UNDERGRADUATE ENGINEERING CO-OP PROGRAM

MINING ENGINEERING

Mining Engineering students gain a thorough knowledge of general engineering principles, complemented by courses specific to mining and mineral processing. They learn responsible mining practices and receive a cross-discipline approach to mining by developing a fundamental understanding of mining, mineral processing, economics, management and environmental and social responsibilities.

www.mining.ubc.ca
- VANCOUVER CAMPUS

OPTIONAL SPECIALIZATIONS

MINING ENGINEERING
- Focuses on structural geology and rock mechanics, mining methods, rock fragmentation, mine feasibility study, mine ventilation, ore deposit modeling, mineral planning and mining design.

PROCESSING ENGINEERING
- Emphasizes comminution, physical separation, flotation, hydrometallurgy, process control, processing precious metal ores, plant and process design, oil sands processing and coal preparation technology.

ENGINEERING CO-OP...
WORKING FOR YOU

Highlights of what our talented Co-op students can do for you and your organization:
- Assist in extracting and processing ore
- Aid in mechanization and maintenance planning
- Perform operational monitoring and control
- Conduct computer analysis and simulation
- Develop short- and long-term mining plans
- Conduct geotechnical assessments for surface and underground operations
- Analyze environmental impacts
- Conduct metallurgical studies
- Assist with designing and planning processing plants
- Prepare technical and economic feasibility studies

Photo: Mining Engineering Co-op Student, Enoch Tong