

# 2026



## PICAC Course Guide

Queensland

PLUMBING  
FIRE PROTECTION  
SAFETY, EQUIPMENT & WHS

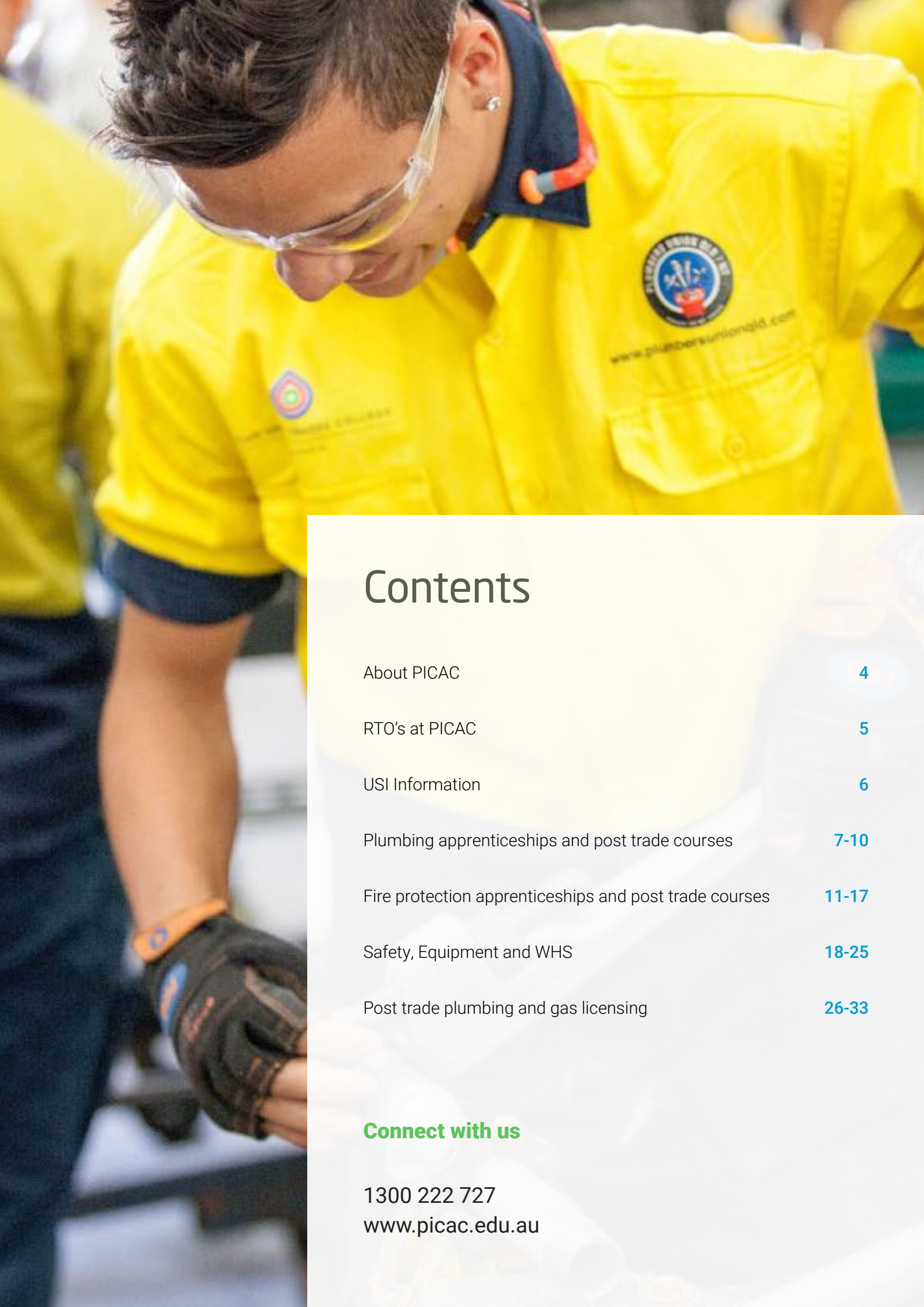




# PLUMBING INDUSTRY CLIMATE ACTION CENTRE



DISCLAIMER: The information in this training schedule is correct as at January 2026. Changes in circumstances after this date might change the accuracy of the information. PICAC reserves the right to alter any content described in this course guide without notice.



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## Connect with us

1300 222 727  
[www.picac.edu.au](http://www.picac.edu.au)



# About PICAC

**By showcasing the world's very best leading edge technology, we are training the plumbers of tomorrow, today**

PICAC is a national collaboration between key industry stakeholders in the plumbing, fire protection and HVAC industries. It is a not for profit, run solely for skills development. The first PICAC campus opened in Brunswick, Victoria in 2008. Since then, PICAC has expanded to Geelong and Narre Warren (VIC), Glenwood (NSW) and Beenleigh (QLD).

PICAC is funded by industry – through a levy provided for in the Plumbing and Fire Protection Enterprise Bargaining Agreement's in Victoria, New South Wales and Queensland.

While many traditional training providers struggled to keep pace, PICAC has evolved to meet the demands of the workforce, training over 5000 individual students in over 500 individual courses. PICAC has become a definitive point of reference. A place where the role of Plumbing as the key enabler of economic growth and environmental sustainability is recognised, developed and promoted.



Plumbing and Pipe Trades  
Employees Union  
Queensland



National Fire Industry  
Association



Master Plumbers'  
Association of Queensland

Master Plumbers'  
Association of Queensland



## Registered Training Organisations (RTOs) delivering training in association with PICAC

### The Service Trades College Australia

RTO 31239

- Apprenticeship (plumbing)
- Licensing
- Post-apprenticeship specialisation



THE SERVICE TRADES COLLEGE

AUSTRALIA

### Fire Industry Training

RTO 22101

- Pre-apprenticeship (fire protection)
- Apprenticeship (fire control)
- Specialist training
- Licensing



### CEPUTEC

RTO 4612

- OHS/WHS
- First aid
- Plant and equipment
- Welding



### Master Plumbers' Association of Queensland

RTO 30473

- Post-apprenticeship specialisation
- Licensing
- Licence endorsement



Master Plumbers'  
Association of Queensland



## Unique Student Identifier (USI)

A USI is your individual education identifier for life. It also creates an online record of your training attainments in Australia.

If you are undertaking either nationally recognised training, or a higher education qualification, you need a USI in order to receive commonwealth financial assistance, as well as to obtain your qualification or statement of attainment.

You only have to create it once. To create your USI, visit [www.usi.gov.au](http://www.usi.gov.au).



