

SUMMER YOUTH PROGRAMS 2017

WOMEN IN
ROBOTICS

WIR



**Michigan
Technological
University**

WOMEN IN ROBOTICS

Michigan Tech Summer Youth Programs

WOMEN IN ROBOTICS WILL BE HELD ON THE CAMPUS OF MICHIGAN TECHNOLOGICAL UNIVERSITY JULY 16-22, 2017.

PROGRAM INFORMATION

This middle school commuter program looks at robotics from two new perspectives. By working with two of Michigan Tech's robots (GUPPIE and Neu-pulator), students learn how robots help **explore the environment** and **benefit human life**. In this course, students will:

- Learn about co-robots and their application in human life alongside other young women.
- Discover how assistive robots—with prosthetic legs or arms—work, and explore how the robots augment people's capabilities and improve quality of life.
- Find out how underwater robots work, then collect data to predict change and prevent hazards.
- Assemble, program, and design new parts for robots GUPPIE and Neu-pulator.
- Swim with GUPPIE to collect water data.
- Experiment with Neu-pulator, using electrical activity of human muscles to move a manipulator.

HOW TO APPLY

Enrollment in this program will be first-come, first-served. In order to be considered, please submit this completed application, including typed responses to the short-answer questions. You can fax, scan/email, or mail this application to the contact info below.

COST

A non-refundable registration fee of \$100 is due within 10 days of acceptance. For live-in students, the remaining \$200 is due by Thursday, June 1, 2017.

| | <i>Live-In</i> | <i>Commuter</i> |
|--------------------|----------------|-----------------|
| Program Cost | \$895 | \$475 |
| Scholarship | -\$595 | -\$375 |
| Balance Due | \$300 | \$100 |

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. Transportation funding may be provided on an individual basis.

APPLICATION CHECKLIST

- Completed application
- Signature of applicant
- Signature of parent or guardian
- Short responses to questions
- Student has completed grade 6-8 as of June 2017

CONTACT OUR OFFICE WITH ANY QUESTIONS.

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

Toll-free 888-773-2655
Fax 906-487-1136
Email syp@mtu.edu

SYP.MTU.EDU

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, July 16–10 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, July 21–5–11 p.m. and
Saturday, July 22–9 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. See website for details: syp.mtu.edu.

PARENT/GUARDIAN CONSENT

I approve of _____ applying to Michigan Tech's Women in Robotics.
Applicant name

Signature _____ Date _____

STUDENT SIGNATURE

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

Signature _____ Date _____