

SUMMER YOUTH PROGRAMS

NATIONAL SUMMER
TRANSPORTATION INSTITUTE

NSTI

2019



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 14-27, 2019.

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 PM, Wednesday, May 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

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

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 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 in mid-May to review applications.

Previous NSTI 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—NSTI
Administration Building 217
1400 Townsend Drive
Houghton, MI 49931-1295

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

mtu.edu/syp

NATIONAL SUMMER TRANSPORTATION INSTITUTE APPLICATION

Application deadline is 5 PM, Wednesday, May 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.

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

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 National Summer Transportation Institute 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 LETTERS

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

TEACHERS: 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. Please address the following in your recommendation:

- Why are you recommending this student for a transportation 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 NSTI?

Check-in: Sunday, July 14–10 AM-2 PM EDT

- Car
- United Airlines: Houghton (CMX)
- SYP charter bus
- Please pick me up in:
- Bay City Gaylord* Lansing Novi
- Pickup will be the Saturday evening prior to the program start date.
(Charter bus transportation is included in this scholarship.)
- Other _____

How do you plan on departing from NSTI?

Checkout: Friday, July 26–5-9 PM and Saturday, July 27–9 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 or departing after checkout ends, there is an additional fee. See website for details (mtu.edu/syp).

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 _____