

Mine Safety Practices and Health

Undergraduate Certificate in Mine Safety Practices and Health

CERTIFICATE CODE - CU16

The Department of Mining Engineering administers a certificate program in mine safety practices and health that is open to all students with appropriate prerequisites, which are: geology (GEOL 101), statistics (STAT 211, STAT 215, or IENG 213) and physics (PHYS 112).

Code	Title	Hours
Foundational Courses		13
MINE 205	Underground Mining Systems	
MINE 206	Surface Mining Systems	
MINE 382	Mine Power Systems	
MINE 471	Mine and Safety Management	
Experiential Course		6
MINE 472S	Mine Rescue and Emergency Response *	
Total Hours		19

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MINE 472S must be completed twice for completion of the certificate. The course is connected to the Mine Rescue competition team which completes during both fall and spring semesters.

Certificate Learning Outcomes

MINE SAFETY PRACTICES AND HEALTH

Upon completion of the certificate, students are expected to:

- Comprehend the fundamental principles of surface and underground mining and related best safety and management practices.
- Develop skill sets necessary to create a safe and healthy working environment through safety and health training applicable in evolving mining industry.
- Build a solid foundation of advanced certifications and training such as EMT training.
- Be prepared for mine emergency response through relevant training and real scenario demonstration.