Process Safety at Michigan Tech

Process Safety - the prevention and mitigation of unintentional release of potentially dangerous materials or energy through the use of robust processes and equipment reliability.

Identification and understanding of potential hazards
Evaluation of consequences, safeguards and risks
Adding layers of protection (safeguards) to prevent and/or mitigate incidents.
Safeguards to protect the students, the staff, the faculty, the public, the environment and property.

- Endowed Herbert H. Dow Chair in Chemical Process Safety
- Dedicated Course: CM 4310 Chemical Process Safety/Environment
- Prevent Accidents with Safety (PAWS) - Undergraduate Student-Owned Lab Safety Program
- Outreach: Make Process Safety part of MTU DNA by promoting a sense of vulnerability about incidents; promote understanding of hazards and risks
- Research: Process Safety Management Systems; Inherently Safer Design; Process Hazard Analysis; Quantitative Risk Analysis; Fire Suppression Materials and Characterization; Membrane Integrity; Thermal Run-away in Energy Storage Devices