



CPC40920 – Certificate IV in Plumbing
and Services (Operations Stream)

2025 COURSE GUIDE



About this qualification

This is a nationally accredited qualification that meets the educational requirements of plumbers wanting to attain 'Certifier' licensing under the Occupational Licensing Act (2005).

Importantly, our training is contextualised for Tasmanian conditions and statutory requirements detailed within the Building Act 2016 and Plumbing Code of Australia.

As such you can be assured that training with TasTAFE will meet all requirements of the Tasmanian licensing regulator CBOS (Consumer, Building and Occupational Services).

Licensing information: [Licensing and Registration \(cbos.tas.gov.au\)](http://www.cbos.tas.gov.au)

The CPC40920 Certificate IV in Plumbing and Services – Operations Stream, is aimed solely at qualified plumbers who need to extend their operational trade knowledge and satisfy business licensing needs.

So that you choose the delivery model most suited to your circumstances you must first do the following:

- Familiarise yourself with Tasmanian Plumbing Licensing requirements through the CBOS website.
- Read this booklet in detail. Be aware that only brief licensing details are included here.

Plumbing licensing (Tas)

There are three main licence levels for Tasmanian plumbers:

1. Practitioner – having completed your Certificate III and apprenticeship, you must apply for a Practitioner licence within one calendar month in order to work without supervision. A 'practitioner' must be employed and cannot sign for or 'certify' work. NOTE: There is no Practitioner level for gas fitters. Only a Certifier can carry out gas work.
2. Certifier – a plumbing Practitioner who wants to 'certify' work and supervise other practitioners must complete the relevant units from this qualification and apply for the licence through CBOS. A Certifier may be employed but may also be self-employed (coupled with a contractor's licence)
3. Contractor – A contractor may be a Certifier or indeed may have no trade but, in this instance must employ a Certifier in the range of work undertaken

As a minimum, plumbing practitioners who wish to apply for 'Certifier' licensing must complete the following:

- Four Common License units
 - The unit/s required by CBOS in each stream that they wish to be licensed in*
- *Please refer to page 4 of this booklet.

Training linked to licensing

The full CPC40920 Certificate IV in Plumbing and Services (Operations) has a total of 15 units of competency:

- 10 x Core units
- 5 x Elective unit

To satisfy Tasmanian licensing requirements, TasTAFE Plumbing team provide training and assessment solutions through three specific delivery pathways.

Selected units for licensing

You will be required to complete all the streams listed below to ensure you meet the CBOS requirements for Certifier licensing:

For General Plumbing:

- 4 x Common units plus -
 - 3 x Water units (and Pre-requisite units as applicable)
 - 1 x Sanitary unit
 - 1 x Roof unit
 - 3 x Drainage units

For Mechanical Services Plumbing:

- 4 x Common units plus -
 - 3 x Water units (and Pre-requisite units as applicable)
 - 1 x Sanitary unit
 - 1 x Roof Unit
 - 3 x Drainage unit
 - 2 x Gas units (and Pre-requisite units as applicable)
 - 2 x Mech units (and Pre-requisite units as applicable)

Once these units are completed and the correct documentation is submitted to

CBOS you will be issued the Certifier Level License.

Roof plumbing and gas fitting - specialist licensing

If you are a specialist Roof Plumber or Gas Fitter, you are not eligible to complete the full CPC40920 Cert IV Plumbing and Services (Operations) as you have not attained competency in the other Cert III plumbing streams. As such your unit selections are restricted as follows:

- Roof Plumbing
 - 4 x Common units
 - 1 x Roof unit
- Gas Fitting
 - 4 x Common units
 - 2 x Gas units (and Pre-requisite units as applicable)

Having attained competency in these areas you may apply to CBOS for Certifier licensing.

Full Certificate IV

If you have completed a 5x stream plumbing apprenticeship (Sanitary, Drainage, Water, Roof, Gas) and having completed relevant CIV units in all streams, you would only need to do one extra unit to complete the full CPC40920 Certificate IV in Plumbing and Services.

If you completed a 4x stream apprenticeship you still can complete a full Cert IV pathway but talk to us first before making a decision.

Call our team to arrange a time for an interview to discuss your options.

Units needed for each license stream

There are specific units required for plumbing licence categories, and these have been agreed to by all State and Territory Governments.

The table on the next page shows the minimum unit requirements for licensing in Tasmania.