# Plumbing apprenticeship and post trade courses

**RTO: 31239 The Service Trades College (STC)**



THE SERVICE TRADES COLLEGE  
AUSTRALIA

## APPRENTICESHIP PROGRAMS

<b>CPC32420 Certificate III in Plumbing</b>	8
<b>CPC32420 Certificate III in Plumbing Mechanical Services</b>	9

## POST TRADE QUALIFICATIONS

<b>CPCPMS3034 Install and test medical gas pipeline systems</b>	10
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**Course provider:**

The Service Trades College  
(STC) - RTO 3123

**How to apply:**

T: 1300 222 727  
E: [qldadmin@tstca.com.au](mailto:qldadmin@tstca.com.au)

**Location:**

PICAC Beenleigh, QLD



THE SERVICE TRADES COLLEGE  
AUSTRALIA



## CPC32420 Certificate III in Plumbing

### Course overview

The best and brightest apprentices will be attracted by the proactive practical elements of this apprenticeship program. Participants will gain skills in the use of new industry technologies and equipment with support from our trainers.

This qualification provides competencies in installing pipes, fixtures and gas regulators; installing pumps, gas appliances, water tanks, water heaters and water heating 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.

### Eligibility

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

### Free apprenticeships for under 25s

If you're under 25, the Queensland Government will cover the cost of your training with a training provider when you choose a high priority apprenticeship or traineeship. Your employer will pay your wages, and you might have to meet costs related to any uniform or other training resources.

### Duration and delivery mode

Training is delivered at the state of the art PICAC Beenleigh campus. Our knowledgeable trainers utilise the latest industry methods and equipment to prepare specialists for the future.

At apprenticeship commencement an individual training plan is developed for each apprentice. The duration of attendance may vary depending on the stage and the units of competency specified in the apprentices individual training plan.

### Recognition

On successful completion of this course you will be awarded the CPC32420 – Certificate III in Plumbing.

Visit [www.theservicetradescollege.com.au](http://www.theservicetradescollege.com.au)  
or call **1300 222 727** for more info

[Click here to learn more about enrolment information](#)



THE SERVICE TRADES COLLEGE  
AUSTRALIA



## CPC32420 Certificate III in Plumbing Mechanical Services

### Course overview

The best and brightest apprentices will be attracted by the proactive practical elements of this apprenticeship program. Participants will gain skills in the use of new industry technologies and equipment with support from our trainers.

This qualification provides competencies in installing pipes, fixtures and gas regulators; installing pumps, gas appliances, water tanks, water heaters and water heating 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.

### Eligibility

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

### Free apprenticeships for under 25s

If you're under 25, the Queensland Government will cover the cost of your training with a training provider when you choose a high priority apprenticeship or traineeship. Your employer will pay your wages, and you might have to meet costs related to any uniform or other training resources.

### Duration and delivery mode

Training is delivered at the state of the art PICAC Beenleigh campus. Our knowledgeable trainers utilise the latest industry methods and equipment to prepare specialists for the future.

At apprenticeship commencement an individual training plan is developed for each apprentice. The duration of attendance may vary depending on the stage and the units of competency specified in the apprentices individual training plan.

### Recognition

On successful completion of this course you will be awarded the CPC32420 – Certificate III in Plumbing (Mechanical Services).

Visit [www.theservicetradescollege.com.au](http://www.theservicetradescollege.com.au)  
or call **1300 222 727** for more info

[Click here to learn more about enrolment information](#)



## CPCPMS3034 – Install and Test Medical Gas Pipeline Systems

### Course overview

This course provides participants with the skills and knowledge to safely install and test medical gas pipelines for use within hospitals and other medical facilities. The accurate and safe installation of medical gas pipeline systems is critical to patient safety and preventing life threatening situations.

Participants will learn the requirements for the installation of medical gas pipelines in relation to the Australian Standards (AS) 2896-2021 by taking part in practical fabrication activities and pipework installation exercises simulating real life examples.

### Entry requirements

Participants are required to:

- Be able to fabricate non-ferrous metal pipelines (eg. copper) and silver solder pipelines to industry standard. A practical refresher program is available and recommended to be completed prior to commencing the course if the participant skills are not current with industry best practice and standard
- Complete any pre-reading that is supplied on enrolment
- Be registered or licensed in plumbing or undertaking an apprenticeship in plumbing

### Prerequisites

CPCPCM2043 – Carry out WHS requirements is a prerequisite to this course. Students will be enrolled in both units unless they have previously successfully completed the pre-requisite unit and provide a verified Statement of Attainment to confirm.

### Duration and delivery mode

Three consecutive days.

### Course outcomes

On successful completion of this course participants will be able to:

- Check configuration of medical gas pipeline systems for compliance with plans or specifications, standards and authorities' requirements
- Measure, locate, set out and install medical gas pipelines and terminal units to Australian Standard including brazing techniques
- Test medical gas pipeline systems to comply with the job specification, regulatory authorities' requirements, standards and Codes of Practice, and details recorded in the format required
- Apply safety and quality assurance requirements and demonstrate effective work methods relevant to medical gas pipeline installations.

### Recognition

Students who satisfactorily complete all course requirements will be eligible to receive a Statement of Attainment issued by STC Australia (RTO 31239), which is recognised nationally under the Australian Qualifications Framework.

[Click here to learn more about enrolment information](#)



# Fire protection courses

**RTO: 22101 Fire Industry Training**



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<b>11002NAT Certificate IV in Fire Systems Compliance</b>	15

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<b>Course provider:</b> Fire Industry Training (RTO: 22101)	<b>How to apply:</b> T: 1300 222 727 E: <a href="mailto:qldadmin@fit.edu.au">qldadmin@fit.edu.au</a>	<b>Location:</b> PICAC Beenleigh
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## CPP20521 Certificate II in Fire Protection - Inspection and Testing

### Course overview

Fire Industry Training (FiT) offers this qualification for individuals who are already working in the Fire Protection Industry and are wanting to obtain state specific Fire Protection licenses. The training is customised to assist in students' eligibility to apply for the variety of licences (Queensland specific) and in addition to improve their employability.

### Prerequisites

To enter this course an applicant must be able to demonstrate they hold current industry knowledge, which FiT defines as at least 6-months of consistent relevant work. Throughout the enrolment process the applicant must provide evidence to demonstrate experience within relevant work activities, including:

- Copy of the relevant job description and pay slips to validate the job description
- Written support from their employer
- Signed copy of their current resume or CV
- Certified copies of other relevant formal and informal training certificates or statements of learning.

