

Plumber – Gasfitter

Certificate III in Plumbing – CPC32408

Job Description Plumbers specialise in installing, maintaining and repairing pipes, drains, cladding, mechanical services and related equipment for water supply, gas, drainage, sewage, heating and cooling and other systems under the general supervision and subject to the control of a licensee. (This sample is for the Gas and Mechanical streams).

- Summary of Training**
- ▶ Work effectively in the plumbing and services sector
 - ▶ Carry out interactive workplace communication
 - ▶ Carry out OHS requirements
 - ▶ Read plans and calculate plumbing quantities
 - ▶ Handle and store plumbing materials
 - ▶ Use plumbing hand and power tools
 - ▶ Carry out levelling
 - ▶ Mark out materials
 - ▶ Apply first aid in the workplace
 - ▶ Weld using oxy-acetylene equipment
 - ▶ Weld using arc welding equipment
 - ▶ Carry out simple concreting and rendering
 - ▶ Flash penetrations through roofs and walls
 - ▶ Weld plastic pipe using fusion method
 - ▶ Fabricate and install non-ferrous pressure piping
 - ▶ Fabricate and install fire hydrant and hose reel systems
 - ▶ Install domestic and residential life safety sprinkler systems
 - ▶ Work safely on roofs
 - ▶ Set out and install water services
 - ▶ Install and adjust water service controls and devices
 - ▶ Install and commission water heating systems
 - ▶ Install water pump sets
 - ▶ Fit off and commission hot and cold water services
 - ▶ Connect irrigation systems from drinking water supply
 - ▶ Cut and join sheet metal
 - ▶ Locate and clear blockages
 - ▶ Plan layout of a residential sanitary plumbing system
 - ▶ Install discharge pipes
 - ▶ Fabricate and install sanitary stacks
 - ▶ Install and fit off sanitary fixtures
 - ▶ Design domestic urban irrigation systems
 - ▶ Set out, install and commission irrigation systems
 - ▶ Install and commission domestic irrigation pumps
 - ▶ Fabricate and install steel pressure piping
 - ▶ Select and fit insulation and sheathing
 - ▶ Collect and store roof water
 - ▶ Install trench support
 - ▶ Erect and dismantle restricted height scaffolding



- ▶ Operate elevated work platforms
- ▶ Maintain effluent disinfection systems
- ▶ Cut and join sheet metal
- ▶ Install gas piping systems
- ▶ Size consumer gas piping systems
- ▶ Install and commission Type A gas appliances
- ▶ Install LPG storage of aggregate storage capacity up to 500 litres
- ▶ Install LPG systems in caravans, mobile homes, water craft and mobile workplaces
- ▶ Install gas detection devices
- ▶ Install gas pressure control equipment
- ▶ Install Type A gas appliance flues
- ▶ Purge consumer piping
- ▶ Disconnect and reconnect Type A gas appliances
- ▶ Calculate and install natural ventilation for Type A gas appliances
- ▶ Cut using oxy-LPG-acetylene equipment
- ▶ Assemble mechanical services components
- ▶ Install and test ducting systems
- ▶ Install air handling units
- ▶ Maintain Type A gas appliances
- ▶ Cut and join sheet metal
- ▶ Assemble mechanical services components
- ▶ Fabricate and install steel pressure piping
- ▶ Install small bore heating systems
- ▶ Install acoustic and thermal environmental protection systems
- ▶ Operate personnel and materials hoists
- ▶ Select and fit insulation and sheathing
- ▶ Install and test ducting systems
- ▶ Install air handling units
- ▶ Install and test split system air conditioning
- ▶ Install air conditioning control equipment
- ▶ Maintain mechanical services equipment
- ▶ Install refrigeration and air conditioning plant and equipment
- ▶ Install pipework and pipework assemblies
- ▶ Test, recover, evacuate and charge refrigeration systems
- ▶ *Units of competency achieved in one stream count as credit for the same unit in the compulsory or elective requirements for any other stream.*
- ▶ ***This Australian Apprenticeships occupation may attract additional incentives under a range of initiatives in the Australian Government's Skilling Australia for the future initiative. This may include incentives to take up a trade or upgrade your skills. For more information contact an Australian Apprenticeships Centre, call the Australian Apprenticeships referral line on 13 38 73 or go to www.australianapprenticeships.gov.au/employer/incentives.asp***

Note

This is one sample of the skills a person will learn when they undertake this qualification as an Australian Apprentice. Most qualifications have a wider range of skills options from which to choose. In some cases additional prerequisite training may have to be completed. This sample is provided as a guide only. For more details seek advice from an Australian Apprenticeship Centres or a Registered Training Organisation.





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