



3 Workshops for Teachers Gr. 4-12 Science, Social Studies & Math

Urban Transportation: Moving People & Freight



APPLICATION DEADLINE

March 16, 2015

CREDIT: 1 graduate credit (ED5680) through Michigan Technological University or SCECHs.

EARN \$100 FOR SUBMITTING 1 TRANSPORTATION LESSON

COST: Each workshop is FREE, and includes lunch. **\$50 to earn one MTU graduate credit**

To Register:

Complete registration form on back and email or fax to Lori Witting

Email: lori@mtu.edu

Fax: [906.487.2468](tel:906.487.2468)

Tel: [906.487.2263](tel:906.487.2263)

For Information:

Joan Chadde
Michigan Tech University
Houghton, MI 49931
Tel: 906.487.3341
Email: jchadde@mtu.edu

*Cost has been reduced through the generous support of the MTU Dept. of Civil & Environmental Engineering that helps to reduce official MTU tuition (2014/15 Official Applied Science Education Graduate Resident and Non-Resident @ \$534.50 per credit).

This exciting series of 3 workshops will focus on different modes of transportation, how to integrate into core curriculum, and enhance students' awareness of career opportunities in transportation. Workshops are 9am - 4pm on Saturdays and include **field trips to cool places!**

Workshop Schedule

March 21 - Urban Transportation – Tom Bruff, Transportation Planning Engineer, SE Michigan Council of Governments (SEMCOG). *A look at the transportation needs of cities, taking a multi-modal approach—peds, bicycles, auto, bus, high speed rail. Visit the SE Michigan Transportation Operations Center (SEMTOC) to see how engineers manage the operation of the Detroit transportation system in real-time. Location: Wayne State University*

April 18 - Highway Safety & Designing Intersections – Dr. Joe Hummer, Chair, Civil & Environmental Engineering, Wayne State University. *At intersections, many traffic streams conflict, causing crashes and delay. Engineers and planners must match an intersection design to the location. Participants will examine the fundamentals of intersection design, take a field trip to observe some examples in the city; look at potential conflict with pedestrians, driveways, businesses, rights of way, and environmental impacts. Location: Wayne State University Engineering Bldg. (Room2507). Bring laptops or smartphones.*

May 2 - Great Lakes Maritime Transportation - Visit the new National Museum of the Great Lakes, the Schoonemaker museum ship and The Maritime Academy of Toledo. *What are those big ships carrying and how does it impact our economy? Who works aboard ships? Bus to Toledo provided.*

Program Sponsors

Michigan Tech



Michigan Technological University Teacher Professional Development Workshop Series

Urban Transportation: Moving People & Freight



Registration Deadline: March 16, 2015



COST: each workshop is FREE and includes lunch & bus transportation for field trip.

Workshops are 9am - 4pm on Saturdays. **May enroll for one Michigan Tech graduate credit***
(must attend all 3 workshops and complete lesson) **or earn SCECHs (for last 2 workshops only).**

If you wish to enroll for MTU graduate credit, mail \$50 check payable to Michigan Technological University, and mail: c/o Lori Witting, Dept. of Cognitive & Learning Sciences, Meese Center, Michigan Tech Univ., 1400 Townsend Dr., Houghton, MI 49931

REGISTRATION FORM

Teacher Name: _____ Email: _____
First Last

Home Address: _____

School Phone: (____) _____ Home Phone: (____) _____ Cell: (____) _____

Name of Your School: _____

School Address: _____
Street City State Zip Code

Subjects Taught: _____ Grade(s) Taught: _____

Degree(s) Earned/Areas of Teacher Certification: _____

I wish to earn (choose only one): _____ one graduate credit through Michigan Tech (\$50)
_____ SCECHs for (circle workshop date): April 18 May 2

I will attend workshops on these dates (circle all that apply): **March 21 April 18 May 2**

Return your registration form by March 16, 2015 to:

Lori Witting, Dept. of Education, Michigan Technological University

Email: lori@mtu.edu Fax: [906-487-2468](tel:906-487-2468) Tel: [906-487-2263](tel:906-487-2263)

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