**Qualification**

**Qualification code** CPC30320

**Qualification title** Certificate III in Concreting

**Qualification description**

This is a qualification for concreters working in concreting operations on residential and commercial projects.

Occupational titles include:

* concreter
* concrete tilt panel fabricator.

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

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

Licensing, legislative, regulatory or certification requirements apply to concreting in some states and territories. For further information, check with the relevant regulatory authority.

Completion of the general construction induction training program, specified in the Safe Work Australia model *Code of Practice: Construction Work*, is required by anyone carrying out construction work. Achievement of CPCCWHS1001 *Prepare to work safely in the construction industry* meets this requirement.

**Packaging rules**

To achieve this qualification, competency must be demonstrated in:

* 22 units of competency:
	+ 17 core units
	+ 5 elective units.

For the elective units:

* 3 units must be selected from Group A
* the remaining 2 elective units may be selected from Group A and/or Group B or from any currently endorsed Training Package or accredited course at Certificate III or Certificate IV level.

**Prerequisite units**

An asterisk (\*) against a unit code below indicates that there is a prerequisite requirement that must be met. Prerequisite unit(s) must be assessed before assessment of any unit of competency with an asterisk. Check the unit of competency for information on specific prerequisite requirements. All prerequisite requirements are packaged in the qualification.

**Core units**

|  |  |
| --- | --- |
| CPCCCA3002\* | Carry out setting out |
| CPCCCA3028\* | Erect and dismantle formwork for footings and slabs on ground |
| CPCCCM2002\* | Carry out hand excavation |
| CPCCCM2006 | Apply basic levelling procedures |
| CPCCOM1012 | Work effectively and sustainably in the construction industry |
| CPCCOM1013 | Plan and organise work |
| CPCCOM1014 | Conduct workplace communication |
| CPCCOM1015 | Carry out measurements and calculations |
| CPCCOM2001\* | Read and interpret plans and specifications |
| CPCCON2021\* | Handle concreting materials and components |
| CPCCON2022\* | Select, use and maintain concreting plant, tools and equipment  |
| CPCCON3035\* | Determine concrete supply requirements |
| CPCCON3041\* | Place concrete |
| CPCCON3042\* | Finish concrete |
| CPCCON3043\* | Cure concrete |
| CPCCSF2004\* | Place and fix reinforcement materials |
| CPCCWHS2001 | Apply WHS requirements, policies and procedures in the construction industry |

**Elective units**

**Group A: Specialist elective units**

|  |  |
| --- | --- |
| CPCCON3036\* | Plan concrete work and brief team |
| CPCCON3044\* | Apply decorative finishes to concrete |
| CPCCON3046\* | Repair and rectify concrete |
| CPCCON3047\* | Cut concrete |
| CPCCON3048\* | Construct tilt panels on site |
| CPCCON3049\* | Apply and finish sprayed concrete |
| CPCCON3050\* | Carry out high performance concreting |
| CPCCON3051\* | Conduct off-form vertical concrete operations |
| CPCCON3053\* | Slump test concrete |
| CPCCON3054\* | Operate concrete agitator trucks |
| CPCCON3055\* | Install topping slabs |
| CPCCON3056\* | Conduct concrete pump delivery operations |
| CPCCON3057\* | Core concrete |

**Group B: General elective units**

|  |  |
| --- | --- |
| CPCCCM2007\* | Use explosive power tools |
| CPCCCM2008\* | Erect and dismantle restricted height scaffolding  |
| CPCCCM2012\* | Work safely at heights |
| CPCCLBM3001 | Licence to operate a concrete placing boom  |
| CPCCOM1016 | Identify requirements for safe precast and tilt-up work |
| CPCCSF2003\* | Cut and bend materials using oxy-LPG equipment |
| CPCCSF3001\* | Apply reinforcement schedule |

**Qualification mapping information**

Supersedes and is equivalent to CPC30318 Certificate III in Concreting.

**Links**

An Implementation Guide to this Training Package is available at: <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>