It is recommended that students are able to demonstrate Language, Literacy and Numeracy skills equivalent to Level 3 of the Australian Core Skills Framework (ACSF).

### Course Delivery

The Qualification is delivered through a variety of streams based on licence outcomes. Regardless of the stream, the qualification is generally completed in approximately 6-months, with all student completing Block 1 – Core Units and then finally completing the Elective Units that are relevant to the chosen enrolment.

Students will be required to complete online learning activities, all the time supported by a qualified Trainer. Once all the learning requirements have been achieved and the student is ready for assessment, a 10 day Assessment Block is booked.

### Recognition

On successful completion of CPP20511 Certificate II in Fire Protection Inspection & Testing, students will be awarded a Qualification. A Statement of Attainment will be issued to students who partially complete the Certificate.

[Click here to learn more about enrolment information](#)



## CPC32820 Certificate III in Fire Protection (Apprenticeship pathway)

### Course overview

Fire Industry Training (FiT) offers this qualification exclusively as an apprenticeship to registered Sprinkler Fitting Apprentices. Our CPC32813 Certificate III in Fire Protection - Apprenticeship Pathway program covers the knowledge required in all aspects of installation and maintenance of fire protection systems in both domestic and commercial buildings.

### Entry requirements

You must be employed and registered as an Apprentice Sprinkler Fitter prior to commencing this qualification with FiT. There are no additional formal course entry requirements or pre-requisites but apprentices without Construction Induction Card will be expected to attain it.

It is recommended that students are able to demonstrate Language, Literacy and Numeracy skills equivalent to Level 3 of the Australian Core Skills Framework (ACSF).

Students will be expected to have access to:

- Computer
- Internet
- National Construction Code
- Australian Fire Standards

### Duration and structure

The apprenticeship has a nominal completion of four years. FiT delivers the qualification (according to an agreed Training Plan) over three years of Trade School attendance. The schooling is face-to-face, part-time, with regular attendance blocks and is supported by integrated eLearning.

### Recognition of prior learning and credit transfer

Students with relevant industry experience or who hold one or more units of competency delivered by FiT in this qualification and who can demonstrate experience within the last two years, are encouraged to discuss the matter with FiT.

### Recognition

On successful completion of CPC32813 Certificate III in Fire Protection - Apprenticeship Pathway, students will be awarded a qualification. A Statement of Attainment will be issued to students who partially complete the Certificate.

[Click here to learn more about enrolment information](#)



## UEE31020 Certificate III in Fire Protection Control

### Course overview

Fire Industry Training (FiT) offers this qualification exclusively as an apprenticeship. Our UEE31011 Certificate III in Fire Protection Control has been developed in conjunction with industry practitioners and FiT Trainers and Assessors, it covers the knowledge and skills required to become a qualified Fire Technician.

For Queensland apprentices, this training program also includes an extra unit of competency (UEERL001) enabling our Fire Technicians eligibility to apply for a Restricted Electrical Work Licence (Fire protection and control systems)

On the successful completion of this apprenticeship pathway, students receive the Qualification UEE31011 Certificate III in Fire Protection Control, and QLD apprentices also a Statement of Attainment UEERL0001.

### Entry requirements

To enter this course a person must be employed as a Fire Technician Apprentice.

The employer determines the minimum educational standard of the student through the recruitment process. FiT will assess a student for LLN before classes start and provide educational support and referral to a student as required.

### Duration and structure

The Electrotechnology Industry affirms that training and assessment leading to recognition of skills must be undertaken in a real or very closely simulated workplace environment and this qualification requires all units of competency to be delivered in this context. Further the Electrotechnology Industry has expressed a preference for profiling as a form of assessment activity.

FiT's delivery schedule has been developed in conjunction with industry with the units delivered in an order that reflect real industry outcomes and processes. Units will be delivered and assessed as stand-alone units with no clustering arrangements. The delivery schedule sequencing allows for knowledge and skills already obtained from previous units to be accounted and allowed for in following units.

FiT delivers this learning program (according to an agreed Training Plan) over 3-years of Trade School attendance.

When not attending structured training at FiT, the student will be working as an apprentice for their host employer (on the job training, recorded though Ready Skills).

[Click here to learn more about enrolment information](#)



## 11002NAT Certificate IV in Fire Systems Compliance

### Course overview

Fire Industry Training (FIT) offers this qualification that allow Fire Protection workers to be able to certify fire protection systems.

It will provide participants with a range of knowledge and skills to:

- undertake a visual inspection of a fire protection system, and detect any altered, damaged, or compromised aspects within the system
- determine the fire protection system's compliance with Australian and international standards, Building Code of Australia requirements and manufacturer's specifications
- provide a report (including a certificate) which states the compliance or non-compliance of fire protection systems.

### Entry requirements

To enter this course an applicant must be able to demonstrate they hold current industry knowledge, which FIT defines as at minimum 2 years' experience as a licensed Fire Protection tradesperson within the stream they are looking to enrol into.

Throughout the enrolment process the applicant must provide evidence to demonstrate experience within relevant work activities, including:

- Copy of the relevant job description and pay slips to validate the job description
- Written support from their employer
- Signed copy of their current resume or CV
- Examples of work
- Certified copies of other relevant formal and informal training certificates or statements of learning.
- 

To complete training applicants will also need access to:

- a suitable workplace to undertake research activities and work-based projects
- a licensed supervisor in the stream you are looking to attain
- relevant Australian Standards, Codes & Legislations.

It is recommended that students can demonstrate Language, Literacy and Numeracy skills equivalent to Level 3 of the Australian Core Skills Framework (ACSF).

### Duration and structure

The range of hours are dependent on the stream chosen. It is expected participants will be required to engage in learning from six months to two years.

Students will be required to complete workplace-based projects, online learning activities and attend web-based classroom sessions, all the time supported by a qualified Trainer.

Once all learning requirements have been achieved the student will be required to complete the associated assessment tools.

The course is divided into Streams of training:

- Fire Detection Systems
- Fire Fighting Appliances
- Special Hazards
- Passive Fire Equipment
- Hydrants, Hose Reels, Sprinklers & Pumpsets.

[Click here to learn more about enrolment information](#)



# Post trade training

Fire Industry Training (FiT) offers a collection of single units of competency for individuals who are already working in the Fire Protection Industry and are wanting to obtain state specific Fire Protection licenses.

The training is customised to assist in students' eligibility to apply for the variety of licences and in addition to improve their employability.

## DURATION & STRUCTURE

Fire Industry Training (FiT) delivers this course through distance learning using a combination of blended learning, workplace-based learning and submission of project work for assessment. Students have 6 months from the commencement date to complete a single unit of competency.

