



APPRENTICESHIP PROGRAM: Plumbing (MECHANICAL SERVICES) **Certificate III in Plumbing—Mechanical Services(CPC32513)**

Employers make a significant investment in apprentices, therefore the Mechanical Plumbing course provided at The Service Trades College Australia is far more than just a training program. It is an opportunity for apprentices to gain all the skills and industry knowledge they need to embark on a successful career path.

COURSE OVERVIEW

The best and brightest apprentices will be attracted by the mechanical plumbing focus and practical elements of this apprenticeship program. Participants will gain skills in the use of new industry construction technologies and equipment with support from leading manufacturers and trainers. This qualification provides competencies in installing pipe work, testing and maintain pipes, gas appliances and water heaters; mechanical ducting; and heating and cooling systems. In addition to training which is specifically tailored for the commercial sector, eligible employers and apprentices will receive a range of additional benefits. The most significant of these is the reimbursement to employers for the additional four weeks of training time for apprentices.

ONCE ENROLLED, ELIGIBLE APPRENTICES WILL RECEIVE:

- An iPad with access to online course content and electronic log book
- Uniforms—Shirts
- Access to apprentice mentors
- Four weeks of employee wage reimbursement

ELIGIBILITY

Students must be employed as an apprentice in the relevant industry and have signed up through an Australian Apprenticeship Support Network provider (AASN), stating The Service Trades College Australia as the Supervising Registered Training Organisation (SRTO).

Credit Transfer (CT) and Recognition of Prior Learning (RPL) are two ways that a student may obtain credit towards their program of study.

COST:

If you have completed year 12 within the last 12 months and live in Queensland you can train for free!

Eligible apprentices that meet the Queensland state funding requirements will be charged a students contribution fee of \$1.60 per nominal hour. The total qualification fee is \$1,768.



DURATION & DELIVERY MODE

Duration

Block training typically consists of College attendance three times a year for two weeks each time Monday to Friday (7am –3pm).

Face to face learning

Training is delivered at our state of the art PICAC Beenleigh Training Centre, South Brisbane. The Campus provides simulated work environments that provide dynamic and practical learning in a safe setting.

CONTACT US

For full details, see training courses tab on the website www.theservicetradescollege.com.au

For general enquires:

info@tstca.com.au or (07) 3255 5698

6 Quindus Street, Beenleigh QLD 4207

Po Box 354, Beenleigh QLD 4207

KEEP TRAINING AND STAY AHEAD

TERMS AND CONDITIONS APPLY

INDUSTRY OWNED—PREMIUM TRAINED



The qualification, Certificate III in Plumbing (Mechanical Services) will be awarded after successful completion of the following Units of Competency:

The units marked with an asterisk (*) are clustered into groups and all assessments within a group are conducted concurrently. Students must complete **all** work in the cluster to achieve an assessment outcome

Foundation Skills 1:

- ***CPCPCM2041A** Work effectively in the plumbing and service sector
- ***CPCPCM2039A** Carry out interactive workplace communication
- CPCPCM2043A** Carry out WHS requirements
- ***CPCPCM2045A** Handle and store plumbing materials
- ***CPCPCM2046A** Use plumbing hand and power tools
- HLTFA211A** Provide basic emergency life support (CEPUTEC RTO: 4612)
- CPCCOHS2001A** Apply OHS requirements, policies and procedures in the construction industry
- CPCCCM3001C** Operate elevated work platforms (WH&S More Skills RTO: 32365)
- CPCPM2055A** Work safely on roofs (WH&S More Skills RTO: 32365)

Foundation Skills 2:

- CPCPCM2040A** Read plans and calculate plumbing quantities
- ***CPCPCM2048A** Cut and join sheet metal
- ***CPCPCM2049A** Cut using oxy-LPG/Acetylene equipment
- ***CPCPCM2050A** Mark out materials
- ***CPCPCM2052A** Weld using oxy-acetylene equipment
- ***CPCPCM2053A** Weld using manual metal arc welding equipment

Stage 3—Water 1:

- CPCPM3023A** Fabricate and install non-ferrous pressure piping
- ***CPCPWT3020A** Connect and install storage tanks to a domestic water supply
- ***CPCPWT3021A** Set out and install water services
- ***CPCPWT3022A** Install and adjust water service controls and devices
- ***CPCPWT3023A** Install and commission water heating systems
- ***CPCPWT3024A** Install and maintain domestic water treatment equipment
- ***CPCPWT3026A** Fit off and commission heated and cold water services

Stage 4—Water2

- CPCPFS3031A** Fabricate and install fire hydrant and hose reel systems
- CPCPFS3038A** Test and maintain fire hydrants and hose reel installations
- CPCPRF2023A** Collect and store roof water
- CPCPWT3025A** Install water pumpsets
- CPCPWT3027A** Connect irrigation systems from drinking water supply

Stage 5—Roofing

- ***CPCPCM3021A** Flash penetrations through roof and walls
- ***CPCPRF2022A** Select and install roof sheeting and wall cladding
- ***CPCPRF3022A** Fabricate and install roof drainage components
- ***CPCPRF3023A** Fabricate and install external flashings
- ***CPCPRF3026A** Install composite roof systems

Stage 6—Sanitary

- ***CPCPSN3011B** Plan layout of a residential sanitary plumbing system
- ***CPCPSN3022A** Install discharge pipes
- ***CPCPSN3023A** Fabricate and install sanitary stacks
- ***CPCPSN3024A** Install and fit off sanitary fixtures
- CPCPCM3022A** Weld polyethylene and polypropylene pipes using fusion method

Stage 7—Drainage

- CPCPCM2047A** Carry out levelling
- CPCPCM2054A** Carry out simple concreting and rendering
- RIICCM210A** Install trench support
- CPCPDR2021A** Locate and clear blockages

Stage 8—Mechanical

- CPCPMS2021A** Assemble mechanical service components
- CPCPMS3031A** Fabricate and install steel pressure piping
- CPCPMS3032A** Select and fit insulation and sheathing
- CPCPMS3033A** Install small bore heating systems
- CPCPMS3035A** Install and test ducting systems
- CPCPMS3036A** Install air handling units
- CPCPMS3038A** Install air-conditioning control equipment
- CPCPMS3039A** Maintain mechanical control equipment
- MEMO5049B** Perform routine gas tungsten arc welding
- MEMO5050B** Perform gas metal arc welding

Stage 9—Gas 1

- CPCPGS3051A** Purge consumer piping
- CPCPGS3052A** Maintain Type A gas appliances
- CPCPGS3053A** Disconnect and reconnect Type A gas appliances
- CPCPGS3054A** Calculate and install natural ventilation for Type A gas appliances
- CPCPGS3055A** Install gas sub-meters
- CPCPGS3056A** Install gas piping systems
- CPCPGS3057A** Size consumer gas piping systems
- CPPGS3061A** Install and commission Type A gas appliances

Stage 10—Gas 2

- CPCPGS3046A** Install LPG systems in caravans, mobile homes and mobile workplaces
- CPCPGS3047A** Install LPG systems in marine craft
- CPCPGS3048A** Install gas pressure control equipment
- CPCPGS3049A** Install Type A gas appliance flues
- CPCPGS3059A** Install LPG storage of aggregate storage capacity of up to 500 litres
- CPCPGS3060A** Install LPG storage of aggregate storage capacity exceeding 500 litres but less than 8KL