THE UNIVERSITY OF ARIZONA.
Arizona's First University.

Department of Mining & Geological

Natural Resources • People • Environment

Tel: 520.621.6063
Fax: 520.621.8330

mgedept@email.arizona.edu

www.mge.arizona.edu

EXPAND YOUR CAREER

MINE PRODUCTION & TECHNOLOGY

ONLINE GRADUATE CERTIFICATE PROGRAM

15 UNITS

Graduate Certificate in MINE PRODUCTION & INFORMATION TECHNOLOGY

Department of Mining & Geological Engineering

Contact: Sean Dessureault
dessure@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 MINE PRODUCTION AND INFORMATION TECHNOLOGY?

Mining operations today use state-of-the-art sensing and positioning technologies in both surface and underground operations. Research in equipment design is moving toward autonomous and semi-autonomous operation. The management of information within the mine environment, between facilities within a corporation, and within the corporation itself will define the mining company of the future. The mine technology option will provide advance study in mine environment technology, mine management technology, advanced pattern recognition technology, and management of information resources.

REQUIRED COURSES

(9 units)

The Mine Production and Information Technology certificate option will consist of three classes.

MNE 507	Equipment Operations Technology (3 units)
MNE 509	Management Operations Technology (3 units)
SIE 554A	The Systems Engineering Process (3 units)

ELECTIVE COURSES

(6 units)

MNE 587	Applied Neural Network Computing (3 units)
SIE 531	Simulation Modeling & Analysis (3 units)
SIE 530	Engineering Statistics (3 units)
SIE 548	Operations Research Modeling (3 units)

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

THE UNIVERSITY OF ARIZONA

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

Tel: 520.621-6063 Fax: 520.621.8330
Email: mgedept@email.arizona.edu