



## Information for Plumbers seeking the license endorsement of ***Fire Protection (Commercial and Industrial)***

The Plumbing Industry Council (QLD) requires plumbers seeking the license endorsement *Fire Protection (Commercial and Industrial)* to obtain the additional qualification:

– CPC32811 Certificate III in Fire Protection.

The Certificate III in Fire Protection is a nationally recognised qualification for the trade of Sprinkler Fitter and provides an outcome in installing, testing and maintaining fire protection systems. The qualification has core and elective units of competency requirements that cover some common skills for the plumbing industry, as well as fire protection specialist units of competency.

In effect, the attainment of the sprinkler fitting qualification will provide a dual trade and licensed outcome for a plumber.

To achieve the Certificate III in Fire Protection, participants must demonstrate competency in:

- 37 units of competency consisting of:
  - 31 core units; and
  - 6 elective units

### **Core Units**

#CPCPCM2002A	Carry out interactive workplace communication
#CPCPCM2004A	Read plans and calculate plumbing quantities
#CPCPCM2011A	Apply first aid in the workplace
#CPCPCM2021A	Work effectively in the plumbing and services sector
#CPCPCM2023A	Carry out OHS requirements
#CPCPCM2025A	Handle and store plumbing materials
#CPCPCM2026A	Use plumbing hand and power tools
#CPCPCM2027A	Carry out levelling
#CPCPCM2028A	Cut and join sheet metal
#CPCPCM2029A	Cut using oxy-LPG-acetylene equipment
#CPCPCM2030A	Mark out materials
#CPCPCM2032A	Weld using oxy-acetylene equipment
#CPCPCM2033A	Weld using arc welding equipment
#CPCPCM3013A	Fabricate and install non-ferrous pressure piping
#CPCPFS2011A	Connect static storage tanks for fixed fire protection systems
CPCPFS3010A	Design pre-calculated fire sprinkler systems
#CPCPFS3011A	Fabricate and install fire hydrant and hose reel systems
CPCPFS3012A	Install distribution and range pipes
CPCPFS3013A	Fit off sprinkler heads, controls and ancillary equipment
CPCPFS3014A	Install control valve assemblies, actuating devices and local alarms
CPCPFS3015A	Test fire protection systems for pressure
CPCPFS3016A	Install special hazard systems
CPCPFS3017A	Install domestic and residential life safety sprinkler systems
#CPCPFS3018A	Test and maintain fire hydrant and hose reel installations
CPCPFS3019A	Test and maintain automatic fire sprinklers
CPCPMS3011A	Fabricate and install steel pressure piping
#CPCPWT3015A	Install water pump sets



CPCPWT3018A	Install water service
PRMPFES25C	Inspect, test and maintain gaseous fire suppression systems
PRMPFES47A	Inspect and test control and indicating equipment
PRMPFES43A	Prevent ozone depleting substance and synthetic greenhouse gas emissions

### **Elective units**

CPCCCM2008A	Erect and dismantle restricted height scaffolding
CPCCCM2010A	Work safely at heights
CPCCCM3001B	Operate elevated work platforms
CPCCPB3015A	Install acoustic and thermal environmental protection systems
CPCCRI3001A	Operate personnel and materials hoists
CPCCST2005A	Carry out load slinging of off-site materials
CPCPCM2034A	Carry out simple concreting and rendering
CPCPCM2035A	Work safely on roofs
#CPCPCM3011A	Flash penetrations through roofs and walls
CPCPCM3012A	Weld plastic pipe using fusion method
CPCPFS2012A	Install portable fire equipment
CPCPFS3020A	Conduct basic functional testing of water-based fire-suppression systems
CPCPFS3021A	Inspect and test fire pump sets
CPCPFS3022A	Conduct annual functional testing of complex water-based fire suppression systems
CPCPFS3023A	Conduct functional water flow testing
CPCPWT3019A	Install water pipe systems
RIICCM210A	Install trench support

The units marked # are those which a qualified plumber may be eligible to receive direct credit arrangements towards the sprinkler fitting qualification as a result of their plumbing apprenticeship (Please note the units would need to be prefixed by either the letters BCP or CPC for direct credit).

Plumbers who may have undertaken their apprenticeship prior to the qualification codes of BCP and CPC will need to undertake a recognition of prior learning process (RPL) to demonstrate competency in the above units that are being sought for credit arrangements.

There are 2 options to obtain the Certificate III in Fire Protection:

- Enter into the Sprinkler Fitting apprenticeship. The apprenticeship is nominally 4 years and requires the employer to provide supervision by a licensed sprinkler fitter and appropriate range of work for all aspects of the core units and the nominated elective units. Direct unit credit arrangements and/or a RPL process may also be applicable in determining what units are required to be delivered.
- Undertake a direct unit credit arrangement and/or a RPL process, not within an apprenticeship, and undertake any gap training within a simulated environment at the JIST Skills centre in Brisbane.

The Queensland Government will contribute to the cost of training if an apprenticeship is undertaken. An RPL process and gap training process, not within an apprenticeship, will be on a fee-for-service basis.



For further information please contact JIST on (07) 3255 5698.