

# SUMMER YOUTH PROGRAMS

2017

NATIONAL SUMMER  
TRANSPORTATION INSTITUTE

NSTI



Michigan  
Technological  
University

# THE NATIONAL SUMMER TRANSPORTATION INSTITUTE

## Michigan Tech Summer Youth Programs

---

THE NATIONAL SUMMER TRANSPORTATION INSTITUTE WILL BE HELD ON  
THE CAMPUS OF MICHIGAN TECHNOLOGICAL UNIVERSITY JULY 16-29, 2017.

*THIS IS YOUR OPPORTUNITY TO LEARN ABOUT MODERN TRANSPORTATION.*

### PROGRAM INFORMATION

Michigan Tech's National Summer Transportation Institute (NSTI) is a two-week residential program allowing students to explore transportation industries. During the program you will:

- Learn about planes, trains, ships, and automobiles through hands-on activities and group projects.
- Tour the Mackinac Bridge Authority and get behind-the-scenes information about the Mighty Mac—the longest suspension bridge in the Western Hemisphere.
- Travel to Sault Ste. Marie and learn firsthand about the largest waterway traffic system on Earth—the Soo Locks shipping canal between Lake Superior and the lower Great Lakes.
- Spend time with other smart students in a university setting.
- Enjoy recreational activities and time outdoors in the Keweenaw Peninsula.

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

### HOW TO APPLY

The application deadline is 5 p.m., Monday, May 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](http://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

All selected participants receive a scholarship valued at more than \$2,000, which covers all tuition, classroom supplies, and room and board.

### TRANSPORTATION

The scholarship includes transportation via the Summer Youth Programs charter bus. Further travel information will be included in the Confirmation Packet you will receive if accepted into the program.

### SELECTION CRITERIA

Participants are selected on a competitive basis. You should have a strong background in math and science and an interest in transportation. 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 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 in mid-May 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 letters       |

## CONTACT OUR OFFICE WITH ANY QUESTIONS.

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

Toll-free 888-773-2655  
Fax 906-487-1136  
Email [nsti@mtu.edu](mailto:nsti@mtu.edu)

[SYP.MTU.EDU](http://SYP.MTU.EDU)

# NATIONAL SUMMER TRANSPORTATION INSTITUTE APPLICATION

## ALL APPLICANTS MUST COMPLETE THIS FORM OR APPLY ONLINE.

Application deadline is 5 p.m., Monday, May 1, 2017.

Late applications may be considered if additional scholarships become available.

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

Please complete both sides of this application and send it with your unofficial transcript, teacher recommendation letters, and short responses to questions.

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)	<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
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 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 transcripts.

### 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 National Summer Transportation Institute.**

1. List the courses you are currently taking and 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 LETTERS

Michigan Tech's National Summer Transportation Institute is a highly competitive scholarship program that offers participants the chance to explore forms of transportation and their associated careers. 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 teachers write you two letters of recommendation; include them 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 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.

### 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 28–5-11 p.m. and**

**Saturday, July 29–9 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 National  
Summer Transportation Institute. *Applicant name*

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

## STUDENT SIGNATURE

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

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