## UNITS OF COMPETENCY

The units we have on offer include:

Unit code	Unit name
BSBESB401	Research and develop business plans
BSBESB402	Establish legal and risk management requirements of new business ventures
BSBESB403	Plan finances for new business ventures
CPCBC4012	Read and interpret plans and specifications
CPCPCM3024	Prepare simple drawings
CPCPCM4011	Carry out work-based risk control processes
CPCPCM4012	Estimate and cost work
CPCPCM4015	Access and interpret regulatory requirements for the plumbing & services industry
CPCPFS4022	Commission and maintain special hazard fire suppression systems
CPPFES2039	Identify, inspect and test passive fire and smoke containment products & systems



## Post trade training (Cont.)

### ENTRY REQUIREMENTS

There may be pre-request requirements for individual units of competency, please refer to the direction provided by the FiT team through the enrolment process.

For all training you will be expected to have access to:

- Computer (desktop or laptop with internet, webcam & microphone)
- Zoom (video conferencing app)
- National Construction Code of Australia
- Australian Standards.

It is recommended that students are able to demonstrate Language, Literacy and Numeracy skills equivalent to Level 3 of the Australian Core Skills Framework (ACSF).

### RECOGNITION OF PRIOR LEARNING & CREDIT TRANSFER

FiT offer Recognised Prior Learning (RPL), students with relevant industry experience or who can demonstrate experience within the last, are encouraged to discuss the matter with FiT.

### QUALIFICATION & STATEMENT

On successful completion of a unit of competency, students will be awarded a Statement of Attainment.

### PATHWAYS & CAREER OPPORTUNITIES

Graduates may be eligible to apply for state specific Fire Protection licenses. Check with QBCC ([www.qbcc.qld.gov.au](http://www.qbcc.qld.gov.au))

[Click here to learn more about enrolment information](#)

# Plant & equipment and safety courses

**RTO: 4612 CEPUTEC**



**Course provider:**  
CEPUTEC (RTO: 4612)

**How to apply:**  
T: 1300 222 727  
E: [qldtraining@ceputec.edu.au](mailto:qldtraining@ceputec.edu.au)

**Location:**  
PICAC Beenleigh, QLD

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## RTO: 30473 Master Plumbers' Association of Queensland



Master Plumbers' Association of Queensland

**Course provider:**  
Master Plumbers' Association of Queensland (MPAQ) - RTO 30473

**How to apply:**  
T: 1300 222 727  
E: [training@mpaq.com.au](mailto:training@mpaq.com.au)

**Location:**  
Plumbing Industry House, Acacia Ridge or other

PLANT & EQUIPMENT	
<b>MSMSS00019 Operate a drain cleaning system (Skill set)</b>	26



## HLTAID009 Provide cardiopulmonary resuscitation

## HLTAID011 First aid

### Course overview

This course introduces learners to the theory and the practical skills required to perform CPR in line with the Australian Resuscitation Council (ARC) guidelines. During the course, you will also learn first aid procedures for several conditions such as allergic reactions, burns, cardiac arrest, choking, fractures, poisoning and shock.

This is a nationally accredited qualification that is recognised in all states and territories of Australia.

### Learning outcomes

Students who complete this qualification will gain the skills and knowledge to:

- Assess the environment where CPR may need to be performed
- Apply the DRSABCD concept
- Understand basic anatomy and physiology related to performing CPR procedures for performing CPR on adults and children
- Understand and apply infection control procedures
- Apply first aid procedures for a range of different conditions
- Use arm slings, roller bandages or other immobilisation techniques
- Respond to emergency situations

### Course delivery

This course is delivered in person (face to face). The location is at PICAC Beenleigh or at a specified work location which will be confirmed in the confirmation email.

### Course duration

Two days (16 hours)

### Re-accreditation

The HLTAID011 - Provide first aid certification remains current for three years, at which time you should redo the course to ensure that your knowledge and skills remain current. The Australian Resuscitation Council recommends refreshing CPR skills (HLTAID009 - Provide cardiopulmonary resuscitation) annually.

### Recognition

Students who satisfactorily complete all course requirements will be eligible to receive a Statement of Attainment issued by CEPUTEC (RTO 4612), which is recognised nationally under the Australian Qualifications Framework.

### Upcoming course dates:

[Click here to explore upcoming course dates and enrol online](#)



## RIIWHS202E Enter and work in confined spaces

### Course overview

RIIWHS202E – Enter and work in confined spaces prepares learners to assess risk and develop safe working methods for working in confined spaces. This training is suitable for those working in operational roles, who may be in situations where they need to enter and exit confined spaces and carry out work while in the space.

This is a nationally accredited qualification that is recognised in all states and territories of Australia.

### Learning outcomes

Students who complete this qualification will gain the skills and knowledge to:

- Understand and apply safe work methods
- Understand the effects of irrespirable (unbreathable) environments on the body and the need for appropriate personal protective equipment (PPE)
- Monitor and adhere to the allocated entry time
- Select appropriate rescue equipment for emergencies
- Tag and lock out
- Enter and work in a confined space
- Conduct operational maintenance of equipment

### Entry requirements

Participants are required to:

- Wear appropriate PPE: Safety boots, hi-vis shirt/ vest

- Learners can bring their own harness or breathing apparatus if preferred

### Prerequisites and/or Recognition of Prior Learning (RPL)

There are no formal prerequisites for this course, however a solid understanding of workplace health and safety is essential and it is recommended that the learner has completed HLTAID009 Provide Cardiopulmonary Resuscitation (CPR).

No RPL can be applied to this course.

### Course delivery

This course contains both theory and practical components. The location is either at PICAC Beenleigh or at a specified work location which will be confirmed by email.

### Course duration

Two days (16 hours)

### Recognition

Students who satisfactorily complete all course requirements will be eligible to receive a Statement of Attainment issued by CEPUTEC (RTO 4612), which is recognised nationally under the Australian Qualifications Framework.

### Upcoming course dates:

[Click here to explore upcoming course dates and enrol online](#)



## RIIWHS204E Work safely at heights

### Course overview

RIIWHS204E – Work safely at heights prepares learners to assess risk and develop safe work methods for working at height. You will learn about current work health and safety (WHS) legislation and how to apply it. This course focuses on preventing situations that may lead to a fall and is particularly focused on common situations found in the construction industry. Training will cover risk assessment, selection and correct use of equipment, rigging and of anchor systems, fall restraint, work positioning, and fall arrest systems.

This is a nationally accredited qualification that is recognised in all states and territories of Australia.