Units required for Certifier Licensing in Tasmania

General Plumbing

CBOS require that all license applicants must complete the following 4 Common Units:

Common

- CPCBC4012 Read and interpret plans and specifications
- CPCPCM4012 Estimate and cost work
- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry
- CPCPCM4011 Carry out work-based risk control processes

You will then require all the units below for General Plumbing Certifier Licensing:

Sanitary

- CPCPSN4011 *Design and size sanitary plumbing systems*

Drainage

- CPCPDR4011 *Design and size sanitary drainage systems*
- CPCPDR4013 *Design and size domestic treatment plant disposal systems*
- CPCPDR4012 *Design and size stormwater drainage systems*

Water

- CPCPWT4011 *Design and size heated and cold-water services and systems*
- CPCPWT4022 *Commission and maintain backflow prevention devices**
- CPCPWT4023 *Commission and maintain hot and heated water temperature control devices**

Roof

- CPCPRF4011 *Design and size roof drainage systems*

Units required for Certifier Licensing in Tasmania

Gas Fitting

CBOS require that all license applicants must complete the following 4 Common Units:

- | | |
|---------------|---|
| Common | <ul style="list-style-type: none"> • CPCCBC4012 Read and interpret plans and specifications • CPCPCM4012 Estimate and cost work • CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry • CPCPCM4011 Carry out work-based risk control processes |
|---------------|---|

You will then require all the units below for Gas Fitting Certifier Licensing:

- | | |
|------------|--|
| Gas | <ul style="list-style-type: none"> • CPCPGS4011 <i>Design and size consumer gas installations</i> • CPCPGS4022 <i>Service Type A gas appliances*</i> |
|------------|--|

* Pre-requisite units apply

Units required for Certifier Licensing in Tasmania

Roof Plumbing

CBOS require that all license applicants must complete the following 4 Common Units:

- | | |
|---------------|---|
| Common | <ul style="list-style-type: none"> • CPCCBC4012 Read and interpret plans and specifications • CPCPCM4012 Estimate and cost work • CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry • CPCPCM4011 Carry out work-based risk control processes |
|---------------|---|

You will then require all the units below for Roof Plumbing Certifier Licensing:

- | | |
|-------------|---|
| Roof | <ul style="list-style-type: none"> • CPCPRF4011 <i>Design and size roof drainage systems</i> |
|-------------|---|

Units required for Certifier Licensing in Tasmania

Mechanical Services Plumbing

CBOS require that all license applicants must complete the following 4 Common Units:

Common

- CPCBC4012 Read and interpret plans and specifications
- CPCPCM4012 Estimate and cost work
- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry
- CPCPCM4011 Carry out work-based risk control processes

You will then require all the units below for Mechanical Services Plumbing Certifier Licensing:

Sanitary

- CPCPSN4011 *Design and size sanitary plumbing systems*

Drainage

- CPCPDR4011 *Design and size sanitary drainage systems*
- CPCPDR4013 *Design and size domestic treatment plant disposal systems*
- CPCPDR4012 *Design and size stormwater drainage systems*

Water

- CPCPWT4011 *Design and size heated and cold-water services and systems*
- CPCPWT4022 *Commission and maintain backflow prevention devices**
- CPCPWT4023 *Commission and maintain hot and heated water temperature control devices**

Roof

- CPCPRF4011 *Design and size roof drainage systems*

Gas

- CPCPGS4011 *Design and size consumer gas installations*
- CPCPGS4022 *Service Type A gas appliances**

Mech

- CPCPMS4011 *Design, size and lay out heating and cooling systems*
- CPCPMS4022 *Commission air and water systems**

Course delivery structure

This qualification is offered in a structured classroom-based delivery mode. This will allow you to plan your progression towards your licensing goals with some degree of certainty.

Progression

Units are offered on a structured delivery model per Semester. There are two semesters each year and classes begin in February and July respectively.

Refer to the unit overview for planned 2025 dates.

Standard course progression

Our standard course progression is based day release and block delivery alternatives.

Block delivery training

We offer a block delivery mode for a range of licensing units. Students will work through the same course content and assessments as provided during night classes but all within a more intensive daytime programme. This option has the potential to allow much faster completion of required units.

