This course will show how engineers use principles from the earth sciences to solve problems and design systems. Key concepts will be linked to the Next Generation and Michigan Science Standards for precollege education.

Hands-on explorations in engineering related to the earth sciences will investigate the applications of math and science. Project-based learning will focus on concepts that underpin deep understanding of the earth sciences. Participants will submit unit/lesson plans for peer teaching, review, and modification, and will also assist with the testing of new unit/lesson plans being developed for the Mi-STAR (Michigan Science Teaching and Assessment Reform) program.

Where:
- Michigan Tech Campus

Cost:
- $250 fee for resident/non-resident per participant. This covers *Michigan Tech tuition for 4 graduate credits, course materials and banquet dinner.

Credit:
- 4 graduate credits through Michigan Tech’s Engineering Fundamentals Department

*Cost has been reduced through the generous support received from the Herbert H. and Grace A. Dow Foundation to reduce official Michigan Tech tuition (2014/15 Official Applied Science Education Graduate Resident and Non-Resident is $534.50 per credit).

For More Information Contact
Lori Witting, Michigan Tech Teacher Professional Development Coordinator - 906-487-2263 or lori@mtu.edu

Funded by:
Funding is made possible by the generous support received from the Herbert H. and Grace A. Dow Foundation which was established by Mrs. Grace A. Dow in 1936 in memory of her husband Dr. Herbert H. Dow.