### Learning outcomes

Students who complete this qualification will gain the skills and knowledge to:

- Assess risk
- Select and correctly use equipment including rigging and anchor systems
- Select optimal positioning to reduce likelihood of falls
- Restrain falls with equipment or understand how to restrain falls
- Correctly set up fall arrest systems

### Entry requirements

Participants are required to:

- Bring photo ID on the day of training
- Wear appropriate PPE: Safety boots, hi-vis shirt/ vest. Long pants are recommended
- Learners can bring their own harness if preferred

### Course delivery

This course contains both theory and practical components. The location is either at PICAC Beenleigh or at a specified work location which will be confirmed by email.

### Course duration

One day (8 hours)

### Recognition

Students who satisfactorily complete all course requirements will be eligible to receive a Statement of Attainment issued by CEPUTEC (RTO 4612), which is recognised nationally under the Australian Qualifications Framework.

### Upcoming course dates:

[Click here to explore upcoming course dates and enrol online](#)



## RIIHAN301E Operate Elevating Work Platform

### Course overview

This course prepares learners to safely operate and conduct work activities from an elevating work platform (EWP). You will learn how to safely operate a scissor lift, vertical lift and boom lift under 11 metres. Note, these EWPs are not classified as requiring a high-risk work (HRW) licence.

This is a nationally accredited qualification that is recognised in all states and territories of Australia.

### Learning outcomes

Students who complete this qualification will gain the skills and knowledge to:

- Select and use the appropriate plant, tools and equipment
- Choose and prepare a suitably firm and level standing for location of the EWP
- Prepare for operating an EWP including inspecting and testing the unit
- Position, stabilise and set-up the EWP including use of outrigger/stabilisers and packing
- Understand how to respond to alarms
- Follow emergency and hazard procedures
- Operate an EWP including lifting and elevating using hand-eye coordination
- Coordinate and communicate with others
- Correctly select safety devices and ensure safety of the site and personnel

### Entry requirements

Participants are required to:

- Bring photo ID on the day of training
- Wear appropriate PPE: Safety boots, hi-vis shirt/vest and hard hat.

### Course structure

This course contains both theory and practical components. The location is either at PICAC Beenleigh or at a specified work location which will be confirmed by email.

### Course duration

One day (8 hours)

### Recognition

Learners who satisfactorily complete all course requirements will be eligible to receive a Statement of Attainment issued by CEPUTEC (RTO 4612), which is recognised nationally under the Australian Qualifications Framework.

**NOTE:** Completion of this course will not result in being issued a high-risk work (HRW) licence. The HRW licence applies to operating elevating work platforms with a boom length of 11 metres or more.

### Upcoming course dates:

[Click here to explore upcoming course dates and enrol online](#)



## PMBWELD301 Butt weld polyethylene plastic pipelines PMBWELD302 Electrofusion weld polyethylene pipelines

### Course overview

This course teaches learners how to weld polyethylene (PE) plastic pipes and pipeline components safely and effectively to quality assurance requirements whilst maintaining personal and site safety.

Butt welding is a basic welding technique that joins two pieces of material together along a single edge. Poly butt refers to the technique being used for PE. Electrofusion welding is commonly used to join PE pipes or PE and polypropylene (PP) pipes.

Electrofusion welding is known for its consistency and ability to create strong joints; therefore, it is commonly used for the construction and repair of gas-carrying pipelines.

This is a nationally accredited qualification that is recognised in all states and territories of Australia.

### Learning outcomes

Students who complete this qualification will gain the skills and knowledge to:

- Identify materials as compatible for welding
- Calculate appropriate welding parameters to be used
- Maintain and calibrate welding equipment
- Perform welding to the required standard
- Assess the quality of welded joints

### Entry requirements

Participants are required to:

- Read the learner guide and complete the review prior to attending the course. The learner guide will be provided upon enrolment
- Bring photo ID on the day of training
- Wear appropriate PPE: Safety boots, hi-vis shirt/vest, safety glasses.

### Course structure

This course contains both theory and practical components. The location is either at PICAC Beenleigh or at a specified work location which will be confirmed by email.

### Course duration

One day (8 hours)

### Recognition

Learners who satisfactorily complete all course requirements will be eligible to receive a Statement of Attainment issued by CEPUTEC (RTO 4612), which is recognised nationally under the Australian Qualifications Framework.

### Upcoming course dates:

[Click here to explore upcoming course dates and enrol online](#)

## Health and Safety Representatives (HSR) Training

### Course overview

This WorkSafe approved training course provides HSRs and deputy HSRs (DHSR) with the knowledge, skills, and confidence to exercise their powers for the purpose of representing members of their designated work group (DWG) and help make their workplace safer.

All HSRs must undertake WorkSafe Queensland approved training within three months of their election.

HSR's and deputy HSR's can ask a person conducting a business or undertaking (PCBU) to attend approved courses. The PCBU must give HSRs paid time off to attend a course and pay the course costs and reasonable expenses, within three months of the request.

A HSR can only issue a provisional improvement notice (PIN) if they have attended an approved training course. Training courses are approved under section 21 of the Work Health and Safety Regulation 2011.

CEPUTEC (RTO 4612) is an approved HSR training provider.

### Learning outcomes

Students who complete this qualification will gain the skills and knowledge to:

- Interpret the occupational health and safety legislative framework and its relationship to the HSR

- Identify key parties and their legislative obligations and duties
- Establish representation in the workplace
- Participate in consultation and issue resolution
- Represent designated work group members in any OHS risk management process undertaken by the appropriate duty holder
- Issue a provisional improvement notice (PIN) and direct the cessation of work

### Entry requirements

There are no specific entry requirements or prerequisites for this course. Although the course is designed for HSRs, managers, supervisors, health and safety committee members and anyone with an interest in health and safety could also benefit from attending an HSR training course.

### Course delivery

Course is delivered face to face at PICAC Beenleigh in both classroom and practical settings. All learning materials will be supplied by CEPUTEC.

### Course duration

The course is delivered each Tuesday for five weeks, making up 35 contact hours.

### Recognition

Following participation in all five days of training, participants will be eligible to receive a Statement of Attendance.

### Upcoming course dates:

[Click here to explore upcoming course dates and enrol online](#)



## Health and Safety Representatives (HSR) Refresher

### Course overview

This WorkSafe approved refresher course provides an opportunity for those who have previously completed the HSR Initial OHS Training Course to refresh their knowledge of the identification and assessment of common workplace hazards. The course will also provide HSRs with any important updates to the Work Health and Safety Regulation.

All elected HSRs and Deputy HSRs after completing an initial course of training, have an entitlement (for each year they hold office) to attend Refresher training annually.