This mode of delivery is particularly suitable for students who for a range of reasons cannot attend regular night class offerings at major campuses and is particularly suitable for the following:

Those from regional and remote areas within Tasmania

- Interstate students
- Employers wishing to undertake CPD refresher training during business hours
- Plumbing Surveyors and Building Designers
- People who fulfil a carers' role after hours
- Those wishing to complete their training as fast as possible

Potential participants should be aware that the block release format is very intensive, often covering multiple in-depth subjects and tight assessment timeframes. It should not be regarded as an easier option to night classes.

Duration

Depending on the unit itself you can expect that most subjects would be delivered in blocks of 5 consecutive days. Full course completion would be subject to your ability to attend multiple units, but potentially you would most likely complete the training necessary for at least 4 license streams within two Semesters (12 months).

Outcome

Upon successful completion of each unit, students will be awarded a Statement of Attainment. Students who elect to complete all 15 units will be awarded a CPC40920 Certificate IV in Plumbing and Services (Operations).

Course fee assistance

Funding assistance options may be available to Tasmanian residents.

Access to course fee assistance

The fees for each unit are priced on a full fee-for-service commercial rate (contact the TasTAFE Plumbing Team for the latest course costs).

However, you can apply to Keystone Tasmania (formerly the Tasmanian Building and Construction Industry Training Board - TBCITB) for course fee assistance.

Keystone Tasmania is an independent organisation established in 1990 to provide workforce development support to the Tasmanian construction industry.

Applications must be submitted by yourself or by your employer on your behalf three (3) days prior to the start of the course. If approved, you will be reimbursed a percentage of the course cost upon successful completion and presentation of your Statement of Attainment for each unit.

TasTAFE has no part in this process and it is entirely your responsibility to apply to Keystone Tasmania in the required timeframes.

Contact **Keystone Tasmania on 03 6223 7804** or email at **email@keystone.com.au** or visit their website for more information **www.keystone.com.au**.

Course cost

The table below list the costs per course for 2025:

Unit of Competency	Cost	CPD
CPCBC4012 Read and interpret plans and specifications	\$845	12
CPCPCM4012 Estimate and cost work	\$340	12
CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry	\$845	12
CPCPCM4011 Carry out work-based risk control processes	\$340	12
CPCPSN4011 <i>Design and size sanitary plumbing systems</i>	\$1,260	12
CPCPDR4011 <i>Design and size sanitary drainage systems</i>	\$1,260	12
CPCPDR4013 <i>Design and size domestic treatment plant disposal systems</i>	\$990	10
CPCPDR4012 <i>Design and size stormwater drainage systems</i>	\$1,260	12
CPCPWT4011 <i>Design and size heated and cold-water services and systems</i>	\$2,190	12
CPCPWT4022 <i>Commission and maintain backflow prevention devices*</i>	\$1,065	12
CPCPWT4023 <i>Commission and maintain hot and heated water temperature control devices*</i>	\$815	10

Unit of Competency	Cost	CPD
CPCPRF4011 <i>Design and size roof drainage systems</i>	\$1,260	12
CPCPGS4011 <i>Design and size consumer gas installations</i>	\$2,190	12
CPCPGS4022 <i>Service Type A gas appliances*</i>	\$3,305	12
CPCPMS4011 <i>Design, size and lay out heating and cooling systems</i>	\$TBC	12
CPCPMS4022 <i>Commission air and water systems*</i>	\$TBC	12
Roof Certifiers Course		
Unit of Competency	Cost	CPD
CPCCBC4012 Read and interpret plans and specifications	\$2,915	12
CPCPCM4012 Estimate and cost work		12
CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry		12
CPCPCM4011 Carry out work-based risk control processes		12
CPCPRF4011 <i>Design and size roof drainage systems</i>		12

Mandatory student requirements

Please carefully read ALL the following information – Students attending Cert IV training and assessment at TasTAFE are required to bring the following prescribed course items and equipment.

Standards and codes

You will find details of each of the Australian Standards and/or Codes of Practice you will require for every unit within this guide. All plumbers must carry out their daily work in accordance with such documents and as such it is mandatory that you have these where prescribed.

The TasTAFE Plumbing Team does not sell or loan Standards. You must have your own copy.

Where to get standards

Following enrolment, you can access Australian Standards under your student account. You must do one of the following:

- Phone your closest TasTAFE campus library and ask them to print out relevant Australian Standards and Codes of Practice as required for your course. A nominal fee for paper applies. You can then pick up your copies at a mutually agreed time. DO NOT simply show up without booking ahead as library staff may not be able to print all items immediately. Always call ahead.
- Alternatively, you can access the TasTAFE library webpage and using your Student Login details download a copy of the Standard to your phone, tablet or computer.

