

MINING APPLICATIONS AND TECHNOLOGIES (AMIT)

Community and Technical College

Process Technology Program

907-455-2800

AMIT F101 Introduction to Mining

3 Credits

Offered As Demand Warrants

Fundamentals of surface and underground mining, economic planning, proper exploration designs, environmental concerns and safety factors.

Lecture + Lab + Other: 3 + 0 + 0

Grading System: Letter Grades with option of Plus/Minus

AMIT F129 Surface Mine Safety

1 Credit

Offered As Demand Warrants

Rights of miners, introduction to the work environment, ground control, hazard recognition, first aid and explosive safety. Course fulfills the Mine Safety Health Administration requirements for surface miner training.

Students are awarded MSHA certificate upon completion of the class.

Lecture + Lab + Other: 1 + 0 + 0

Grading System: Letter Grades with option of Plus/Minus

AMIT F130 Surface Mining Operations

3 Credits

Offered As Demand Warrants

Safe operations of a surface mine. Placer gold, sand and gravel, coal, and open pit metal mines.

Lecture + Lab + Other: 3 + 0 + 0

Grading System: Letter Grades with option of Plus/Minus

AMIT F135 Introduction to Mining Systems and Equipment

4 Credits

Offered As Demand Warrants

An overview to the field of mining beneficiation and comminution, systems and equipment used for the mining and mineral processing industry. Fundamentals of basic separation and mineral beneficiation of surface and underground mining, economic planning, environmental concerns, safety and terminology will be explored.

Lecture + Lab + Other: 3 + 3 + 0

Grading System: Letter Grades with option of Plus/Minus

AMIT F145 Introduction to Mineral Beneficiation

3 Credits

Offered As Demand Warrants

Provides an overview or introduction into the field of mineral beneficiation and comminution, systems and equipment used for the mineral processing industry. Fundamentals of basic separation and mineral beneficiation, environmental concerns, safety and terminology will be explored.

Lecture + Lab + Other: 3 + 0 + 0

Grading System: Letter Grades with option of Plus/Minus