### Learning outcomes

The learning objectives of the course is to provide information that could include:

- A general update on legislation
- Risk management specific to an industry or hazards
- HSR entitlements and powers
- HSR skills development

### Entry requirements

Participants must have previously completed the HSR Initial Training Course.

### Course delivery

Course is delivered face to face at PICAC Beenleigh in both classroom and practical settings or at a specified work location which will be confirmed prior to course commencement.

### Course duration

The course is delivered over 7 hours, or one full day of training.

### Recognition

Participants will be eligible to receive a Statement of Attendance from CEPUTEC.

**Upcoming course dates:**

[Click here to explore upcoming course dates and enrol online](#)



## MSMSS00019 Operate a drain cleaning system (Skill set)

### Course overview

This 2-day nationally recognised course is designed for persons who operate drain-cleaning equipment. The MSMSS00019 Operate a Drain Cleaning System Skill Set delivers specialised training for workers aiming to gain an understanding of industrial drain cleaning operations.

The program covers elements such as worksite management, adherence to safe work practices, compliance with relevant industry standards, and the application of emergency and rescue procedures.

Safety is emphasised as the foundation of this training, ensuring participants acquire the knowledge and skills to effectively manage and supervise drain cleaning operations. The course prepares operators to identify and mitigate risks, safeguard themselves, protect surrounding properties, and prioritise public safety. This skill set demonstrates the competencies required to operate a drain cleaning system safely, efficiently and independently, while fostering a strong culture of workplace safety and operational excellence

Additionally, the course aligns with the requirements of AS 4233.1:2013 High-Pressure Water Jetting Systems – Safe Operation and Maintenance and the Safe Work Australia Guide for Managing Risks from High-Pressure Water Jetting, ensuring adherence to nationally recognised safety standards.

### Units of competency under the skill set are:

- MSMWHS110 Follow emergency response procedures
- MSMWJ305 Operate a drain cleaning system
- MSMWHS200 Work safely
- MSMPER200 Work in accordance with an issued permit

### Course delivery

This course is delivered over 16 hours (generally two consecutive eight-hour days) face to face in a

classroom setting. This course requires a theoretical assessment and a practical assessment be completed on site while supervised by the MPAQ trainer. Each participant will be responsible for the following PPE requirements: long pants, long sleeve shirt, and steel cap boots. MPAQ will provide industrial gloves, and eye, face, and head protection PPE

### Course outcomes

On successful completion of this course learners will be able to:

- Prepare and set up a drain cleaning unit safely.
- Identify hazards in drain cleaning environment and implement controls.
- Identify and select correct nozzles and tools for various applications in both sewer, stormwater and pipe applications.
- Identify nozzle behaviours.
- Best practice techniques used for drain cleaning and combination units.
- Plan and safely carry out drain cleaning works.
- Diagnose faults and troubleshoot issues with units.
- Understand basic concepts of pipe flows in sewer, stormwater and pipework.
- Maintenance of units and drain cleaning equipment.
- Incident reporting and investigation

### Recognition

On successful completion of this course, learners will be issued with a nationally recognised Statement of Attainment.

Note that refresher training or verification of competency must be completed within two years of completion of this course. (Reference: Standards Australia AS/NZS 4233.1-2013)

**Upcoming course dates:**  
Click here to explore upcoming course dates and enrolment information

# Plumbing and gas courses



## RTO: 30473 Master Plumbers' Association of Queensland

### REQUIREMENT FOR ENDORSEMENT ON PLUMBERS LICENCE

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#### Course provider:

Master Plumbers' Association  
of Queensland (MPAQ) - RTO  
30473

#### How to apply:

T: 1300 222 727  
E: training@mpaq.com.au

#### Location:

Plumbing Industry House,  
Acacia Ridge or other



## CPCPWT4022 Commission and maintain backflow prevention devices

### Course overview

This is an accredited three day course required for all plumbers' who wish to obtain a backflow endorsement with the Queensland Building and Construction Commission (QBCC).

This unit focuses on the skills and knowledge required to test, commission and maintain backflow prevention devices in water services.

Assessments for this course are conducted in both a practical and theoretical setting.

### Prerequisites

There are prerequisites for this course:

- CPCPCM2043 Carry out WHS requirements
- CPCPWT3027 Install backflow prevention devices
- CPCPCM3023 Fabricate and install non-ferrous pressure piping

If you have completed these units in your prior studies, you must send an academic transcript to the Training Services team along with your enrolment form. If you haven't completed these units, the Training Services team will be able to provide you with options on how you can complete these units prior to attending the class for CPCPWT4022 Commission and maintain backflow prevention devices.

Please note, you will not be able to enrol in the prerequisite units if it is less than 1 week prior to this course. For further information, please contact the Training Services Team on 07 3273 0800.

### Course delivery

This course is delivered over 24 hours (generally three consecutive eight-hour days), face to face in a classroom setting.

This course requires a knowledge and a practical assessment to be completed on site while supervised by the MPAQ trainer.

### Course outcomes

On successful completion of this course learners will be able to:

- Identify sources and gather information relevant to testing, commissioning and maintenance of backflow prevention devices
- Apply safety and quality assurance requirements and demonstrate effective work methods relevant to testing, commissioning and maintenance of backflow prevention devices
- Test, commission and undertake maintenance of high, medium and low hazard backflow prevention devices in water services
- Identify and complete all relevant documentation relevant to testing, commissioning and maintenance of backflow prevention devices

### Recognition

On successful completion of this course learners will be issued with a Nationally Recognised Statement of Attainment.

**Upcoming course dates:**  
Click here to explore upcoming course dates and enrolment information



## Backflow Revalidation (Online)

### Course overview

This is a QBCC approved online course required for all plumbers who need to renew the backflow endorsement on their plumbing licence. If a plumber or provisional plumber has previously held a backflow prevention endorsement, the Backflow Prevention Revalidation course completed within the last five (5) years.

The course covers a review of the current relevant legislation relating to backflow procedures and practices. Specifically, it covers the competency required to test, commission, and maintain backflow prevention devices. It covers preparation for the work, the identification of testing and commissioning requirements, the physical testing and commissioning of devices, the maintenance of devices, and the completion of work finalisation processes.

To complete the backflow revalidation course, participants will be required to complete a self-paced online assessment and submit seven (7) previous test reports, tested to the current standard.

*PLEASE NOTE: A webcam is required to participate in the course and action its content. The program used for this online training program runs best on a non-Apple device. Please use Chrome as your internet browser where possible.*

### Prerequisites

The revalidation is only available for plumbers who currently hold the backflow endorsement on their plumber's licence. The backflow endorsement is required to be revalidated prior to its expiry date; however, it can be completed by licensees within 12 months after the expiry date as listed on their licence.

