## MINING APPLICATIONS AND TECHNOLOGIES

College of Rural and Community Development Community and Technical College 907-479-2436 www.ctc.uaf.edu/programs/protech/

#### **Certificate**

Minimum Requirements for Certificate: 31 or 37 credits

This program prepares students for employment in the mining technology industry and provides career development and personal enrichment for experienced miners and workers within the mineral industry. Possible career paths for certificate graduates include entry-level positions with exploration, mining, environmental and consulting companies.

Holders of this certificate will be trained to meet the anticipated demand for workers in open pit mining, surface coal mining, underground metal mining, sand and gravel, and placer mining. Two options are available: surface and underground mining techniques is intended for the miner, and mineral processing operations is intended for mineral process operators. After completing AMIT F109 and/or AMIT F129, students will receive the Mine Safety Health Association certificate. Contact the process technology department at 907-455-2868 for information on the MSHA certificate.

#### **Certificate Program**

## Options: Surface and Underground Mining Techniques or Mineral Processing Operations

- 1. Complete the general university requirements (page 95).
- 2. Complete the certificate requirements (page 97).
- 3. Complete the following requirements for Option A or Option B:



4.

### **Certificate Requirements**

Communication
Complete one of the following:  ENGL F111X—Introduction to Academic Writing
Computation2 – 3 Credits
Complete one of the following:  • Any course at the F100-level or above in mathematical sciences (computer science, math or statistics)
Human Relations2 – 3 Credits
Complete one of the following:  • ANTH F100X/SOC F100X—Individual, Society and Culture(s)
Electives to total

# Associate of Applied Science Requirements

• •	ritten Communication
•	ENGL F111X—Introduction to Academic Writing(3)
•	omplete one of the following: ABUS F271—Business Communications
O	ral Communication
•	omplete one of the following: COMM F131X—Fundamentals of Oral Communication: Group Context(3) COMM F141X—Fundamentals of Oral Communication: Public Context(3) or successful completion of competency test
C	omputation3 Credits
•	Implete one of the following:  Any course at the F100-level or above in mathematical sciences (computer science, math or statistics)
H	uman Relations
•	omplete one of the following:  ANTH F100X/SOC F100X—Individual, Society and Culture (s)
	ajor specialty at least
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