------

_____	_____	_____	_____	_____	_____
-------	-------	-------	-------	-------	-------

## PARENT/GUARDIAN INFORMATION:

Parent first name M. I. Last name Suffix

Parent first name M. I. Last name Suffix

Relationship to applicant \_\_\_\_\_

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 Women in Computer Science at the top of the page.**

- List the courses you are currently taking and the courses you plan to take next year.
- If you have taken any computing courses, please describe what you learned.
- Tell us about the kinds of things you have done with computing outside of the classroom.
- Tell us about your current career plans; for instance, what career options are you considering and how certain or uncertain are you about your career plans?
- Do you know anyone in a computing profession? If so, what is their relationship to you and what do they do?
- List any extracurricular activities, hobbies, or community organizations you are involved in.
- 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

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

TEACHERS: Women in Computer Science is a highly competitive scholarship program that offers participants the chance to explore computing. Please address the following in your recommendation:

- Why are you recommending this student for a computer science 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"/> 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 WICS?

**Check-in: Sunday, June 23–10 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 WICS?

**Checkout: Friday, June 28–5-9 PM and Saturday, June 29–9 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 June 29.** See website for details (mtu.edu/syp).

## PARENT/GUARDIAN CONSENT

I approve of \_\_\_\_\_ applying to Michigan Tech's Women in  
*Print applicant name*  
Computer Science Program.

Signature \_\_\_\_\_ Date \_\_\_\_\_

## STUDENT SIGNATURE

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

Signature \_\_\_\_\_ Date \_\_\_\_\_