

Qualification Template

QUALIFICATION CODE CPC50619

QUALIFICATION TEMPLATE Diploma of Hydraulic Services Design

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 CPC50619 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

CPC50619 Certificate IV in Plumbing and Services (or equivalent superseded qualification)

PACKAGING RULES

To achieve this qualification, competency must be demonstrated in:

- 18 units of competency:
 - 14 core units
 - 4 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 3 elective units must be chosen from the elective units listed below
- 1 unit may be chosen from the elective units listed below, or from any other Training Packages.

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

CPCPCM5010* Design complex sanitary plumbing and drainage systems

CPCPCM5011	Design complex cold water systems
CPCPCM5012	Design complex stormwater and roof drainage systems
CPCPCM5013	Design complex (non-solar) heated water systems
CPCPPS5002	Design gas reticulation systems
CPCPPS5023	Design solar water heating systems
CPCPPS5024	Conduct a water audit and identify water-saving initiatives
CPCPPS5025	Design grey water re-use systems
CPCPPS5026	Design rainwater collection, storage, distribution and re-use systems
CPCPPS5028	Design trade waste pre-treatment systems
CPCPPS5030	Design pump systems
CPCPPS5032	Design siphonic stormwater drainage systems
CPCSFS5001*	Define scope and hazard level of fire systems design projects
CPCSFS5007	Create detailed designs for hydrant and hose reel systems

Elective Units

BSBITU202	Create and use spreadsheets
BSBWRT401	Write complex documents
CPCPCM4013	Produce 2-D architectural drawings using design software
CPCPCM4014	Prepare simple drawings
CPCPFS5011	Design fire sprinkler systems
CPCPMS5013	Design hydronic heating and cooling systems
CPCPPS5014	Locate and maintain piping systems
CPCPPS5015	Inspect plumbing and drainage systems
CPCPPS5027	Design irrigation systems
CPCPPS5033*	Design vacuum drainage systems
CPCSUS5001	Develop workplace policies and procedures for sustainability

QUALIFICATION MAPPING INFORMATION

Code and Title	CPC08 Construction, Plumbing and Services Training Package	Comments	Equivalent status
CPC50619 Diploma of Hydraulic Services Design	CPC50612 Diploma of Hydraulic Services Design	Qualification supersedes and is equivalent to CPC50612 Diploma of Hydraulic Services Design.	E

LINKS

An Implementation Guide to this Training Package is available at: