



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **RII20309 Certificate II in Underground Coal Mining**

**Release: 1**

## **RII20309 Certificate II in Underground Coal Mining**

### **Modification History**

Not applicable.

### **Description**

This qualification reflects the role of an individual working as an operator in an underground coal mine, who performs a range of mainly routine tasks using limited practical skills and fundamental operational knowledge, in a defined context working under direct supervision.

### **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	<ul style="list-style-type: none"> <li>• speak clearly and directly</li> <li>• listen carefully to instructions and information</li> <li>• read and interpret work instructions and safety signs</li> <li>• calculate basic weights, distances and volumes</li> <li>• complete incident and maintenance reports</li> <li>• adjust communication style to meet the needs of people with diverse backgrounds</li> </ul>
Teamwork	<ul style="list-style-type: none"> <li>• apply teamwork in a range of situations, particularly in a safety context</li> <li>• contribute to the planning and execution of operations</li> <li>• work cooperatively with people of different ages, gender, race, religion or political persuasion and people with disability</li> <li>• recognise and respond sensitively to people from culturally and linguistically diverse backgrounds</li> </ul>
Problem-solving	<ul style="list-style-type: none"> <li>• adjust work methods in response to changing weather and site conditions</li> <li>• participate in team solutions to safety issues</li> </ul>
Initiative and enterprise	<ul style="list-style-type: none"> <li>• independently adapt to changing work conditions or different work areas</li> <li>• identify potential improvements to working practice and conditions</li> <li>• identify and assess risks in the workplace</li> </ul>
Planning and organising	<ul style="list-style-type: none"> <li>• manage time and priorities to complete work</li> <li>• identify and obtain appropriate equipment and permits</li> <li>• identify potential hazards and prepare appropriate responses</li> <li>• follow procedures and techniques relevant to the equipment and work being done</li> </ul>
Self-management	<ul style="list-style-type: none"> <li>• take responsibility for planning and organising own work priorities and completing assigned tasks</li> <li>• monitor own performance to ensure work will be completed well and on time</li> <li>• understand the standard of work expected at a work site</li> </ul>
Learning	<ul style="list-style-type: none"> <li>• be willing to learn new ways of working</li> <li>• seek information to improve performance from people and</li> </ul>

	<p>workplace documents like policies, procedures etc</p> <ul style="list-style-type: none"><li>• understand equipment characteristics, technical capabilities, limitations and procedures</li></ul>
Technology	<ul style="list-style-type: none"><li>• use technology to monitor and report on work progress</li><li>• use communications technology appropriate to the workplace (email, mobile, radio, etc)</li><li>• operate equipment safely</li></ul>

## 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 ten (10) units of competency made up of:

- five (5) mandatory units, and
- five (5) elective units of which:
  - at least four (4) must come from the specified electives listed below
  - up to one (1) from the general electives listed below, or from Certificate II or Certificate III 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.

<b>Mandatory units of competency</b>	
<i>Unit code</i>	<i>Unit title</i>
RIICOM201A	Communicate in the workplace
RIIERR203A	Escape from hazardous situation unaided
RIIOHS201A	Work safely and follow OHS policies and procedures
RIIGOV201A	Comply with site work processes/procedures
RIIRIS201B	Conduct local risk control
<b>Specified electives</b>	
<i>Unit code</i>	<i>Unit title</i>
RIIERR205A	Apply initial response first aid
RIIMCU201A	Operate power tram
RIIMCU202A	Conduct tracked vehicle/plant operations
RIIMCU203A	Conduct wheeled vehicle operations (non-articulated)
RIIMCU204A	Conduct wheeled vehicle operations (articulated)
RIIMCU205A	Conduct rotational drilling

RIIMCU206A	Install, maintain and recover gas drainage systems
RIIMCU207A	Install, maintain and recover electrical services
RIIMCU208A	Conduct basic strata control operations
RIIMCU209A	Conduct roadway maintenance
RIIMCU210A	Conduct stonedusting operations
RIIMCU211A	Install and maintain explosion barriers
RIIMCU212A	Construct and maintain basic ventilation devices
RIIMCU213A	Conduct feeder breaker operations
RIIMCU214A	Conduct face ventilation operations
RIIMCU215A	Operate longwall ancillary equipment
RIIMCU216A	Maintain lamp cabin operations
RIIMCU402A	Apply spontaneous combustion management measures
RIIMPO208A	Operate support equipment
RIIMPO307A	Conduct wheel grader operations in underground mines
RIINHB304B	Conduct air drilling
RIIPEO202A	Provide deck support for conveyor-car high wall mining operations
RIIPEO208A	Extend, retract and maintain conveyor componentry
RIIUND201A	Install, maintain and recover reticulation systems
RIIUND206A	Install hand held underground ground support
RIIUND207A	Conduct underground lifting operations
RIIUND208A	Conduct skip operations
RIIUND209A	Operate automated winder
RIIUND301A	Operate manual winder
RIIUND302A	Conduct cage operations
RIIUND303A	Operate winder for shaft sinking

RIIWMG202A	Conduct dewatering activities in underground mining operations
<b>General electives</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBITU101A	Operate a personal computer
BSBPUR301B	Purchase goods and services
BSBSUS201A	Participate in environmentally sustainable work practices
ICAU3126B	Use advanced features of computer applications
RIIBLA202B	Support underground shotfiring operations
RIIERR201A	Conduct fire team operations
RIIERR204A	Provide aided rescue to endangered personnel
RIIERR302A	Respond to local emergencies and incidents
RIIHAN201A	Operate a forklift
RIIHAN208A	Perform dogging
RIIHAN209A	Perform basic rigging
RIIHAN210A	Perform intermediate rigging operations
RIIHAN211A	Conduct basic scaffolding operations
RIIHAN212A	Conduct non-slewing crane operations
RIIHAN301B	Operate elevating work platform
RIIHAN302A	Conduct intermediate scaffolding operations
RIIHAN305A	Operate a gantry or overhead crane
RIIHAN307A	Operate a vehicle loading crane
RIIOHS203A	Maintain amenities
RIIQUA201A	Maintain and monitor site quality standards
RIISAM205A	Cut, weld and bend materials
RIISAM207A	Apply operational maintenance skills

RIISAM210A	Remove and fit wheel assemblies
RIISAM211B	Remove, repair and refit tyres and tubes
RIISAM212A	Service mine plant and equipment
RIISAM214A	Provide support to electrical tradesperson
RIISAM301A	Test operational functions of vehicles and equipment
RIISAM311A	Maintain winder equipment
RIISAM312A	Inspect and maintain shafts and structures
RIISAM313A	Monitor, inspect and service ropes and attachments
RIIVEH201B	Operate light vehicle
RIIVEH202A	Operate a medium vehicle
RIIVEH301A	Conduct rail haulage operations