- Alternatively, you may choose to purchase copies of Australian Standards directly from an authorised Standards Australia reseller.

It is YOUR responsibility to ensure you have the relevant Standards prior to course commencement.

Personal Protective Equipment (PP)

- Standard workplace PPE is required for all practical classes.

Computer access

- For some units you will require computer access at home

Prescribed textbooks

Where textbooks are prescribed you will be invoiced at time of enrolment. Alternatively, you can purchase the texts prior to course commencement from the following outlets:

North - Petrarch's Bookshop
89 Brisbane St Launceston (03 6331 8088)

South - Supply Bookshop
75 Campbell St Hobart (03 6165 6114)

Course and unit pre-requisites

Specific pre-requisites apply to the course itself and some units of competency. A pre-requisite is something that must be done first before you can progress to the next stage.

Basic course pre-requisites

Entry into this qualification is based upon the following requirements:

- Applicants must be a qualified plumber holding 'Practitioner' or existing 'Certifier' licensing
- Participants wishing to undertake the full Certificate must have also successfully completed the gas fitting stream during their apprenticeship
- **Some early Cert III gas units are NOT accepted by CBOS.** Applicants for gas licensing will need to confirm if their Certificate III qualification is still approved by the Licensing Regulator (CBOS). You may need to undertake an upgrade course in Cert III units AND Cert IV units for certifier licensing. Contact CBOS before enrolment and quote the qualification number on your Certificate.

Unit pre-requisites

Some units must be completed before progressing past a certain point. These include:

Common Units

- CPCCBC4012 Read and interpret plans and specifications – The course includes important skills in plan-reading, interpretation and drawing that are used repeatedly throughout the qualification.

- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry – this unit covers the fundamental skills required of Certifiers to determine the statutory and regulatory guidelines relevant to all prescribed plumbing work under the National Construction Code. This knowledge will then be applied regularly in all subsequent Design units.
 - Once these 2x Common units are complete you can move onto the specific stream units that you require
- Restricted Electrical Licence Course – Prior to commencing the unit 'Service Type A gas appliances' you must complete the following units:
 - UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
 - UEERL0004 - Disconnect - reconnect electrical equipment connected to low voltage (LV) installation wiring

If you have completed an earlier version of REL please contact us to confirm units with current Licensing requirements.

NOTE: The REL course is NOT an integral part of the Certificate IV in Plumbing and Services qualification and as such will require you to seek separate funding assistance from Keystone Tasmania prior to commencement.

Course dates

TasTAFE undertake to run all courses on the advertised dates wherever possible but reserve the right to make changes where unforeseen circumstances or low enrolments dictate a need for an alternative.

Continuing professional development (CPD)

Continuing Professional Development (CPD) is a requirement for all categories of licence holders under the Occupational Licence Act 2005 (Tasmania) and is administered by Consumer, Building and Occupational Services (CBOS)

Purpose

CPD is aimed at increasing consumer protection and maintaining public confidence by ensuring that industry participants are continually updating their skills.

The individual units within the Certificate IV in Plumbing and Services have been approved by CBOS for CPD points allocation.

See pages 10 and 11 for points allocated per unit of competency.

Points per unit

Each successfully completed unit within the Cert IV will be worth 10-12 CPD points. Cert IV units can be used to accrue up to a maximum of 36 points per licence category during each 3-year licence term. Points earned in excess of this amount through Certificate IV units cannot be rolled over to the new licence period.

More details relating to the CPD system and approved courses can be found on the following websites:

- [CPD \(Continuing Professional Development\) \(cbos.tas.gov.au\)](http://cpdtoolbox.com.au/index.php)
- <http://cpdtoolbox.com.au/index.php>

Points record

Upon completion of each unit you will be issued the standard Statement of Attainment and on request we can provide a Statement of Attendance that will formally detail the number of CPD points earned. This evidence will be required for your licence renewal. It is up to you to maintain such records.

For more information on CPD and its requirements please visit the CBOS website.

How to enrol

The following options apply to the enrolment process

Enrolment procedure

Once you have confirmed licensing requirements with CBOS and have read this Course Guide, you need to contact us to commence your enrolment process.

Entry into units within CPC40920 Certificate IV in Plumbing and Services may be subject to an interview.

