

MNM20106
Certificate II in Metalliferous Mining Operations (Open Cut)

Overview

Nara Training & Assessing offers this qualification under traineeship arrangements. A traineeship combines practical work experience with structured training to provide a nationally recognised qualification. Trainees must be employed in the relevant industry sector to undertake a traineeship.

Nominal Term

12 Months

What does a trainee undertaking a Certificate II in Metalliferous Mining Operations (Open Cut)?

They are involved in:

- Extracting, loading and transporting minerals, which include coal, metal ore, mineral sand and rock for construction purposes/

As an Open-Cut Miner you must generally be able to:

- Operate drilling rigs to drill holes in the benches of open cuts according to the blast pattern;
- Load holes with explosive and initiate the blast;
- Operate excavating or ripping machines to remove overburden and/or extract the ore, coal and rock;
- Operate loading equipment to load trucks for transport of material to stockpile or treatment;
- Operate bulldozing equipment to move materials into place for dredging;
- Operate mobile plant to develop and maintain benches, haul roads and stock piles;
- Set up lighting, pumping and other equipment.

As an Open-Cut and Surface Miner you will:

- Extract the coal, ore, sand and rock using mining machines, drill and blast methods, ripping (eg by bulldozer) or dredging - the material is loaded and transported to a stockpile at a treatment plant.

Course Outline

CORE All core units must be achieved.

MODULE CODE	TITLE
MNMC201A	Work safely
MNMC202A	Communicate in the workplace
MNMC203A	Contribute to quality work outcomes
MNMC205A	Conduct local risk assessment
BSBCMN215A	Participate in environmental work practices

ELECTIVE UNITS – A total of 7 units - a minimum of 5 units from those listed, and a maximum of 2 units, relevant to the job function are drawn from elsewhere in the Metalliferous Mining training package or other endorsed training packages.

General

MODULE CODE	TITLE
MNMG203A	Plan and organise individual work
MNMG204A	Perform initial First Aid
MNMG207A	Conduct dogging operations
MNMG208A	Conduct basic rigging operations
MNMG209A	Conduct intermediate rigging operations
MNMG215A	Apply operational maintenance skills
MNMG216A	Service mine plant and equipment
MNMG217A	Transport plant, equipment and personnel
MNMG224A	Identify and rectify mine operating problems
MNMG228A	Conduct conveyor operations
MNMG229A	Break oversize rock
MNMG232A	Operate vehicle loading crane
MNMG234A	Conduct non slewing crane
MNMG236A	Operate overhead crane
MNMG237A	Work safely at heights
MNMG238A	Conduct forklift operations
MNMG243A	Conduct stacker operations
MNMG244A	Suppress airborne contaminants
MNMG342A	Conduct reclaim operations
MNQOPS202A	Conduct dewatering operations

MNCG1031A	Remove, fit and adjust wheel(s)
MNCG1032A	Remove, repair and refit tyres and tubes
MNCG1033A	Conduct lifting operations
MNCG1063A	Operate heavy rigid vehicle
MNCG1064A	Operate articulated vehicle
MNCG1068A	Test operational functions of mine vehicles and equipment
BCCCM2008B	Carry out basic levelling
PMAPER205B	Enter confined space

Shotfiring

MODULE CODE	TITLE
MNMG205A	Maintain magazine
MNMG210A	Store, handle and transport explosives
MNMG241A	Conduct mobile mixing of explosives
MNMG311A	Conduct secondary blasting

Drilling and Ground Control

MODULE CODE	TITLE
MNMODB203A	Install open cut mine ground support

Loading and Handling

MODULE CODE	TITLE
MNMOLH301A	Conduct excavator operation
MNMOLH305A	Conduct front end loader operation
MNMOLH306A	Conduct haul truck operations
MNMOLH307A	Conduct dozer operations
MNMOLH308A	Conduct scraper operations
MNMOLH310A	Service and handover mine plant and machines
MNCO1024A	Conduct wheeled dozer operations
MNCG1060A	Operate support equipment

Ancillary Mine Support

MODULE CODE	TITLE
MNMOMS202A	Suppress dust in open cut environment
MNMOMS203A	Position and set up mobile lighting
MNMOMS204A	Operate roller/compactor
MNMOMS207A	Operate light vehicle
MNMOMS306A	Conduct grader operations
MNCO1015A	Conduct bulk water truck operations
MNCO1025A	Lay and recover cables and hoses
BCGCM3001B	Operate elevated work platforms

Stockpiling and Preparation

MODULE CODE	TITLE
MNMOSP304A	Operate plant/machinery on live stockpiles

Rehabilitation

MODULE CODE	TITLE
MNMOR210A	Identify and assess environmental and heritage concerns
RTD2022A	Carry out natural area restoration works
RTD2202A	Conduct erosion and sediment control activities
RTD3034A	Implement revegetation works
RTD3205A	Construct conservation earthworks

General Processing

MODULE CODE	TITLE
PMCOPS202C	Operate equipment to blend/mix materials
PMCSUP282A	Use computers and related programs in the workplace
PMCSUP290A	Monitor and maintain product quality