Qualification Template

**QUALIFICATION CODE** CPC32820

**QUALIFICATION TITLE** Certificate III in Fire Protection

**QUALIFICATION DESCRIPTION**

This qualification reflects the trade qualified role of a person installing, testing, maintaining, routine service and repairing a range of fire protection systems.

Occupational titles could include:

* Fire sprinkler fitter tradesperson
* Fire sprinkler fitter.

This qualification includes units of competency common to other qualifications in the plumbing industry as well as specialist fire protection units and can provide a pathway to further learning and work in the fire protection industry.

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 *CPCCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

This is a licenced occupation. Licensing, legislative, regulatory and certification requirements may vary between states and territories. Relevant state and territory regulatory authorities should be consulted to confirm those requirements.

**ENTRY REQUIREMENTS**

There are no entry requirements for this qualification.

**PACKAGING RULES**

To achieve this qualification, competency must be demonstrated in:

* 38 units of competency:
	+ 33 core units
	+ 5 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 those listed below,
* up to 2 units may be chosen from the elective units listed below or from any Training Package or accredited course.

An asterisk (\*) against a unit code below indicates that the unit has a prerequisite. Please check the unit for information on this. All prerequisites are packaged in the qualification.

**Core Units**

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| --- | --- |
| CPCPCM2045\* | Handle and store plumbing materials |
| CPCPCM2046\* | Use plumbing hand and power tools |
| CPCPCM2019 | Carry out interactive workplace communication  |
| CPCPCM2041 | Work effectively in the plumbing and services sector |
| CPCPCM2040\* | Read plans, calculate quantities and mark out materials |
| CPCPCM2043 | Carry out WHS requirements |
| CPCPCM2047\* | Carry out levelling |
| CPCPCM2049\* | Cut using oxy-LPG-acetylene equipment |
| CPCPCM2052\* | Weld using oxy-acetylene equipment |
| CPCPCM2053\* | Weld using manual metal arc welding equipment |
| CPCPCM3023\* | Fabricate and install non-ferrous pressure piping |
| CPCPFS2021\* | Connect static storage tanks for fixed fire protection systems |
| CPCPFS3030 | Design fire sprinkler systems using pre-calculated charts and tables |
| CPCPFS3031\* | Fabricate and install fire hydrant and hose reel systems |
| CPCPFS3034\* | Install control valve assemblies, actuating devices and local alarms |
| CPCPFS3036\* | Install special hazard systems |
| CPCPFS3037\* | Install residential life safety sprinkler systems |
| CPCPFS3038\* | Test and maintain fire hydrant and hose reel installations |
| CPCPFS3040 | Conduct basic functional testing of water-based fire-suppression systems |
| CPCPFS3041 | Inspect and test fire pumpsets |
| CPCPFS3042\* | Conduct annual routine service of complex water-based fire-suppression systems |
| CPCPFS3043\* | Conduct functional water flow testing |
| CPCPFS3044\* | Install distribution and range pipes |
| CPCPFS3045\* | Fit off sprinkler heads, controls and ancillary equipment |
| CPCPFS3046\* | Test the integrity of water-based fire protection systems using pressure |
| CPCPFS3047\* | Test and maintain automatic fire sprinklers |
| CPCPFS3048\* | Install fixed fire pumpsets |
| CPCPMS3031\* | Fabricate and install steel pressure piping |
| CPCPWT3028\* | Install water services |
| CPPFES2025\* | Inspect, test and maintain gaseous fire-suppression systems |
| CPPFES2043\* | Prevent ozone depleting substance and synthetic greenhouse gas emissions |
| CPPFPSM3140 | Conduct monthly service of fire detection and alarm and emergency warning systems |
| CPPFPSM3167 | Conduct routine service of fire detection controls for fixed installed special hazard systems |

**General Electives**

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| CPCCCM2008\* | Erect and dismantle restricted height scaffolding |
| CPCCCM2012\* | Work safely at heights |
| CPCCCM3001 | Operate elevated work platforms |
| CPCCPB3015\* | Install acoustic and thermal environmental protection systems |
| CPCCRI3001 | Operate personnel and materials hoists |
| CPCCST2005\* | Carry out load slinging of off-site materials |
| CPCCWHS2001 | Apply WHS requirements, policies and procedures in the construction industry |
| CPCPCM2054\* | Carry out simple concreting and rendering |
| CPCPCM3021\* | Flash penetrations through roofs and walls |
| CPCPCM3022\* | Weld polyethylene and polypropylene pipes using fusion method |
| CPCPCM2048\* | Cut and join sheet metal |
| CPCPFS2022\* | Install portable fire equipment |
| CPCPFS3049\* | Conduct preventive maintenance on fixed fire pumpsets |
| CPCPWT3025 | Install water pumpsets |
| CPCPWT3029\* | Install water pipe systems |
| CPPCMN2002 | Participate in workplace safety arrangements |
| HLTAID003  | Provide first aid |
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# QUALIFICATION MAPPING INFORMATION

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| **Code and Title** | **CPC08 Construction, Plumbing and Services Training Package** | **Comments** | **Equivalency statement** |
| CPC32820 Certificate III in Fire Protection | CPC32813 Certificate III in Fire Protection | Qualification supersedes and is equivalent to CPC32813 Certificate III in Fire Protection | E |

**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>