

# UNDERGROUND MINER

## MODULE 1: POLICIES AND LEGISLATION

- Lesson 1 | Comply with Company Policies and Procedures
- Lesson 2 | Understand and Comply with Applicable Workplace Legislation and Regulations



2h 30 min

## MODULE 2: WORK SAFELY

- Lesson 1 | Select, Use and Maintain Personal Protective Equipment (PPE)
- Lesson 2 | Practice and Maintain Good Housekeeping
- Lesson 3 | Identify and Respond to Workplace Hazards
- Lesson 4 | Manually Lift and Carry Materials
- Lesson 5 | Recognize Confined Space Work and Follow Policies and Procedures
- Lesson 6 | Work Around Mobile Equipment
- Lesson 7 | Work Around Stationary Equipment
- Lesson 8 | Work Around Water Hazards
- Lesson 9 | Work in Cramped and/or Awkward Conditions (or Limited Mobility)



11h 50 min

## MODULE 3: SIGNS, BARRICADES, TRAFFIC, PLANS AND DRAWINGS

- Lesson 1 | Recognize and Comply with Signage, Barricades, Audible Alarms and Equipment Light Indicators
- Lesson 2 | Install, Remove, Maintain and Store Signs and Barricades
- Lesson 3 | Recognize and Comply with Traffic Management Plans
- Lesson 4 | Understand and Use Information Presented on Plans and Drawings



8h 20 min

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## MODULE 4: FIRE SAFETY



7h 35 min

- Lesson 1 | Be Prepared to Respond to Fires
- Lesson 2 | Extinguish Minor Fires
- Lesson 3 | Fire Prevention

## MODULE 5: EMERGENCY SITUATIONS



8h 5 min

- Lesson 1 | Prepare for Emergency Situations and Conditions
- Lesson 2 | Comply with Workplace Hazardous Materials Information Systems (WHMIS)
- Lesson 3 | Participate in Safety Programs
- Lesson 4 | Understand, Respond to and Report Emergencies

## MODULE 6: ENERGY SOURCES



2h

- Lesson 1 | Lock Out, Tag, Deenergize and Test Equipment
- Lesson 2 | Work Around Energy Sources

## MODULE 7: WORKING AT HEIGHTS



2h

- Lesson 1 | Work on Scaffolds and Raised Platforms

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## MODULE 8: COMMUNICATION



13h 10 min

- Lesson 1 | Listen Actively
- Lesson 2 | Speak Clearly and Concisely
- Lesson 3 | Use Communication Devices
- Lesson 4 | Convey Message Using Signals
- Lesson 5 | Use Workplace Technologies
- Lesson 6 | Complete Workplace Documentation

## MODULE 9: BE PROFESSIONAL



3h 55 min

- Lesson 1 | Work in a Team Environment
- Lesson 2 | Work in a Culturally Diverse Environment

## MODULE 10: EQUIPMENT KNOWLEDGE



3h 55 min

- Lesson 1 | Demonstrate Equipment Knowledge
- Lesson 2 | Working with Mobile Equipment
- Lesson 3 | Work with Stationary Equipment

## MODULE 11: PROTECT THE ENVIRONMENT



8h 40 min

- Lesson 1 | Comply with Environmental Policies, Procedures and Permits
- Lesson 2 | Apply Spill Containment Measures
- Lesson 3 | Manage Waste
- Lesson 4 | Manage Fuels and Other Hazardous Materials
- Lesson 5 | Respond to Spills

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## MODULE 12: OPERATE SUPPORT EQUIPMENT



14h

- Lesson 1 | Operate light or service vehicle
- Lesson 2 | Operate utility vehicles
- Lesson 3 | Perform track haulage
- Lesson 4 | Perform cage tender duties
- Lesson 5 | Perform skip tender duties
- Lesson 6 | Operate skid steer
- Lesson 7 | Operate forklift
- Lesson 8 | Operate elevated work platform
- Lesson 9 | Operate dewatering/thickening systems
- Lesson 10 | Operate pumps
- Lesson 11 | Operate mixers

## MODULE 13: OPERATE HEAVY EQUIPMENT



16h 25min

- Lesson 1 | Operate haulage truck
- Lesson 2 | Operate underground locomotives
- Lesson 3 | Operate mucking equipment
- Lesson 4 | Operate remote controlled LHD (Load Haul Dump)
- Lesson 5 | Operate grader
- Lesson 6 | Operate production loader
- Lesson 7 | Operate hydraulic excavator or backhoe
- Lesson 8 | Operate rotary or hammer drill
- Lesson 9 | Operate LHD (Load Haul Dump)
- Lesson 10 | Operate undercutter
- Lesson 11 | Operate mechanical scaler

# UNDERGROUND MINER

## MODULE 14: USE HAND AND POWER TOOLS

Lesson 1 | Demonstrate hand and power tool knowledge



2h 10min

## MODULE 15: WORKING UNDERGROUND

Lesson 1 | Mine Entry Management (Tag In Tag Out)

Lesson 2 | Inspect ventilation



1h 15min

## MODULE 16: SCALE LOOSE ROCK

Lesson 1 | Recognize loose or abnormal ground conditions

Lesson 2 | Recognize faulty ground support

Lesson 3 | Wash rock surfaces

Lesson 4 | Scale rock



2h 45min

## MODULE 17: PERFORM DRILLING OPERATIONS

Lesson 1 | Operate stoper

Lesson 2 | Operate jackleg

Lesson 3 | Operate jumbo

Lesson 4 | Operate plugger



4h 20min

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## MODULE 18: OPERATE PROCESSING EQUIPMENT

- Lesson 1 | Maintain bins
- Lesson 2 | Operate crusher
- Lesson 3 | Operate feeders
- Lesson 4 | Operate conveyor
- Lesson 5 | Inspect and maintain hoses



4h 50min



117h 45min