## Qualification Template

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| Code | Title |
| CPC5XX18 | Diploma of Hydraulic Services |

**Qualification Description**

This qualification reflects the role of a specialist hydraulic design consultant who designs plumbing and services systems in domestic, commercial and industrial contexts. The qualification includes the skills and knowledge to design complex hydraulic systems.

Occupational titles could include:

* Hydraulic design consultant

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

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required before entering a construction work site. Achievement of unit CPCCWHS1001 Prepare to work safely in the construction industry meets this requirement.

No licensing, legislative or certification requirements apply to this qualification at the time of publication. This qualification does not meet competency requirements for plumbing licencing or registration.

**Entry Requirements**

CPC4XX18 Certificate IV in Plumbing and Services (or equivalent superseded qualification)

**Packaging Rules**

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| To achieve this qualification, competency must be demonstrated in:* **X** units of competency:
* **17** core units
* **X** elective units.

The elective units must ensure the integrity of the AQF alignment and contribute to a valid, industry-supported vocational outcome and are to be chosen as follows:* a minimum of **X** elective units must be chosen from X listed below,
* up to **X** units may be chosen from the elective units listed below, or from other Training Packages
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| An asterisk against a unit code listed below indicates that there are prerequisite requirements that must be met when packaging the qualification. Users are referred to the list of units with prerequisite unit requirements available for this purpose in the Training Package Implementation Guide. |
| **Core units** |
| CPCPCM5010A | Design complex sanitary plumbing and drainage systems  |
| CPCPCM5011A | Design complex cold water systems  |
| CPCPCM5012A | Design complex stormwater and roof drainage systems  |
| CPCPCM5013A | Design complex (non-solar) heated water systems  |
| CPCPFS4024A | Design residential and domestic fire sprinkler systems |
| CPCPPS5000B | Design gas bulk storage systems  |
| CPCPPS5001B | Design industrial gas systems  |
| CPCPPS5002B | Design gas reticulation systems  |
| CPCPPS5023A | Design solar water heating systems  |
| CPCPPS5024A | Conduct a water audit and identify water-saving initiatives  |
| CPCPPS5025A | Design grey water re-use systems |
| CPCPPS5026A | Design rainwater collection, storage, distribution and re-use systems  |
| CPCPPS5028A | Design trade waste pre-treatment systems  |
| CPCPPS5030A | Design pump systems |
| CPCPPS5032A | Design siphonic stormwater drainage systems  |
| CPCSFS5001A | Define scope and hazard level of fire systems design projects |
| CPCSFS5007A | Create detailed designs for hydrant and hose reel systems |
| **Elective units** |
| CPCPPS5027A | Design irrigation systems  |
| CPCPPS5033A | Design vacuum sewerage systems  |
| CPCSUS5001A | Develop workplace policies and procedures for sustainability  |
| CPCPPS5015B | Inspect plumbing and drainage systems  |
| CPCPPS5014A | Locate and maintain piping systems  |
| CPCPCM5014A | Design sewer infrastructure systems |
| CPCPFS5011A | Design fire sprinkler systems |
| CPCPMS5010A | Design steam generation and distribution systems |
| CPCPMS5011A | Design air conditioning and ventilation systems |
| CPCPMS5012A | Design sound attenuated hydraulic services |
| CPCPMS5013A | Design hydronic heating and cooling systems |
| BSBWRT401 | Write complex documents |
| BSBITU202 | Create and use spreadsheets |
| CPCPCM4013A | Produce 2-D architectural drawings using CAD software  |
| CPCPCM4014A | Prepare simple sketches and drawings  |

**Qualification Mapping Information**

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| MAPPING OF QUALIFICATIONS |
| **Code and Title** | **CPC08 Construction, Plumbing and Services Training Package** | **Comments** | **Equivalent/ Not Equivalent** |
| CPC5XX18 Diploma of Hydraulic Services | CPC50612 Diploma of Hydraulic Services | Qualification supersedes and is equivalent to: CPC50612 | **E** |

**Links**

An Implementation Guide to this Training Package is available at:

[https://vetnet.education.gov.au/.... [ADD](https://vetnet.education.gov.au/....%20%5BADD) CPP or CPC LINK HERE]