### Course delivery

This course is delivered online and is self-paced. Students will be given 1 month to complete the course.

### Course outcomes

On successful completion of this course learners will be able to:

- Renew the Backflow Prevention endorsement on their plumber's licence

### Recognition

As this course is QBCC approved, upon successful completion learners will be issued with a Certificate of Completion. The certificate must be presented to the QBCC to have the endorsement renewed on your licence.

**Upcoming course dates:**  
Click here to explore upcoming course  
dates and enrolment information



## CPCPWT4023 Commission and maintain hot and heated water temperature control devices

### Course overview

This is an accredited one-day course required for all plumbers who wish to obtain a TMV endorsement with the Queensland Building and Construction Commission (QBCC).

This unit focuses on the skills and knowledge required to test, commission, and maintain heated water temperature control devices, including thermostatic mixing valves in water services. It encompasses preparing for work, identifying testing and commissioning requirements, conducting physical testing and commissioning of devices, performing maintenance, and completing final work processes.

Assessments for this course are conducted online and in a practical setting.

### Prerequisites

There are prerequisites for this course:

- CPCPCM2043 Carry out WHS requirements
- CPCPWT3022 Install and commission water heating systems and adjust controls and devices

If you have completed these units in your prior studies, you must send an academic transcript to the Training Services team along with your enrolment form. If you haven't completed these units, the Training Services team will be able to provide you with options on how you can complete these units prior to attending the class for CPCPWT4023 Commission and maintain hot and heated water temperature control devices.

Please note, you will not be able to enrol in the prerequisite units if it is less than 1 week prior to this course. For further information, please contact the Training Services Team on 07 3273 0800.

### Course delivery

This course is delivered over 16 hours, one 8-hour day face to face in a classroom setting with additional online course work that must be completed no later than two weeks after the classroom delivery. This course requires a theoretical assessment to be completed online and a practical assessment to be completed on-site while supervised by the MPAQ trainer.

### Course outcomes

On successful completion of this course learners will be able to:

- identify sources and gather information relevant to testing, commissioning, and maintenance of hot water temperature control devices;
- apply safety and quality assurance requirements and demonstrate effective work methods relevant to testing, commissioning, and maintenance of hot water temperature control devices;
- test, commission, and undertake maintenance of hot water temperature control devices, including thermostatic mixing valves in water services; and
- identify and complete all relevant documentation relevant to testing, commissioning, and maintenance of hot water temperature control devices.

### Recognition

On successful completion of this course learners will be issued with a Nationally Recognised Statement of Attainment.

**Upcoming course dates:**  
Click here to explore upcoming course dates and enrolment information



## Course in Evaluating and Planning the Installation of Solar and Heat Pump Water Systems

### Course overview

This is a QBCC approved online course required for all plumbers who wish to gain an endorsement on their plumbing licence to install, maintain, repair, replace and test solar and heat pump water heating systems.

### Course delivery

This course is delivered online and is self-paced. Students will be given one month to complete the course.

*PLEASE NOTE: A webcam is required to participate in the course and action its content. The program used for this online training program runs best on a non-Apple device. Please use Chrome as your internet browser where possible.*

### Course outcomes

On successful completion of this course, learners will be able to install, maintain, repair, replace and test solar and heat pump water heating systems.

### Recognition

As this course is non-accredited, on successful completion learners will be issued with a Statement of Completion. The certificate must be presented to the QBCC to have the endorsement added to your licence.

**Upcoming course dates:**  
Click here to explore upcoming course dates and enrolment information



## CPCPGS4022 Service Type A gas appliances

### Course overview

This is an accredited five-day course that is one of the four Certificate IV units required to transition from an interim gas licence to a full gas licence in Queensland.

This course offers comprehensive training on current legislation and best practices for working with Type A gas appliances, combining classroom instruction with practical, hands-on learning.

Participants will gain the skills and knowledge necessary to:

- Diagnose and repair faults in domestic and commercial Type A gas appliances
- Perform servicing and commissioning tasks
- Conduct leak testing procedures
- Test and commission appliances in workplace settings

The course ensures participants are equipped to work safely, efficiently, and in full compliance with industry standards.

### Prerequisites

There are prerequisites for this course:

- CPCPCM2043 Carry out WHS requirements
- CPCPGS3053 Disconnect and reconnect Type A gas appliances

If you have completed these units in your prior studies, you must send an academic transcript to the Training Services Team along with your enrolment form. If you haven't completed these units, the Training Services Team will be able to provide you with options for how you can complete these units prior to attending the class for CPCPGS4022 Service Type A gas appliances.

Students wishing to transition from an interim gas licence to a full gas licence in Queensland are required to complete four of the Certificate IV competencies while their interim gas licence is still valid. You must have completed the Certificate III in Plumbing or Certificate III in Gas Fitting. Must hold an Interim Gas Licence issued by the Resources, Safety and Health Queensland.

For further information about licensing, please contact the Resources, Safety and Health Queensland office directly.

### Course delivery

This course is delivered over 40 hours (generally five consecutive eight-hour days) face to face in a classroom setting.

This course requires a theoretical assessment and a practical assessment be completed on site while supervised by the MPAQ trainer.

### Course outcomes

On successful completion of this course learners will be able to:

- Apply safety and quality assurance requirements and demonstrate effective work methods relevant to Type A gas appliances;
- Disassemble and assemble Type A gas appliances;
- Diagnose and remedy electrical and electronic circuitry faults;
- Diagnose and remedy gas system faults on Type A gas appliances;
- Convert Type A gas appliances to another gas type; and
- Identify and complete all relevant documentation.

### Recognition

On successful completion of this course learners will be issued with a Nationally Recognised Statement of Attainment.

**Upcoming course dates:**  
Click here to explore upcoming course dates and enrolment information



## CPCPGS4011 Design and size consumer gas installations

### Course overview

This is an accredited three-day course that is one of the four Certificate IV units required to transition from an interim gas licence to a full gas licence in Queensland.

This unit focuses on developing the skills and knowledge required to design and size consumer gas installations, including consumer piping, flueing, and ventilation systems. Key learning outcomes include:

- Preparing effectively for gas installation design tasks
- Determining specific gas installation requirements
- Creating detailed plans and layouts for systems
- Completing the design process in line with industry standards

This unit ensures participants are equipped to deliver safe, efficient, and compliant gas installation designs.

Assessments for this course are conducted in both a practical and theoretical setting.

