



**Australian Government**

# **CPC30311 Certificate III in Concreting**

**Release 2**

## CPC30311 Certificate III in Concreting

### Modification History

Revised qualification deemed equivalent to CPC30311

Core and elective units revised resulting in a number of unit identifier changes

CPCCCM2011A removed from elective pool but not replaced with non-equivalent revised version (CPCCCM1016A)

### Description

This qualification provides a trade outcome in concreting operations for residential and commercial construction work.

Occupational titles may include:

- Concreter
- Concrete pump operator.

The qualification has core unit of competency requirements that cover common skills for the construction industry, as well as a specialist field of work.

The construction industry strongly affirms that training and assessment leading to recognition of skills must be undertaken in a real or very closely simulated workplace environment and this qualification requires all units of competency to be delivered in this context.

Completion of the general induction training program specified by the National Code of Practice for Induction Training for Construction Work (ASCC 2007) is required before entering a construction work site. Achievement of unit CPCCOHS1001A covers this requirement.

### Pathways Information

Not applicable.

### Licensing/Regulatory Information

Not applicable.

### Entry Requirements

Not applicable.

## Employability Skills Summary

Employability skill	Industry/enterprise requirements for this qualification include:
<b>Communication</b>	<ul style="list-style-type: none"> <li>Communicates with clients, colleagues and others using effective and appropriate communication techniques, including:               <ul style="list-style-type: none"> <li>Clear and direct communication</li> <li>Active listening</li> <li>Verbal and non-verbal language</li> <li>Questioning to identify and confirm requirements</li> <li>Language and concepts appropriate to cultural differences</li> </ul> </li> <li>Follows instructions from supervisor and other relevant persons</li> <li>Understands, interprets and applies information as required from:               <ul style="list-style-type: none"> <li>Regulatory, legislative, licensing and organisational requirements</li> <li>Environmental and OHS requirements, including material safety data sheets (MSDS)</li> <li>Codes and standards</li> <li>Plans, drawings and specifications</li> <li>Delivery advice</li> <li>Safety signs and symbols</li> <li>Organisational policies and procedures</li> </ul> </li> <li>Understands relevant definitions, terminology, symbols, abbreviations and language</li> <li>Records relevant information using standard workplace documentation</li> <li>Applies measurements and calculations using appropriate equipment, formulas and records as required</li> <li>Reports and records hazards and risks</li> </ul>
<b>Teamwork</b>	<ul style="list-style-type: none"> <li>Works as part of a team</li> <li>Provides assistance and encouragement to other team members</li> <li>Initiates and encourages improvements in team performance</li> <li>Identifies and utilises the strengths of other team members</li> <li>Relates to people from diverse social, cultural and ethnic backgrounds and with varying physical and mental abilities</li> <li>Coordinates and actions tasks</li> <li>Participates in on-site meetings</li> </ul>
<b>Problem solving</b>	<ul style="list-style-type: none"> <li>Examines tools and equipment prior to use for damage, missing components or other defects</li> <li>Identifies typical faults and problems and takes remedial action</li> </ul>

Employability skill	Industry/enterprise requirements for this qualification include:
	and/or reports to supervisor <ul style="list-style-type: none"> <li>• Rectifies simple faults with tools and equipment</li> <li>• Carries out tests, such as slump testing of concrete and high performance concrete testing</li> </ul>
<b>Initiative and enterprise</b>	<ul style="list-style-type: none"> <li>• Identifies opportunities to improve resource efficiency and makes suggestions as appropriate</li> <li>• Responds to change and workplace challenges</li> <li>• Puts ideas into action</li> <li>• Maximises use of resources by recycling, re-using or using appropriate disposal methods</li> </ul>
<b>Planning and organising</b>	<ul style="list-style-type: none"> <li>• Identifies hazards and implements appropriate hazard control measures</li> <li>• Identifies and manages risks</li> <li>• Selects and uses appropriate materials, tools and equipment</li> <li>• Determines material quantity requirements</li> <li>• Prioritises and sequences tasks</li> <li>• Applies time management skills to ensure work is completed to time requirements</li> </ul>
<b>Self management</b>	<ul style="list-style-type: none"> <li>• Evaluates own actions and makes judgements about performance and necessary improvements</li> <li>• Contributes to workplace responsibilities, such as current work site environmental/sustainability frameworks or management systems</li> <li>• Manages own performance to meet workplace standards</li> <li>• Seeks support to improve work performance</li> <li>• Cleans up work area, including tools and equipment</li> </ul>
<b>Learning</b>	<ul style="list-style-type: none"> <li>• Identifies own learning needs and seeks skill development as required</li> <li>• Is open to learning new ideas and techniques</li> </ul>
<b>Technology</b>	<ul style="list-style-type: none"> <li>• Uses calculators</li> <li>• Uses and operates a range of tools and equipment correctly and safely</li> <li>• Drives concrete boom delivery and concrete agitator trucks, and</li> </ul>