You can apply online via the TasTAFE website:

[Plumbing & Electrical | TasTAFE](#) or phone us on 1300 655 307

You MUST read TasTAFE's Fees policy <https://www.tastafe.tas.edu.au/students/fees/fee-guide>.

Cancellation and refund policy

The following applies when you may need to cancel a booking

Booking cancelation procedure

Sometimes work and life pressures may demand that you cancel a course booking. When this happens, **you must inform TasTAFE Plumbing at least three business days before course commencement.** To ensure we can allocate a place to someone on a waiting list, strict cut-off dates apply to all courses and no refunds will apply after such dates.

Where we receive no notification and you do not show up for the course, the following will apply:

- No refund of course fee
- Your name will be removed from ALL Cert IV course bookings and your place given to someone on the waiting list

Common Units

The following four units are required for all Certifier license applications

Read and interpret plans and specifications (CPCCBBC4012)

Course pre-requisite

This is one of four Common units required by CBOS for Certifier licensing.

Students will undertake in-depth review of modern residential construction plans and identify specific plumbing installation requirements, plan specifications and detailed materials schedule. In this course you will also be introduced to basic CAD drafting with ongoing development of these skills throughout subsequent design units.

DELIVERY MODES

- Block/day classes – Hobart and Launceston

PRE-REQUISITES

Certificate III in Plumbing

DATES AND TIMES 2025

Group One:

- Clarence – 24th to 28th February
- Alanvale – 17th to 21st February

Group Two:

- Clarence – TBC

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

- National Construction Code – Vol 3 Plumbing Code of Australia 2022 (downloaded in Session 1)
- Pens, pencils, paper and calculator

Access and interpret regulatory requirements for the plumbing and services industry (CPCPCM4015)

Course pre-requisite

This is one of four Common units required by CBOS for Certifier licensing and is fully contextualised to cover very specific Tasmanian regulatory requirements.

In Tasmania the Building Act (2016) directs that all plumbing work must be carried out in accordance with the National Construction Code (NCC) and all relevant Standards and Codes of Practice. In this unit you will learn about your statutory obligations as a plumbing Certifier and how they must be applied to specific plumbing job planning, design and tasks. You will be required to undertake internet searches of relevant websites to access all required information.

DELIVERY MODES

- Block/day classes – Hobart and Launceston

PRE-REQUISITES

Certificate III in Plumbing

DATES AND TIMES 2025

Group One:

- Clarence – 24th to 28th February
- Alanvale – 17th to 21st February

Group Two:

- Clarence – TBC

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

- National Construction Code – Vol 3 Plumbing Code of Australia 2022 (downloaded in Session 1)
- Pens, pencils, paper and calculator

Estimate and cost work (CPCPCM4012)

This is one of four Common units required by CBOS for Certifier licensing.

Using a formal approach to calculating sole-trader business overheads and an accurate hourly rate, students will estimate project requirements and complete a fully costed quotation for at least 3 different plumbing installations in Class 1 buildings.

DELIVERY MODES

- Block/day classes – Hobart and Launceston

PRE-REQUISITES

Certificate III in Plumbing PLUS:

- CPCCBC4012 Read and interpret plans and specifications
- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry

DATES AND TIMES 2025

Group One:

- Clarence – 24th to 28th February
- Alanvale – 17th to 21st February

Group Two:

- Clarence – TBC

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

- Pens, pencils, paper and calculator

Carry out work-based risk control measures (CPCPCM4011)

This is one of four Common units required by CBOS for Certifier licensing.

A Certifier plumber has many higher-level obligations relating to WHS and worksite risk control, particularly relating to the protection of employees and the development of accurate and compliant health and safety processes and documentation. Students will undertake study in the latest requirements relating to WHS hazard and risk control set in a plumbing trade context.

DELIVERY MODES

- Block/day classes – Hobart and Launceston

PRE-REQUISITES

Certificate III in Plumbing PLUS:

- CPCCBC4012 Read and interpret plans and specifications
- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry

DATES AND TIMES 2025

Group One:

- Clarence – 24th to 28th February
- Alanvale – 17th to 21st February

Group Two:

- Clarence – TBC

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

- Pens, pencils, paper and calculator
- Computer access at home

License stream units

These license units are contextualised to meet Tasmanian requirements as detailed within the Plumbing Code of Australia

Design and size sanitary drainage systems (CPCPDR4011)

This unit is focused upon the design requirements for sanitary drainage systems to convey soil and waste discharges to an approved connection point or on-site disposal.