### Prerequisites

There are no prerequisites for this course apart from if you are completing this course to transition from an interim gas licence to a full gas licence.

Students wishing to transition from an interim gas licence to a full gas licence in Queensland are required to complete four of the Certificate IV competencies while their interim gas licence is still valid.

You must have completed the Certificate III in Plumbing or Certificate III in Gas Fitting.

Must hold an Interim Gas Licence issued by the Resources, Safety and Health Queensland.

For further information about licensing, please contact the Resources, Safety and Health Queensland office directly.

### Course delivery

This course is delivered over 24 hours (generally three consecutive eight-hour days), face to face in a classroom setting.

This course requires a theoretical assessment and a practical assessment be completed on site while supervised by the MPAQ trainer.

### Course outcomes

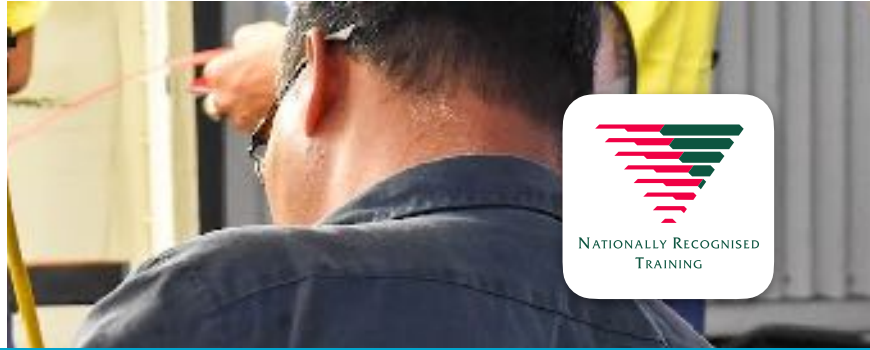
On successful completion of this course learners will be able to:

- Prepare for design work
- Identify system requirements for consumer gas installations
- Plan and design the system layout for various consumer gas installations
- Apply relevant safety, quality assurance and sustainability requirements
- Identify and complete all relevant documentation.

### Recognition

On successful completion of this course learners will be issued with a Nationally Recognised Statement of Attainment.

**Upcoming course dates:**  
Click here to explore upcoming course dates and enrolment information



## CPCPCM4012 Estimate and cost work

### Course overview

This is an accredited two-day course that is one of the four Certificate IV units required to transition from an interim gas licence to a full gas licence in Queensland.

This course provides comprehensive training on current legislation and practices related to estimating and costing for work, with a focus on classroom-based learning. It equips participants with the skills and knowledge required to accurately estimate materials, labour, and time requirements, as well as establish costs for delivering services or products. Key topics covered include:

- Gathering relevant information
- Estimating materials and time needed for tasks
- Calculating costs accurately
- Preparing and managing associated documentation

This unit is specifically designed to develop the expertise needed to create detailed quotations for services provided to Class 1 buildings, ensuring compliance with industry standards and best practices.

Assessments for this course are conducted in both a practical and theoretical setting.

### Prerequisites

There are no prerequisites for this course apart from if you are completing this course to transition from an interim gas licence to a full gas licence. See the information below:

Students wishing to transition from an interim gas licence to a full gas licence in Queensland are required to complete four of the Certificate IV competencies while their interim gas licence is still valid.

You must have completed the Certificate III in Plumbing or Certificate III in Gas Fitting. Must hold an Interim Gas Licence issued by the Resources, Safety and Health Queensland.

For further information about licensing, please contact the Resources, Safety and Health Queensland office directly.

### Course delivery

This course is delivered over 16 hours (generally 2 consecutive 8-hour days) face to face in a classroom setting.

This course requires a theoretical assignment to be completed externally and submitted to your trainer within two (2) weeks of completing your face to face component.

### Course outcomes

On successful completion of this course learners will be able to:

- Identify sources and gather information relevant to estimating and costing plumbing services
- Calculate materials, labour and time requirements to complete plumbing work using information sourced from work site or provided drawings and specifications, including the use of proprietary estimating software
- Identify safety requirements relevant to plumbing work, its effect on work methods and cost of completing work
- Cost plumbing projects taking into account materials, labour, overhead costs, contingencies and required mark-up percentages
- Develop documentation relating to estimating, costing and presentation of tenders/quotation to client

### Recognition

On successful completion of this course learners will be issued with a Nationally Recognised Statement of Attainment.

**Upcoming course dates:**  
Click here to explore upcoming course dates and enrolment information



## CPCPCM4011 Carry out work-based risk control processes

### Course overview

This is an accredited two-day course that is one of the four Certificate IV units required to transition from an interim gas licence to a full gas licence in Queensland.

This unit focuses on the skills and knowledge required to implement work-based risk control processes. It encompasses:

- Identifying workplace hazards
- Assessing associated risks
- Recognising unacceptable risks
- Developing, preparing, and executing an appropriate course of action to mitigate risks

The unit ensures participants can effectively manage workplace safety and compliance through systematic risk control practices.

Assessments for this course are conducted in both a practical and theoretical classroom setting.

### Prerequisites

There are no prerequisites for this course apart from if you are completing this course to transition from an interim gas licence to a full gas licence. See the information below:

Students wishing to transition from an interim gas licence to a full gas licence in Queensland are required to complete four of the Certificate IV competencies while their interim gas licence is still valid.

You must have completed the Certificate III in Plumbing or Certificate III in Gas Fitting.  
Must hold an Interim Gas Licence issued by the Resources, Safety and Health Queensland.

For further information about licensing, please contact the Resources, Safety and Health Queensland office directly.

### Course Delivery

This course is delivered over 16 hours (generally 2 consecutive 8-hour days) face to face in a classroom setting.

This course requires a theoretical assessment and a practical assessment be completed on site while supervised by the MPAQ trainer.

### Course outcomes

On successful completion of this course learners will be able to:

- Analyse a worksite and existing safety system information to identify and classify unresolved hazards and their likely impact
- Apply the three steps of identifying work based hazards, assessing the risk and determining unacceptable risk situations
- Identify, analyse and develop a plan of action to control risk
- Complete documentation associated with work based risk control and ensure proper distribution, storage and review
- Apply planning to ensure identified controls are implemented and reviewed in a timely manner

### Recognition

On successful completion of this course learners will be issued with a Nationally Recognised Statement of Attainment.

**Upcoming course dates:**  
Click here to explore upcoming course dates and enrolment information

# PLUMBING INDUSTRY

CLIMATE ACTION CENTRE

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Tel: 1300 222 727  
[www.picac.edu.au](http://www.picac.edu.au)

