



Australian Government

Department of Education, Employment and Workplace Relations

RII30909 Certificate III in Civil Construction

Release: 1

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Modification History

Not applicable.

Description

This qualification reflects the role of a skilled operator working in civil construction, 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"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • adjust work methods in response to changing weather and site conditions • participate in team solutions to safety issues
Initiative and enterprise	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • be willing to learn new ways of working • seek information to improve performance from people and

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

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:

- seven (7) mandatory units, and
- eighteen (18) elective units of which:
 - at least fourteen (14) must come from the electives or the high risk work electives list below including at least ten (10) at Certificate III level
 - up to four (4) units 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.

There are both licensed and non-licensed units of competency relating to high risk work in the RII09 Resources and Infrastructure Industry Training Package. Units of competency should be demonstrated to meet the state/territory licensing requirements in order to be appointed under any statutory requirements in related roles. State/territory licensing requirements need to be confirmed by the Registered Training Organisation delivering and/or assessing the competency.

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	
<i>Unit code</i>	<i>Unit title</i>
RIIBEF201B	Plan and organise work
RIICCM201A	Carry out measurements and calculations
RIICCM203A	Read and interpret plans and specifications
RIICOM201A	Communicate in the workplace
RIIOHS201A	Work safely and follow OHS policies and procedures
RIISAM203A	Use hand and power tools
RIISAM204A	Operate small plant and equipment
Electives	

<i>Unit code</i>	<i>Unit title</i>
CPCCCM2007A	Use explosive power tools
CPCCSF2004A	Place and fix reinforcement materials
BSBCUS301A	Deliver and monitor a service to customers
BSBFLM312B	Contribute to team effectiveness
BSBFLM305C	Support operational plan
FPICOT2221A	Trim and cross cut felled trees
FPIFGM3204A	Fall trees manually (intermediate)
NWP331B	Inspect conduit and report on condition and features
NWP440A	Supervise conduit inspection and reporting
RIIBLA201A	Support shotfiring operations
RIIBLA202B	Support underground shotfiring operations
RIIBLA205A	Store, handle and transport explosives
RIIBLA301A	Conduct surface shotfiring operations
RIIBLA303A	Conduct underground development shotfiring
RIICBM201A	Strip pile heads
RIICBM301A	Maintain concrete bridges
RIICBM302A	Install pre-cast girders
RIICBM303A	Install pre-cast parapets
RIICBM304A	Operate a bridge inspection unit
RIICBM305A	Install pre-cast concrete bridge decks
RIICBM306A	Undertake concreting work on concrete bridges
RIICBM307A	Construct formwork and false work on concrete bridges
RIICBS201A	Conduct tack coat spraying operations
RIICBS202A	Hand spread asphalt

RIICBS203A	Safely handle bituminous materials
RIICBS204A	Conduct aggregate spreader box operations
RIICBS205A	Roll aggregate in sprayed sealing operations
RIICBS206A	Conduct pavement sweeping operations
RIICBS207A	Take samples of materials used in road surfacing
RIICBS208A	Conduct road maintenance operations
RIICBS301A	Conduct profile planer operations
RIICBS302A	Conduct paver screeding operations
RIICBS303A	Conduct materials transfer vehicle operations
RIICBS304A	Compact asphalt with rollers
RIICBS305A	Conduct asphalt paver operations
RIICBS306A	Conduct slurry sealing operations
RIICBS307A	Conduct bitumen sprayer operations
RIICBS308A	Load aggregate using a purpose built loader
RIICBS309A	Conduct self-propelled aggregate spreader operations
RIICBS310A	Conduct patching operations
RIICBS311A	Produce asphalt products
RIICBS312A	Conduct bitumen tanker operations
RIICCM202A	Identify, locate and protect underground services
RIICCM205A	Carry out manual excavation
RIICCM206A	Support plant operations
RIICCM207A	Spread and compact materials manually
RIICCM208A	Carry out basic levelling
RIICCM209A	Carry out concrete work
RIICCM210A	Install trench support

RIICCM211A	Erect and dismantle temporary fencing and gates
RIICCM301A	Construct and dismantle fences and gates
RIICFW301A	Construct underpinning
RIICFW302A	Install temporary and permanent rock anchors
RIICFW303A	Install primary ground support
RIICFW304A	Conduct pile driving operations
RIICFW305A	Conduct cast in-situ piling operations
RIICFW306A	Direct pile driving operations
RIICFW307A	Direct cast in-situ piling operations
RIICPL301A	Install water mains pipelines
RIICPL302A	Install stormwater systems
RIICPL303A	Install sewer pipelines
RIICPL304A	Install pre-cast gully pits
RIICPL305A	Install pre-cast access chambers
RIICRC201A	Repair potholes
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
RIICRM201A	Escort mobile road marking operations
RIICRM202A	Handle and store road marking materials
RIICRM203A	Conduct pedestrian road marking operations
RIICRM204A	Prepare surface for road marking
RIICRM205A	Conduct road marking measuring operations
RIICRM206A	Conduct airless and atomised spraying operations
RIICRM207A	Install raised pavement markers
RIICRM301A	Conduct ride on road marking operations
RIICRM302A	Conduct long line road marking operations
RIICRM303A	Conduct thermo plastic road marking operations
RIICTC301A	Install tunnelling constructions services
RIICTC302A	Line tunnel
RIICTC303A	Excavate tunnel by machine
RIICTC304A	Muck out tunnel earthworks
RIICTC305A	Construct portals
RIICTT301A	Conduct fluid assisted directional boring
RIICTT302A	Conduct impact moling, ramming and augering
RIICTT303A	Control micro tunnelling and pipe-jacking
RIICTT304A	Undertake on-line replacement for existing pipeline systems
RIICTT305A	Undertake localised repair and sealing of existing pipeline systems

RIICTT306A	Install cure in-place linings for existing pipeline systems
RIICTT307A	Spray linings for existing pipeline systems
RIICTT308A	Install close-fit linings for existing pipeline systems
RIICTT309A	Install slip lining in existing pipeline systems
RIICTT310A	Renovate large diameter pipes and chambers
RIIHAN201A	Operate a forklift
RIIHAN208A	Perform dogging
RIIHAN211A	Conduct basic scaffolding operations
RIIHAN301B	Operate elevating work platform
RIIHAN307A	Operate a vehicle loading crane
RIIHAN309A	Conduct telescopic materials handler operations
RIIMG301A	Maintain site records
RIIOGF302A	Operate drilling fluids and mud pits
RIIOGN303A	Operate mud systems
RIIOHS202A	Enter and work in confined spaces
RIIOHS205A	Control traffic with stop-slow bat
RIIOHS302A	Implement traffic management plan
RIIRIS201B	Conduct local risk control
RIISAM205A	Cut, weld and bend materials
RIIWMG203A	Drain and dewater civil construction site
RIIWMG301A	Control construction site water table
TLID1107C	Conduct specialised forklift operations
UEGNSG202A	Construct and lay distribution pipelines
High risk work electives	
<i>Unit code</i>	<i>Unit title</i>

CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level