



Australian Government

Department of Education, Employment and Workplace Relations

CPC30311 Certificate III in Concreting

Release: 1

CPC30311 Certificate III in Concreting

Modification History

Not Applicable

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 SKILLS QUALIFICATION SUMMARY

Employability skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none">• Communicates with clients, colleagues and others using effective and appropriate communication techniques, including:<ul style="list-style-type: none">• Clear and direct communication• Active listening• Verbal and non-verbal language• Questioning to identify and confirm requirements• Language and concepts appropriate to cultural differences• Follows instructions from supervisor and other relevant persons• Understands, interprets and applies information as required from:<ul style="list-style-type: none">• Regulatory, legislative, licensing and organisational requirements• Environmental and OHS requirements, including material safety data sheets (MSDS)• Codes and standards• Plans, drawings and specifications• Delivery advice• Safety signs and symbols• Organisational policies and procedures• Understands relevant definitions, terminology, symbols, abbreviations and language• Records relevant information using standard workplace documentation• Applies measurements and calculations using appropriate equipment, formulas and records as required• Reports and records hazards and risks•
Teamwork	<ul style="list-style-type: none">• Works as part of a team• Provides assistance and encouragement to other team members• Initiates and encourages improvements in team performance• Identifies and utilises the strengths of other team members

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

- Relates to people from diverse social, cultural and ethnic backgrounds and with varying physical and mental abilities
 - Coordinates and actions tasks
 - Participates in on-site meetings
- Problem solving
- Examines tools and equipment prior to use for damage, missing components or other defects
 - Identifies typical faults and problems and takes remedial action and/or reports to supervisor
 - Rectifies simple faults with tools and equipment
 - Carries out tests, such as slump testing of concrete and high performance concrete testing
- Initiative and enterprise
- Identifies opportunities to improve resource efficiency and makes suggestions as appropriate
 - Responds to change and workplace challenges
 - Puts ideas into action
 - Maximises use of resources by recycling, re-using or using appropriate disposal methods
- Planning and organising
- Identifies hazards and implements appropriate hazard control measures
 - Identifies and manages risks
 - Selects and uses appropriate materials, tools and equipment
 - Determines material quantity requirements
 - Prioritises and sequences tasks
 - Applies time management skills to ensure work is completed to time requirements
- Self management
- Evaluates own actions and makes judgements about performance and necessary improvements
 - Contributes to workplace responsibilities, such as current work site environmental/sustainability frameworks or management systems
 - Manages own performance to meet workplace standards
 - Seeks support to improve work performance
 - Cleans up work area, including tools and equipment
- Learning
- Identifies own learning needs and seeks skill development as required
 - Is open to learning new ideas and techniques
- Technology
- Uses calculators
 - Uses and operates a range of tools and equipment correctly and safely

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

- Drives concrete boom delivery and concrete agitator trucks, and follows and applies safety, operational and servicing instructions when using vehicle
- Carries out pre- and post-operational checks on equipment and machines
- Performs tool and equipment maintenance as required

Packaging Rules

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.

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
CPCCCM2006A	Apply basic levelling procedures
CPCCOHS2001A	Apply OHS requirements, policies and procedures in the construction industry
RIICCM210A	Install trench support
<i>Concreting operations field of work</i>	
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

Concrete delivery field of work

CPCCLBM3001A Licence to operate a concrete placing boom

CPCCCO3032A Conduct concrete boom delivery operations

CPCCCO3033A Slump test concrete

CPCCCO3034A Conduct concrete agitator truck operations

General electives

CPCCCA2003A Erect and dismantle formwork for footings and slabs on ground

CPCCCA3001A Carry out general demolition of minor building structures

CPCCCM2007A Use explosive power tools

CPCCCM2008A Erect and dismantle restricted height scaffolding

CPCCCM2011A Carry out tilt-up work safely

CPCCSF2003A Cut and bend materials using oxy-LPG equipment

CPCCSF2004A	Place and fix reinforcement materials
CPCCSF3001A	Apply reinforcement schedule
BSBSMB301A	Investigate micro business opportunities
BSBSMB406A	Manage small business finances
RIICFW301A	Construct underpinning
RIIOHS302A	Implement traffic management plan
RIIWMG203A	Drain and dewater civil construction site