Students will learn how to design sanitary drainage systems in accordance with the Plumbing Code of Australia (PCA), AS/NZS 2870 and AS/NZS 3500.2 including calculation of all necessary Reduced Levels, Invert Levels, grades and mitigation solutions for reactive soil movement. All designs will be completed using CAD software.

Importantly, approximately 50% of the course focuses on Tasmanian specific requirements for selection, sizing, venting and connection of commercial liquid trade waste installations as detailed within the TasWater Pre-Treatment Guidelines and PCA.

DELIVERY MODES

- Block/day classes – Hobart and Launceston

PRE-REQUISITES

Certificate III in Plumbing PLUS:

- CPCBC4012 Read and interpret plans and specifications
- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry

DATES AND TIMES 2025

Group One:

- Clarence – 31st March to 4th April
- Alanvale – 17th to 31st March

Group Two:

- Clarence – TBC

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

- National Construction Code – Vol 3 Plumbing Code of Australia 2022 (downloaded in Session 1)
- AS/NZS 3500.2:2021 Sanitary plumbing and drainage
- AS/NZS 3500.0:2021 Glossary
- Pens, pencils, paper and calculator

Design and size domestic treatment plant disposal systems (CPCPDR4013)

This unit is focused upon the design of onsite domestic treatment systems and land application areas.

Students will learn how to design domestic treatment plant systems in accordance with the Plumbing Code of Australia (PCA), AS/NZS 3500.2 and AS/NZS 1547. All designs will be completed using CAD software.

Tasmanian specific requirements relating to venting, soil categories and land application area design are covered in detail and meets all requirements under the Director's Guidelines for Onsite Wastewater Management Systems and the PCA.

DELIVERY MODES

- Block/day classes – Hobart and Launceston

PRE-REQUISITES

Certificate III in Plumbing PLUS:

- CPCCBC4012 Read and interpret plans and specifications
- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry

DATES AND TIMES 2025

Group One:

- Clarence – 12th to 14th May
- Alanvale – 28th to 30th May

Group Two:

- Clarence – TBC

PREScribed TEXT/MATERIAL REQUIREMENTS

- National Construction Code – Vol 3 Plumbing Code of Australia 2022 (downloaded in Session 1)
- AS/NZS 3500.2:2021 Sanitary plumbing and drainage
- AS/NZS 3500.0:2021 Glossary
- AS/NZS 1547:2012 On-site domestic wastewater management
- Pens, pencils, paper and calculator

Design and size stormwater drainage systems (CPCPDR4012)

This unit is focused upon the design of surface and sub-soil stormwater drainage systems to a legal point of discharge.

Students will use computer software to calculate and apply hydraulic design flow calculations for all site catchment areas. You will then calculate all necessary Reduced Levels, Invert Levels, grades and pipe sizes to design a stormwater drainage solution in accordance with the Plumbing Code of Australia (PCA) and AS/NZS 3500.3 for a commercial Class 6 building and multi-residential Class 1a developments, with connection to an external stormwater drainage network via Onsite Stormwater Detention. All designs will be completed using CAD software.

DELIVERY MODES

- Block/day classes – Hobart and Launceston

PRE-REQUISITES

Certificate III in Plumbing PLUS:

- CPCCBC4012 Read and interpret plans and specifications

- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry

DATES AND TIMES 2025

Group One:

- Clarence – 23rd to 27th June
- Alanvale – 16th to 20th June

Group Two:

- Clarence – TBC

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

- National Construction Code – Vol 3 Plumbing Code of Australia 2022 (downloaded in Session 1)
- AS/NZS 3500.3:2021 Stormwater drainage
- AS/NZS 3500.0:2021 Glossary
- HB 230:2008 Rainwater tank design and installation handbook
- Pens, pencils, paper and calculator

Design and size sanitary plumbing systems (CPCPSN4011)

This unit is focused upon the design of sanitary plumbing systems to convey soil and waste discharges to an approved connection point.

Students will learn how to design sanitary plumbing systems for both domestic and multi-story commercial buildings in accordance with the Plumbing Code of Australia (PCA) and AS/NZS 3500.2.

After covering basic design requirements for Class 1 buildings, you will learn and apply advanced design solutions including Elevated Pipework, Fully Vented Modified, Single Stack and Reduced Velocity Aerated Stack systems to service a seven-

storey residential building. All designs will be completed using CAD software.

