

Plumbers & Gas Fitters

Qualifications guidelines

Plumber, Gas Fitters and Electricians Act 1995

To be eligible for a trade licence from 1 January 2016 an applicant must have:

Completed a trade apprenticeship in a licensed trade (which includes a Certificate III)

OR

Completed a **Certificate III** in a licensed trade that was **issued** on or before **31 December 2015**

Plumbing workers

Scope of Work - Any Plumbing Work under Technical Direction (does not include the installation, alteration, repair or maintenance of fire sprinklers)

Option 1

- CPC32408 or CPC32411 - Certificate III in Plumbing;
- and

Evidence of successful completion of the following units of competency:

- CPCPDR2001A - Locate and clear blockages
- CPCPDR2002A - Install domestic treatment plants
- CPCPDR2004A - Install stormwater and sub-soil drainage systems
- CPCPDR2005A - Drain worksite
- CPCPDR2006A - Install pre-fabricated inspection openings and enclosures
- CPCPDR3001A - Plan layout of a residential external sanitary drainage system
- CPCPDR3002A - Install below ground sanitary drainage systems
- PCPDR3003A - Install on-site disposal systems
- BCCCM2010B - Install trench support

Option 2

CPC32508 or CPC32511 Certificate III in Plumbing (Mechanical Services)

and

- Evidence of successful completion of the following units of competency:
- CPCPCM2008A - Cut and join sheet metal
- CPCPDR2001A - Locate and clear blockages
- CPCPSN3001A - Plan the layout for a residential sanitary plumbing system
- CPCPSN3002A - Install discharge pipes
- CPCPSN3003A - Fabricate and install sanitary stacks
- CPCPSN3004A - Install and fit off sanitary fixtures
- CPCPDR2002A - Install domestic treatment plants

- CPCPDR2004A - Install stormwater and sub-soil drainage systems
- CPCPDR2005A - Drain worksite
- CPCPDR2006A - Install pre-fabricated inspection openings and enclosures
- CPCPDR3001A - Plan layout of a residential external sanitary drainage system
- CPCPDR3002A - Install below ground sanitary drainage systems
- CPCPDR3003A - Install on-site disposal systems
- BCCCM2010B - Install trench support

Option 3

- CPC32412 or CPC32413 Certificate III in Plumbing or CPC32513 Certificate III in Plumbing (Mechanical Services)

and

Evidence of successful completion of the following units of competency:

- CPCPDR2021A - Locate and clear blockages;
- CPCPDR2022A - Install domestic treatment plants;
- CPCPDR2024A - Install stormwater and sub-soil drainage systems;
- CPCPDR2025A - Drain work site;
- CPCPDR2026A - Install pre-fabricated inspection openings and enclosures;
- CPCPDR3011B or CPCPDR3021A - Plan layout of a residential sanitary drainage system;
- CPCPDR3022A - Install below ground sanitary drainage systems;
- CPCPDR3023A - Install on-site disposal systems; and
- RIICCM210A - Install trench support

Scope of Work - Any Plumbing Work (does not include the installation, alteration, repair or maintenance of fire sprinklers)

- Holds, or is entitled to hold, a plumbing worker registration restricted to *work under technical direction of a plumbing worker; (does not include the installation, alteration, repair or maintenance of fire sprinklers).*

and

Evidence of successful completion of the following units of competency:

- CPCPCM4001A or CPCPCM4011A - Carry out work based risk control processes
- CPCPWT4002A or CPCPWT4012A or CPCPWT4022A - Commission and maintain backflow prevention devices
- CPCPSN4001A - Plan, size and layout sanitary pipework and fixtures or
CPCPSN4011A or CPCPSN4011B - Design and size sanitary plumbing systems
- CPCPDR4001A - Plan, size and layout sanitary drainage systems or
CPCPDR4011A or CPCPDR 4011B - Design and size sanitary drainage systems
- CPCPDR4002A - Plan, size and layout stormwater drainage systems or
CPCPDR4012A or CPCPDR 4012B - Design and size stormwater drainage systems
- CPCPDR4003A - Plan, size and layout domestic treatment plant disposal systems or
CPCPDR4013A or CPCPDR4013B - Design and size domestic treatment plant disposal systems
- CPCPWT4001A - Plan, size and layout hot and cold water services and systems or
CPCPWT4011A or CPCPWT4011B - Design and size heated and cold water services and systems.

