



The Association of Professional Engineers,  
Geologists and Geophysicists of Alberta

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## ***MINING AND MINERAL PROCESS ENGINEERING COURSE EQUIVALENTS***

**1998 Edition**

Note: No Mining and Mineral Process Engineering courses are offered at the University of Calgary. The list below is for the University of Alberta.

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### ***University of Alberta***

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**98-MMP-A1 General Geology and Exploration**

EAS 210 Engineering Earth Science

&

EAS 224 Mineralogy I

**OR**

EAS 424 Subsurface Geological Methods

**98-MMP-A2 Mining Methods and Design**

MIN E 413 Surface Mining

&

MIN E 414 Underground Mining

**98-MMP-A3 Mineral Processing**

MAT E 331 Mineral Processing I

**98-MMP-A4 Mine Valuation and Mineral Resource Estimation**

MIN E 310 Ore Reserve Estimation

&

MIN E 408 Mining Enterprise Economics

**98-MMP-A5 Mine Management and Systems Analysis**

CIVE 303 Project Management

**OR**

ENGG 402 Project Management & Entrepreneurship

&

MIN E 408 Mining Enterprise Economics

**98-MMP-A6 Environmental Protection and Occupational Health & Safety**

MATE 408 Environmental Aspects of Resources Operations

**98-MMP-B1 Applied Rock Mechanics**

MIN E 323 Rock Mechanics

**98-MMP-B2 Rock Fragmentation**

MIN E 324 Drilling, Blasting and Explosives

**98-MMP-B3 Mine Equipment Selection and Maintenance**

MINE 420 Mine Equipment Selection and Maintenance

**98-MMP-B4 Occupational Health, Safety and Loss Management**

MINE 407 Principles of Mine Ventilation

&

ENGG 404 Industrial Safety and Loss Management

**98-MMP-B5 Mill Design and Operations**

MATE 533 Mineral Processing II

&

MATE 365 Materials Process Engineering Design I

**98-MMP-B6 Mill Process Control**

MATE 533 Mineral Processing II

&

CHE 446 Process Dynamics & Control

**98-MMP-B7 Extractive Metallurgy**

MATE 332 Pyrometallurgy

&

MATE 430 Hydrometallurgy & Electrometallurgy

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