

RII40106 Certificate IV in Civil Construction Operations

Characteristics of the Qualification

Descriptor The Certificate IV in Civil Construction Operations reflects the role of specialist civil construction personnel who perform technical specialist tasks involving a broad range of varied activities most of which can be complex and non-routine. They are responsible for applying the site work instructions and practices to ensure the quantity and quality of their outputs and contribute to the development of technical solutions to non-routine problems.

Requirements Successful completion of twelve (12) Units of Competency made up of:

- four (4) mandatory Units of Competency
- eight (8) elective units to be completed made up of:
 - a minimum of two (2) units from the specified Civil Construction General Operations units listed
 - a minimum of four (4) units from the specified Civil Construction Technical Specialist units listed
 - a maximum of one (1) unit, relevant to the job function, drawn from elsewhere in the Resources and Infrastructure Civil Construction Training Package or other endorsed Training Packages at any level

Shotfiring

The Units of Competency relating to shotfiring currently exist in the Extractive Industries Training Package (MNQ03). These units are considered as appropriate in the Resources and Infrastructure Civil Construction Training Package and are therefore included. However to be designated/appointed under any statutory requirements as a shotfirer, Units of Competency should be demonstrated to meet the State/Territory licensing requirements. State/Territory licensing requirements need to be confirmed by the Registered Training Organisation delivering and/or assessing the competency.

RII40106 Certificate IV in Civil Construction Operations Completion of 12 Units of Competency		
Mandatory units — 4 units to be completed	MNQGEN430A	Apply site quality plan
	MNQGEN300A	Apply risk management processes
	BSBCM411A	Monitor a safe workplace
	BSBCM413A	Implement and monitor environmental policies
Elective units — 8 units to be completed including:	<i>General Operations units — a minimum of 2 units from this group</i>	
	RIICC402A	Supervise civil works contractors
	MNQGEN401A	Apply site statutory compliance management plan
	MNQGEN340A	Communicate information

<p>a minimum of 2 from the General Operations units</p> <p>a minimum of 4 from the Technical Specialist units</p> <p>a maximum of one (1) unit, relevant to the job function, drawn from elsewhere in the Resources and Infrastructure Civil Construction Training Package or other endorsed Training Packages at any level.</p>	MNQGEN403A	Foster positive community relations
	BSBFLM405B	Implement operational plan
	BSBFLM409B	Implement continuous improvement
	<i>Technical Specialist units — a minimum of 4 units from the following groups</i>	
	Technical Specialist Pavement Construction and Maintenance	
	RIICC404A	Apply the principles of flexible pavement construction
	RIICC405A	Apply the principles of rigid pavement construction
	RIICC406A	Apply the principles of the stabilisation of materials
	RIICC407A	Apply the principles for asphalt paving and compaction
	RIICC408A	Apply the principles for the application of bituminous sprayed treatments
	RIICC409A	Apply the principles for the selection and use of polymer modified binder
	RIICC410A	Apply the principles for the selection and use of bituminous emulsion
	RIICC411A	Apply the principles for the application of slurry surfacing
	RIICC412A	Apply the principles of pavement profiling using a profiler
	RIICC413A	Apply the principles for the manufacture and delivery of hot mix asphalt
	RIICC414A	Apply the principles for the manufacture of cold mix
	RIICC415A	Apply the principles for the manufacture of polymer modified binder
	RIICC416A	Apply the principles for the manufacture of bituminous emulsion
	RIICC417A	Apply the principles of the manufacture of slurry surfacing
	RIICC418A	Inspect and report on pavement condition
	RIICC419A	Carry out pavement condition measurement
	RIICC420A	Apply the principles of pavement maintenance
	RIICC525A	Select pavement surfacing
<i>Technical Specialist Underground Construction</i>		
RIICC421A	Apply the principles for the installation of underground service using open excavation	
RIICC422A	Apply the principles for the installation of underground service using trenchless technology	
RIICC424A	Apply the principles of tunnel construction	
<i>Technical Specialist Civil Structures Construction and Maintenance</i>		
RIICC403A	Apply the principles of earthworks construction	
RIICC425A	Apply the principles of civil concrete structures construction	

RIICC426A	Apply the principles of civil steel structures construction
RIICC427A	Apply the principles of civil timber structures construction
RIICC428A	Apply the principles of civil masonry, crib and gabion structure construction
RIICC429A	Carry out inspections of civil structures
RIICC430A	Apply the principles of maintenance of civil structures
RIICC431A	Apply the principles of canal construction
RIICC432A	Apply the principles of demolitions
<i>Technical Specialist Construction and Maintenance Project Planning and Maintenance</i>	
LGAWORK401A	Develop works maintenance schedule
LGAWORK402A	Prepare for operational works
LGAWORK403A	Manage civil plant and resources
<i>Technical Specialist Contract Management</i>	
LGACOM401A	Administer contracts
LGACOM402A	Arrange contracts
LGACOM409A	Prepare tender documentation
LGACOM410A	Prepare response to tenders
BSBPM408A	Apply contract and procurement techniques
<i>Technical Specialist Construction Materials and Geotechnical Services</i>	
PMLSAMP302A	Receive and prepare samples for testing
PMLSAMP400B	Obtain representative samples in accordance with sampling plan
PMLTEST402B	Prepare, standardise and use solutions
PMLTEST403B	Assist with geological site investigations
PMLTEST404A	Perform chemical tests and procedures
PMLTEST406A	Perform physical tests
PMLTEST411A	Perform mechanical tests
PMLTEST300B	Perform basic tests
PMLTEST303B	Prepare working solutions
PMLTEST307B	Prepare trial batches for evaluation
PMLDATA400A	Process and interpret data
<i>Surface Drilling and Blasting</i>	
MNQOPS413A	Conduct shotfiring
NOTE: RTOs must ensure that all prerequisites (specified within the Unit of Competency) are complied with for any Unit of Competency chosen as an elective from any other endorsed Training Package.	