and

Evidence of successful completion of one of the following:

- Estimating 1A
- CPCPCM4002A or CPCPCM4012A - Estimate and cost work
- Tendering and Contracting from PEER VEET

Or if applicant also holds a current gas fitters workers registration with the scope “Can perform any gas fitting work”

Evidence of successful completion of the following units of competency:

- CPCPWT4002A or CPCPWT4012A or CPCPWT4022A - Commission and maintain backflow prevention devices
- CPCPSN4001A - Plan, size and layout sanitary pipework and fixtures or CPCPSN4011A or CPCPSN4011B - Design and size sanitary plumbing systems
- CPCPDR4001A - Plan, size and layout sanitary drainage systems or CPCPDR4011A or CPCPDR 4011B - Design and size sanitary drainage systems
- CPCPDR4002A - Plan, size and layout stormwater drainage systems or CPCPDR4012A or CPCPDR 4012B - Design and size stormwater drainage systems
- CPCPDR4003A - Plan, size and layout domestic treatment plant disposal systems or CPCPDR4013A or CPCPDR4013B - Design and size domestic treatment plant disposal systems
- CPCPWT4001A - Plan, size and layout hot and cold water services and systems or CPCPWT4011A or CPCPWT4011B - Design and size heated and cold water services and systems.

Scope of Work - Permitted to install, commission, test & certify backflow prevention devices

- Evidence of successful completion of the CPCPWT4022A - Commission and maintain backflow prevention devices.

Note: this scope of work is already covered by registrations that are endorsed *any plumbing work* and are not limited to being under direction or under supervision. No additional application is necessary.

Scope of Work - Fire protection work, can provide technical direction

- BCP30503 or CPC32808 or CPC32811, or CPC32812, CPC32813 - Certificate III in Fire Protection

Scope of Work - limited to testing and inspecting of fire hose reels and the 6 monthly or more frequent testing and inspecting of fire suppression systems specified by AS1851

The following units of competency from the CPP20511 Certificate II in Fire Protection Inspection and Testing:

- CPPCMN2002A - Participate in workplace safety arrangements
- CPPFES2006A - Prepare for installation and servicing operations
- CPPFES2004A - Identify types of installed fire safety equipment and systems

- CPCPFS3020A - Conduct basic functional testing of water-based fire-suppression systems
- CPCPFS3021A - Inspect and test fire pump sets
- CPPFES2010A - Inspect and test fire hose reels
- CPPFES2037A - Inspect and test fire hydrant systems
- CPPFES2047A - Inspect and test control and indicating equipment

Scope of Work - plumbing limited to maintenance or replacement of domestic type electrical water heater (max 450 litre capacity & 4.8 kw rating)

Evidence of successful completion of the Electrical Water Heater Units for Electricians course

Gas fitting workers

Scope of Work - under technical direction of a gas fitting worker ltd to install commission domestic, commercial and industrial gas appliances and equipment

Option 1

- BCP30403 or CPC32708 or CPC32711 or CPC32712 or CPC32713 Certificate III in Gas Fitting

Option 2

- CPC32408 Certificate III in Plumbing or CPC32508 Certificate III in Plumbing (Mechanical Services)

and

Evidence of successful completion of the following units of competency:

- CPCPCM2008A - Cut and join sheet metal
- CPCPGS3001A - Install gas piping systems
- CPCPGS3002A - Size consumer piping systems
- CPCPGS3003A - Install and commission Type A gas appliances
- CPCPGS3004A - Install LP gas storage of aggregate storage capacity up to 500 litres
- CPCPGS3006A - Install LP gas systems in caravans, mobile homes, water craft and mobile work places
- CPCPGS3007A - Install gas detection devices
- CPCPGS3008A - Install gas pressure control equipment
- CPCPGS3009A - Install Type A gas appliance flues
- CPCPGS3011A - Purge consumer piping
- CPCPGS3013A - Disconnect and reconnect Type A gas appliances
- CPCPGS3014A - Calculate and install natural ventilation for Type A gas appliances.

