



**Australian Government**

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

# **RII31409 Certificate III in Road Construction and Maintenance**

**Release: 1**

## **RII31409 Certificate III in Road Construction and Maintenance**

### **Modification History**

Not applicable.

### **Description**

This qualification reflects the role of a skilled operator working in road construction and maintenance, who applies a broad range of skills in a varied work context, using some discretion and judgement and relevant theoretical knowledge. The individual may provide theoretical advice and support a team.

### **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 twenty five (25) units of competency made up of:

- sixteen (16) mandatory units, and
- nine (9) elective units of which:
  - at least eight (8) must come from the electives listed below, including at least four (4) at AQF 3 level
  - at least four (4) must be road construction (CRC) units including at least two (2) at Certificate III level
  - 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.

<b>Mandatory units of competency</b>	
<i>Unit code</i>	<i>Unit title</i>
RIIBEF201B	Plan and organise work
RIICCM201A	Carry out measurements and calculations
RIICCM202A	Identify, locate and protect underground services
RIICCM203A	Read and interpret plans and specifications
RIICCM205A	Carry out manual excavation
RIICCM206A	Support plant operations
RIICCM207A	Spread and compact materials manually
RIICCM208A	Carry out basic levelling
RIICOM201A	Communicate in the workplace
RIICRC201A	Repair potholes
RIIOHS201A	Work safely and follow OHS policies and procedures
RIIOHS302A	Implement traffic management plan

RIISAM201A	Handle resources and infrastructure materials and safely dispose of non toxic materials
RIISAM203A	Use hand and power tools
RIISAM204A	Operate small plant and equipment
RIIWMG203A	Drain and dewater civil construction site
<b>Electives</b>	
<i>Unit code</i>	<i>Unit title</i>
CPCCCM2007A	Use explosive power tools
CPCCSF2004A	Place and fix reinforcement materials
FPICOT2221A	Trim and cross cut felled trees
FPIFGM3204A	Fall trees manually - intermediate
RIICBS202A	Hand spread asphalt
RIICBS203A	Safely handle bituminous materials
RIICBS301A	Conduct profile planer operations
RIICCM209A	Carry out concrete work
RIICCM210A	Install trench support
RIICCM211A	Erect and dismantle temporary fencing and gates
RIICCM301A	Construct and dismantle fences and gates
RIICPL302A	Install stormwater systems
RIICPL304A	Install pre-cast gully pits
RIICPL305A	Install pre-cast access chambers
RIICRC202A	Install signs
RIICRC203A	Install sub-soil drainage
RIICRC204A	Install and maintain roadside fixtures
RIICRC205A	Install utility poles

RIICRC206A	Install pre-cast concrete crash barriers
RIICRC207A	Install noise barriers
RIICRC208A	Lay pipes
RIICRC209A	Lay reinforced concrete box culverts
RIICRC301A	Maintain drainage systems
RIICRC302A	Place and form concrete kerb, channel and fixtures
RIICRC303A	Lay pavers
RIICRC304A	Maintain sealed roads
RIICRC305A	Conduct road construction paver screeding operations
RIICRC306A	Conduct earthworks
RIICRC307A	Conduct road pavement construction
RIICRC309A	Conduct stabiliser operations
RIIHAN201A	Operate a forklift
RIIHAN208A	Perform dogging
RIIHAN211A	Conduct basic scaffolding operations
RIIHAN301B	Operate elevating work platform
RIIHAN307A	Operate a vehicle loading crane
RIIMG301A	Maintain site records
RIIOHS202A	Enter and work in confined spaces
RIIOHS205A	Control traffic with stop-slow bat
RIIRIS201B	Conduct local risk control
RIISAM205A	Cut, weld and bend materials
RIIWMG301A	Control construction site water table
TLID1107C	Conduct specialised forklift operations