DELIVERY MODES

- Block/day classes – Hobart and Launceston

PRE-REQUISITES

Certificate III in Plumbing PLUS:

- CPCCBC4012 Read and interpret plans and specifications
- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry

DATES AND TIMES 2025

Group One:

- Clarence – 1st to 5th September
- Alanvale – 25th to 29th August

Group Two:

- Clarence – 2026

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

- National Construction Code – Vol 3 Plumbing Code of Australia 2022 (downloaded in Session 1)
- AS/NZS 3500.2:2021 Sanitary plumbing and drainage
- AS/NZS 3500.0:2021 Glossary
- AS/NZS 2032:2006 Installation of PVC pipe systems
- Pens, pencils, paper and calculator

Design and size heated and cold-water services and systems (CPCPWT4011)

This unit covers the design of cold, tempered and hot water services, hydrants and hose reels for multi-storey installations.

Students will learn how to design water supply systems in accordance with the Plumbing Code of Australia (PCA), AS/NZS 3500 Parts 1 and 4 and associated fire standards.

Content includes determination of pipe sizes by applying pressure drop, valve head losses, Probable Simultaneous Demand (PSD), equivalent pipe size SDR's and available head. You will design a complete water supply system for a seven-storey commercial building including commercial kitchen, plant room, accessible toilets, sanitary fixtures, fire hydrants and fire hose reels. You will also design a system for a seven-storey residential tower with a full array of fixtures and fire protection. All designs will be completed using CAD software.

DELIVERY MODES

- Block/day classes – Hobart and Launceston

PRE-REQUISITES

Certificate III in Plumbing PLUS:

- CPCCBC4012 Read and interpret plans and specifications
- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry

DATES AND TIMES 2025

Group One:

- Clarence Week 1 – 29th Sept to 3rd Oct
- Clarence Week 2 – 27th to 31st October
- Alanvale Week 1 – 22nd to 26th Sept
- Alanvale – Week 2 – 13th to 17th Oct

Group Two:

- Clarence – 2026

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

- National Construction Code – Vol 3 Plumbing Code of Australia 2022 (downloaded in Session 1)
- AS/NZS 3500.1:2021 Water services (including Amendment 1)
- AS/NZS 3500.4:2021 Heated water services
- AS 2441:2005 Fire hose reels
- AS 2419.1:2021 Fire hydrants

Commission and maintain backflow prevention devices (CPCPWT4022)

Contaminated drinking water supplies can potentially result in serious sicknesses or death of people. Such contaminants include heavy metals, herbicides, parasites and other communicable disease pathogens.

Plumbers are charged with the responsibility of protecting the health and safety of the community through the provision of drinking water systems free from cross-connection contaminants.

This unit covers the skills and knowledge required to test, commission and maintain backflow prevention devices in accordance with Plumbing Code of Australia (PCA), manufacturer's specifications and strict application of AS/NZS 2845.3.

DELIVERY MODES

- Day release classes – Hobart

PRE-REQUISITES

Certificate III in Plumbing PLUS:

- CPCCBC4012 Read and interpret plans and specifications
- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry
- CPCPCM2043 Carry out WHS requirements
- CPCPWT3027 Install backflow prevention devices

DATES AND TIMES 2025

Group One Northern Students:

- Clarence – 10th to 12th November

Group One Southern Students:

- Clarence – 17th to 19th November

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

- National Construction Code – Vol 3 Plumbing Code of Australia 2022 (downloaded in Session 1)
- AS/NZS 3500.1:2021 Water services (Including Amendment 1)
- AS/NZS 3500.0:2021 Glossary
- AS 2845.3:2020 Field testing and maintenance of testable devices
- Pens, pencils, paper and calculator
- Practical work PPE (Safety boots and glasses)

Commission and maintain hot and heated water temperature control devices (CPCPWT4023)

The most vulnerable people in our community are at risk of severe injury and death from scalding through incorrectly

installed and maintained thermostatic mixing valves and other water temperature control devices. Aged care homes, hospitals and childcare facilities are just a sample of where such devices must be used.

This unit covers the skills and knowledge required to test, commission and maintain heated water control devices in accordance with manufacturer's specifications and legislative requirements.

This course includes very specific Tasmanian temperature control requirements as detailed only in the Plumbing Code of Australia (PCA).