Employability skill	Industry/enterprise requirements for this qualification include:
	<p>follows and applies safety, operational and servicing instructions when using vehicle</p> <ul style="list-style-type: none"> <li>• Carries out pre- and post-operational checks on equipment and machines</li> <li>• Performs tool and equipment maintenance as required</li> </ul>

## Packaging Rules

To achieve this qualification, the candidate must demonstrate competency in:

- 18 units of competency:
  - 13 core units
  - 5 elective units.

A minimum of three elective units are to be concreting (coded 'CO') units. A maximum of two of the five required elective units may be substituted by selecting relevant units of competency from any Certificate III or IV construction qualification or qualification in another endorsed Training Package.

Some units in this qualification may have prerequisite requirements, which must be met when packaging the qualification. Users are referred to the list of CPC08 units with prerequisite unit requirements available in this Training Package for this purpose.

### Core units

CPCCCM1012A	Work effectively and sustainably in the construction industry
CPCCCM1013A	Plan and organise work
CPCCCM1014A	Conduct workplace communication
CPCCCM1015A	Carry out measurements and calculations
CPCCCM2001A	Read and interpret plans and specifications
CPCCCM2006B	Apply basic levelling procedures

CPCCOHS2001A	Apply OHS requirements, policies and procedures in the construction industry
RIICCM210A	Install trench support

### **Concreting operations field of work**

CPCCCO2011A	Handle concreting materials
CPCCCO2012A	Use concreting tools and equipment
CPCCCO3021A	Place concrete
CPCCCO3022A	Finish concrete
CPCCCO3023A	Cure concrete

### **Elective units**

### **Concrete repair and finishing field of work**

CPCCCO3024A	Carry out decorative finishes to concrete
CPCCCO3025A	Resurface concrete
CPCCCO3026A	Carry out repair and rectification of concrete
CPCCCO3027A	Cut and core concrete
CPCCCO3029A	Apply and finish sprayed concrete

### **Advanced concreting field of work**

CPCCCO3028A	Carry out tilt panel construction
CPCCCO3030A	Carry out high performance concreting

CPCCCO3031A	Conduct off-form vertical concrete operations
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### Concrete delivery field of work

CPCCCO3032A	Conduct concrete boom delivery operations
CPCCCO3033A	Slump test concrete
CPCCCO3034A	Conduct concrete agitator truck operations
CPCCLBM3001A	Licence to operate a concrete placing boom

### General electives

BSBSMB301A	Investigate micro business opportunities
BSBSMB406A	Manage small business finances
CPCCCA2003A	Erect and dismantle formwork for footings and slabs on ground
CPCCCA3001A	Carry out general demolition of minor building structures
CPCCCM2007B	Use explosive power tools
CPCCCM2008B	Erect and dismantle restricted height scaffolding
CPCCSF2003A	Cut and bend materials using oxy-LPG equipment
CPCCSF2004A	Place and fix reinforcement materials
CPCCSF3001A	Apply reinforcement schedule
RIICFW301A	Construct underpinning
RIIOHS302A	Implement traffic management plan
RIIWMG203A	Drain and dewater civil construction site

## **Custom Content Section**

Not applicable.