

Teacher Professional Development

Michigan Tech

Designing a Sustainable Future

Summer Institute for Grade 4-12 Teachers

July 11-15, 2016



APPLICATION DEADLINE:

May 2, 2016

**Cost: \$400 off campus
\$700 on campus**

♦ **Off campus includes**
2 graduate credits, 5 lunches,
field trips, classroom supplies

♦ **On campus also includes**
5 nights lodging in MTU's
Hillside Place and all meals

♦ **Payment due:** May 16, 2016

Apply online:

or www.wupcenter.mtu.edu

For More Information:

Joan Chadde, Course Coordinator

Tel: 906.487.3341

Email: jchadde@mtu.edu

Instructors include
Michigan Tech faculty,

Do You Want to:

- * Investigate product manufacturing, renewable energy sources, site design, water use, transportation and food systems;

- * Engage in hands-on engineering lessons;

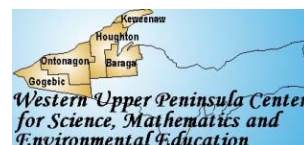
- * Gather resources for teaching about sustainability while addressing the new Michigan Science Standards;

- * Share STEM sustainability career options with your students?



Supported by the Michigan Tech Center for Water and Society, Sustainable Futures Institute, and the Western UP Center for Science, Math and Environmental Education.

Coordinated by the Michigan Tech Center for Science and Environmental Outreach.



Course Credit & Requirements

Participants will earn 2 graduate credits (ED5640) from Michigan Technological University. Course requirements:

- ◇ Complete pre-course readings and reflections.
- ◇ Participate fully in all parts of the Institute.
- ◇ **Develop two lesson plans after the institute** related to sustainability and topics presented (using the rubric provided) that meet applicable content expectations. Participants should plan to implement lessons during the 2016-17 school year. **Due September 6, 2016.**

Master of Applied Science Education

The credits earned from this institute can be applied to a planned course of study for teachers working towards their Professional Certificate or a **Master of Science in Applied Science Education** at Michigan Tech.



Getting to Michigan Tech

Michigan Technological University is located in Houghton, MI (pop. 7,000). United Airlines is the sole airline serving Houghton (800-241-6522 or www.united.com) with 2 flights daily from Chicago. Taxi service is available by calling Copper Country Limo & Taxi at 906-482-4761.

How to Apply

Complete teacher institute application online:

[2016 Designing a Sustainable Future Application](#)

OR <http://wupcenter.mtu.edu/>

Application deadline May 2, 2016

After acceptance into course, participants will receive information via email on how to enroll for Michigan Tech credits from:

Teacher Professional Development
Cognitive & Learning Sciences
Michigan Technological University
Tel: 906-487-3570
Email: teacherpd@mtu.edu



Cost*

\$400 off campus includes 2 graduate credits, 5 lunches, field trips, and classroom supplies, or **\$700 on campus** which also includes five nights lodging and meals.

*A stipend and funding from the Michigan Tech Sustainable Futures Institute to the Michigan Tech Center for Science & Environmental Outreach helps to reduce official Michigan Tech tuition for teachers with proof of current certification (2015/16 Official Applied Science Education Graduate Resident and Non-Resident \$561 per credit).

Payment due May 16, 2016. Pay by credit card by calling MTU Cashier at 906.487.2247. *Payments are non-refundable.*

Additional Financial Aid

Teachers may apply for Michigan Space Grant Consortium K-12 Educator Incentive Program funds for up to \$400 to attend workshops on math and science. <http://mi.spacegrant.org>



Accommodations

Participants staying on campus will receive five nights lodging in single rooms with private baths in Michigan Tech's new Hillside Place and all meals from Monday breakfast through Friday lunch. Easy walking distance to downtown Houghton and Michigan Tech hiking and biking trails. Visit: <http://www.mtu.edu/>