Diagnosis and Remediation of Reading Problems • May 8 - August 10
This online course is available to any teacher (Elementary or Secondary) to apply toward professional licensure. Whether you teach English language arts or physics, you and your students are "reading" - we read and code all the information we attend to. Many of the lessons we learn from reading alphabetic code can transfer to the challenges of reading numerical code. 3 cr. ED 5750

Computational Tools and the Environment • May 8 - August 10
Application of computational tools for researching environmental engineering systems. Participants will gain an understanding of the discipline of environmental engineering and the research process, learn new computational tools that they can use with their students, and gain confidence in teaching about research and science. 3 cr. ED 5640

Engineering Applications in the Physical Sciences • July 17 - 28
This is a great chance for teachers to experience real-world engineering projects first hand, and then see how to integrate a scaled down version into a class project for students. The course will show how engineers use principles from the physical sciences to solve problems and design systems. Key concepts will be linked to the Next Generation Science Standards for precollege education. 4 cr. ENG 5200

Moosewatch for Educators • July 6 - 13
Moosewatch for Educators is a unique field experience in support of the ecological study of wolves and moose at Isle Royale National Park. Educators will receive the technical instruction needed to participate as a member of a backcountry research team. You will learn research methods, backcountry navigation, and wilderness living skills. The course will integrate aspects of earth science, botany, general ecology, and the use of literature in teaching science. 3 cr. ED 5560

Teaching Mathematics through Marine Navigation • July 10 - 14
This course will explore how secondary teachers can teach topics in geometry, measurement, and algebra through the practice of marine navigation. Teachers will learn navigation techniques and procedures aboard the MTU research vessel Agassiz. The course will explore techniques to engage students in solving coastal marine navigation problems using mathematics, charts, basic navigation instruments, and electronic instruments. 2 cr. ED 5661

Comments from previously enrolled participants:
“Michigan Tech offers some of the most useful content that I can find for licensure renewal credits!” – Deborah Corriveau, Notre Dame Academy-Green Bay, WI

“These courses were fantastic! I can’t think of any way to improve them.”
– Chuck Palosaari, Jeffers High School teacher and MTU Master’s of Applied Science Education student

“Overall I enjoyed my experience at MTU. I feel like I gained a lot of valuable tools.”
– Leanne Laakonen, Hancock High School

“I love working with Michigan Tech!”
– Sheri Turner, Christa McAuliffe Middle School

“These teacher institutes are the best learning opportunities I encountered as an educator.”
– Michael A. Cosenza, M.Ed., Science Education Associate Division of College and Career Readiness; Office of Standards and Learning, South Carolina Department of Education

For course registration and details, please contact: teacherpd@mtu.edu or visit www.mtu.edu/cls/education/development

Michigan Tech is an EOE which includes protected veterans and individuals with disabilities.