Option 3

- CPC32411 Certificate III in Plumbing or CPC32511 Certificate III in Plumbing (Mechanical Services);

and

Evidence of successful completion of the following units of competency:

- CPCPCM2028A - Cut and join sheet metal
- CPCPGS3031A - Install gas piping systems
- CPCPGS3032A - Size consumer piping systems
- CPCPGS3033A - Install and commission Type A gas appliances
- CPCPGS3034A - Install LPG storage of aggregate storage capacity exceeding 500 litres
- CPCPGS3016A - Install LP gas systems in caravans, mobile homes, water craft and mobile workplaces
- CPCPGS3017A - Install gas detection devices
- CPCPGS3018A - Install gas pressure control equipment
- CPCPGS3019A - Install Type A gas appliance flues
- CPCPGS3021A - Purge consumer piping
- CPCPGS3023A - Disconnect and reconnect Type A gas appliances
- CPCPGS3024A - Calculate and install natural ventilation for Type A gas appliances

Option 4

- CPC32412 or CPC32413 Certificate III in Plumbing or CPC32513 Certificate III in Plumbing (Mechanical Services)

and

Evidence of successful completion of the following units of competency:

- CPCPCM2048A - Cut and join sheet metal;
- CPCPGS3056A - Install gas piping systems;
- CPCPGS3057A - Size consumer piping systems;
- CPCPGS3058A or CPCPGS3061A - Install and commission Type A gas appliances;
- CPCPGS3059A - Install LPG storage of aggregate storage capacity exceeding 500 litres;
- CPCPGS3046A - Install LP gas systems in caravans, mobile homes and mobile workplaces;
- CPCPGS3047A - Install LP gas systems in marine craft;
- CPCPGS3048A - Install gas pressure control equipment;
- CPCPGS3049A - Install Type A gas appliance flues;
- CPCPGS3051A - Purge consumer piping;
- CPCPGS3053A - Disconnect and reconnect Type A gas appliances; and
- CPCPGS3054A - Calculate and install natural ventilation for Type A gas appliances.

Scope of Work - Can Perform Any Gas Fitting Work

Option 1

- Holds, or is entitled to hold, a gas fitting worker registration restricted to work under technical direction of gas fitting worker ltd to install & commission domestic, commercial & industrial gas appliances & equipment;

and

Evidence of successful completion in the following units of competency:

- CPCPCM4001A or CPCPCM4011A - Carry out work based risk control processes;

- CPCPGS4001A - Plan, size and layout consumer gas installations or CPCPGS4011A or CPCPGS4011B - Design and size consumer gas installations;
- CPCPGS4002A or CPCPGS4012A or CPCPGS4022A - Service Type A gas appliances;

and

One of the following:

- Estimating 1A;
- CPCPCM4002A or CPCPCM4012A- Estimate and cost work;
- Tendering and Contracting from PEER VEET.

Or if applicant also holds a current plumbing workers registration with the scope “Can perform any plumbing work” which is not limited to being under direction or supervision:

Evidence of successful completion in the following units of competency:

- CPCPGS4001A - Plan, size and layout consumer gas installations or CPCPGS4011A or CPCPGS4011B - Design and size consumer gas installations;
- CPCPGS4002A or CPCPGS4012A or CPCPGS4022A - Service Type A gas appliances;

Scope of Work - limited to installation, servicing and commissioning of “Type B” gas appliances & associated equipment (as defined in AS3814), downstream of the appliance isolation valve

Option 1

Evidence of successful completion of BCPGS4003A -Install, commission and service Type B gas appliances.

Scope of Work - limited to LPG installations on recreational vehicles & mobile places of work as defined under AS5601 (excluding marine craft) as a proprietor, contractor or employee of a manufacturer &/or repair business

Option 1

Evidence of successful completion in the following units of competency:

- CPCGS3057A or BCPGS3002A - Size Consumer Piping Systems
- CPCGS3046A or BCPGS3006A - Install LP Gas Systems in Caravans/mobile homes water craft and mobile places of work

If you received your training outside of Australia, please refer to the PGE Overseas Trained Workers guideline for information about qualifications and how to apply.

Important note: the qualifications listed on this guideline come from the most recent training packages. If you have older qualifications you may still be eligible to apply, please contact our office to discuss.

Contractor’s licence

If your registration is restricted to working under technical direction or supervision, you will need to obtain the required qualifications detailed above for an unrestricted registration before applying for the contractor licence.

For more information

Email	Website	Phone	In person
occupational@sa.gov.au	www.cbs.sa.gov.au	131 882	Customer Service Centre 91 Grenfell Street ADELAIDE SA 5000