Department of Mining & Geological

ONLINE GRADUATE CERTIFICATE PROGRAM
15 UNITS

EXPAND YOUR CAREER

HEALTH & SAFETY

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www.mge.arizona.edu
Graduate Certificate in HEALTH & SAFETY

WHAT IS THE CERTIFICATE PROGRAM?
The certificate programs are intended for working professionals changing their duties within companies or those who need a stronger background in a particular segment of the industry. We have created three certificate programs. Each requires 15 units of graduate coursework with a grade of B or better and all courses are available via distance. Each course is the same as offered to residential MS and Ph.D. students, taught by professional faculty members. Upon successful completion of the program, the units may transfer into a Master of Engineering degree.

Enrollment is limited to graduates of accredited engineering bachelor's program and other cognate degrees (i.e., biology, chemistry, geology, industrial hygiene, physics, MIS, etc.) with a 3.0 GPA or higher. Applicants must demonstrate that they have the necessary prerequisites completed for the courses in the certificate program. To be admitted to this certificate program, candidates should have two years of professional experience, preferably in a field related to the specific option selected for study.

WHY STUDY HEALTH & SAFETY?
There is a growing need for professionally trained health and safety professionals in high-risk industries. In the mining industry alone, there are about 14,400 operating mines that are inspected by the Mine Safety and Health Administration (MSHA) for compliance with occupational safety and health rules each year. The mining industry recognized the need for trained safety and health specialists and began certifying mine safety specialists through the Certified Mine Safety Professional (CMSP) exam several years ago. Mining engineers are in great demand but those with additional training in occupational health and safety are in even greater demand. Mine safety and health specialists can complete this cutting-edge specialized training from anywhere in the world, without having to leave their professional duties.

REQUIRED COURSES (6 units)
- MNE 506A Mine Ventilation (2 units)
- MNE 526 Mine Health and Safety (1 unit)
- CPH 553 Toxicology and Chemical Exposures (3 units)

ELECTIVE COURSES (9 units)
- CPH 522 Safety Fundamentals (3 units)
- CPH 576A Biostatistics (3 units)
- MNE 521 Disease & Illness in Mining (3 units)
- MNE 527 Geomechanics (4 units)
- MNE 547 Underground Construction Geomechanics (3 units)
- CPH 577 Social and Behavioral Aspects of Public Health (3 units)
- CPH 574 Health Administration and Policy (3 units)
- CPH 575 Environmental and Occupational Health (3 units)
- CPH 573A Basic Principles of Epidemiology (3 units)

HOW TO APPLY
Applicants must submit the following by the appropriate deadline:
- Application, resume, transcript. Must have 3.0 undergraduate GPA in relevant degree. TOEFL or equivalent for non-English speakers.
- December 1st for spring semester
- July 1st for fall semester

ADMISSIONS
www.mge.arizona.edu/distance_program/index.php

COST
- In-State $2,078.50 per 3 unit course
- Out-of-State $2,492.50 per 3 unit course

If your company has a presence in Arizona, you qualify for in-state fees.

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