RII30311 Certificate III in Underground Metalliferous Mining

Release: 1

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Modification History

Not applicable.

Description

This qualification reflects the role of employees such as production operators in an underground metalliferous mine, who perform tasks involving a broad range of skilled applications in a varied work context, using some discretion and judgement in selecting equipment, services or contingency measures.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

The following table includes a summary of the employability skills as identified by the resources and infrastructure industry for this qualification. The table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes required here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• speak clearly and directly • listen carefully to instructions and information • read and interpret work instructions and safety signs • calculate basic weights, distances and volumes • complete incident and maintenance reports • adjust communication style to meet the needs of people with diverse backgrounds
Teamwork	• apply teamwork in a range of situations, particularly in a safety context • contribute to the planning and execution of operations • work cooperatively with people of different ages, gender, race, religion or political persuasion and people with disability • recognise and respond sensitively to people from culturally and linguistically diverse backgrounds
Problem-solving	• adjust work methods in response to changing weather and site conditions • participate in team solutions to safety issues
Initiative and enterprise	• independently adapt to changing work conditions or different work areas • identify potential improvements to working practice and conditions • identify and assess risks in the workplace
Planning and organising	• manage time and priorities to complete work • identify and obtain appropriate equipment and permits • identify potential hazards and prepare appropriate responses • follow procedures and techniques relevant to the equipment and work being done
Self-management	• take responsibility for planning and organising own work priorities and completing assigned tasks • monitor own performance to ensure work will be completed well and on time • understand the standard of work expected at a work site
Learning	• be willing to learn new ways of working • seek information to improve performance from people and

	workplace documents like policies, procedures etc
	• understand equipment characteristics, technical capabilities, limitations and procedures
Technology	• use technology to monitor and report on work progress
	• use communications technology appropriate to the workplace (email, mobile, radio, etc)
	• operate equipment safely

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Packaging Rules

Requirements for completion of the qualification

The following table provides the packaging rules for this qualification, followed by the list of relevant units of competency.

Successful completion of fourteen (14) units of competency made up of:

- six (6) mandatory units, and
- eight (8) elective units of which:
    - at least five (5) must come from the specified electives listed below
    - up to three (3) from the general electives listed below
    - up to one (1) unit may come from Certificate II, Certificate III or Certificate IV level from this, or any other Training Package

Units chosen must be relevant to the job function.
Care must be taken to ensure that all prerequisites specified within imported units, or units chosen as electives, are complied with.

Mandatory units of competency	
Unit code	*Unit title*
RIIOHS201A	Work safely and follow OHS policies and procedures
RIIENV302A	Apply environmentally sustainable work practices
RIICOM302A	Communicate workplace information
RIIMEX302B	Assess ground conditions
RIIQUA201A	Maintain and monitor site quality standards
RIIRIS301A	Apply risk management processes
Specified electives	
Unit code	*Unit title*
BSBFLM305C	Support operational plan
RIIBEF301A	Run on-site operations
RIIBEF401A	Manage non-routine, complex technical situations
RIIBHD302A	Conduct underground development drilling
RIIBHD303A	Conduct long hole drilling

RIIBLA303A	Conduct underground development shotfiring
RIIBLA304A	Conduct underground production shotfiring
RIIBLA305A	Conduct secondary blasting
RIIMPG301A	Control and monitor automated plant/machinery
RIIMPO307A	Conduct wheel grader operations in underground mines
RIINHB307B	Conduct conventional core drilling
RIINHB310A	Conduct surface directional drilling
RIINHB312A	Conduct raise boring
RIIOHS301A	Conduct safety and health investigation
RIISAM202A	Isolate and access plant
RIISAM306A	Service and maintain conveyors, feeders and hoppers
RIISAM307A	Service and maintain crushers
RIISAM312A	Inspect and maintain shafts and structures
RIISRM302B	Conduct stockpile reclaiming operations
RIIUMM301A	Conduct wet filling activities
RIIUMM302A	Install sets
RIIUMM303A	Conduct hand held mining
RIIUMM304A	Construct and maintain underground roads
RIIUMM305A	Install and remove a secondary fan
RIIUMM306A	Conduct mechanical scaling
RIIUMM307A	Maintain underground stockpiles
RIIUND205A	Respond to a workforce incident
RIIUND301A	Operate manual winder
RIIUND302A	Conduct cage operations
RIIUND303A	Operate winder for shaft sinking

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RIIUND304A	Recover equipment
RIIUND305A	Recover underground equipment
RIIUND306A	Conduct line of sight remote operations
RIIUND307A	Conduct tele-remote operations
RIIUND308A	Conduct control room operations
RIIUND309A	Conduct mechanical underground ground support drilling and installation
RIIVEH306A	Operate mine service vehicle
General electives	
Unit code	*Unit title*
BSBINN301A	Promote innovation in a team environment
MSAPMPER300B	Issue work permits
RIIBEF302A	Monitor site production activities
RIIBLA306A	Conduct accretion firing
RIIERR203A	Escape from hazardous situation unaided
RIIERR204A	Provide aided rescue to endangered personnel
RIIERR302A	Respond to local emergencies and incidents
RIIHAN304A	Conduct slewing crane operations
RIIHAN306A	Carry out lifting using multiple cranes
RIIHAN309A	Conduct telescopic materials handler operations
RIIHAN310A	Conduct crane operations underground
RIIHAN311A	Conduct operations with integrated tool carrier
RIIMPO332A	Conduct operations with skid steer loader
RIISAM311A	Maintain winder equipment
RIISAM313A	Monitor, inspect and service ropes and attachments

RIISTD301A	Take environmental samples and measurements
RIIVEH301A	Conduct rail haulage operations