



THE UNIVERSITY
OF ARIZONA.

Arizona's First University.

Department
of Mining &
Geological



Tel: 520.621.6063

Fax: 520.621.8330

mgedept@email.arizona.edu

www.mge.arizona.edu

EXPAND YOUR CAREER



HEALTH & SAFETY



ONLINE GRADUATE CERTIFICATE PROGRAM

15 UNITS



Graduate Certificate in **HEALTH & SAFETY**

Department of Mining & Geological Engineering



Contact: Ros Hill
rhill@email.arizona.edu

www.mge.arizona.edu

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 bachelors 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.

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.

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)

Course substitutions or changes in electives are allowed with the approval of the program advisor.



Department of Mining & Geological Engineering
 Mines & Metallurgy Room 229, 1235 E. James E. Rogers Way
 P.O. Box 210012, The University of Arizona
 Tucson, AZ 85721-0012 USA

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 Email: mgedept@email.arizona.edu