DELIVERY MODES

- Day release classes – Hobart

PRE-REQUISITES

Certificate III in Plumbing PLUS:

- CPCCBC4012 Read and interpret plans and specifications
- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry
- CPCPCM2043 Carry out WHS requirements
- CPCPWT3022 Install and commission water heating systems and adjust controls and devices

DATES AND TIMES 2025

Group One Northern Students:

- Clarence – 13th to 14th November

Group One Southern Students:

- Clarence – 20th to 21st November

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

- National Construction Code – Vol 3 Plumbing Code of Australia 2022 (downloaded in Session 1)
- AS/NZS 3500.4:2021 Heated water services
- AS/NZS 3500.0:2021 Glossary
- AS 4032.3:2004 Req's for field testing, maintenance or replacement of thermostatic mixing valves....
- Pens, pencils, paper and calculator
- Practical work PPE (Safety boots and glasses)

Design and size roof drainage systems (CPCPRF4011)

This unit is focused upon the design requirements for roof drainage systems to efficiently convey rainwater to an approved connection point. Certifier roof plumbers must ensure that roof drainage systems are design is such a way that blocked systems overflow harmlessly outside of the building.

Using AEP% rainfall data from the Bureau of Meteorology and other relevant Codes, students will calculate and apply hydraulic design flow solutions for a range of roof catchment areas. Students will size residential and commercial eaves gutter systems as well as commercial box gutters, rainheads and sump systems in accordance with the Plumbing Code of Australia (PCA), NCC Vol 2 and AS/NZS 3500.3.

DELIVERY MODES

- Block/day classes – Hobart and Launceston

PRE-REQUISITES

Certificate III in Plumbing PLUS:

- CPCCBC4012 Read and interpret plans and specifications
- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry

DATES AND TIMES 2025

Group One:

- Clarence – 28th July to 1st August
- Alanvale – 21st to 25th July

Group Two:

- Clarence – 2026

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

National Construction Code – Vol 3 Plumbing Code of Australia 2019 (downloaded in Session 1)

- AS/NZS 3500.3:2021 Stormwater drainage
- AS/NZS 3500.0:2021 Glossary
- SA HB39:2015 Installation code for metal roof and wall cladding
- Pens, pencils, paper and calculator

Design and size consumer gas installations (CPCPGS4011)

This unit covers the design requirements for both NG and LPG consumer gas installations across a wide range of construction applications. Students will study, interpret and apply gas design principles in accordance with the AS/NZS 5601 Parts 1 and 2. Designs will include

- Domestic standard installations
- Caravan and marine craft
- Embedded networks
- Commercial kitchen

DELIVERY MODES

- Block/day classes – Hobart

PRE-REQUISITES

Certificate III in Plumbing PLUS:

- CPCBC4012 Read and interpret plans and specifications
- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry

YOU MUST READ THIS:

Some early Cert III gas units are NOT accepted by CBOS. You will need to confirm if your Cert III qualification is still approved by CBOS. You may need to undertake an upgrade course in Cert III units AND Cert IV units for certifier licensing.

DATES AND TIMES 2025

Group One:

- Clarence – 4 week block.
Week One – 17th to 28th March
Week Two – 28th April to 9th May

Group Two:

- Clarence – TBC – depending on student numbers.

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

- AS/NZS 5601.1:2013 (Including Amendments 1 to 4)
- AS/NZS 5601.2:2020 LP Gas installations in caravans and boats for non-propulsive purposes (Including Amendment 1)
- AS/NZS 1596:2014 Storage and handling of LP Gas (Including Amendments 1&2)
- Text – 'Basic Plumbing Services – Gas Services' 3e (additional cost of approx. \$90 invoiced upon enrolment and book issued at Session 1. Let us know if you already have it)
- Pens, pencils, paper and calculator

Service Type A gas appliances (CPCPGS4022)

Gas Licensing Stream - Modern gas appliances incorporate sophisticated control systems that contribute to their high performance and efficiency. To keep these appliances operating as designed requires gas fitters with high-level servicing skills and knowledge in both gas control systems and electrical diagnosis and testing. This hands-on servicing course is delivered by specialist TasTAFE gas teachers and covers the following areas:

- Gas appliance control systems
- Conversion procedures
- Electrical fault finding (gas appliances only)
- Servicing of domestic and commercial catering appliances.

DELIVERY MODES

- Block/Day classes – Hobart

PRE-REQUISITES

Certificate III in Plumbing PLUS:

- CPCBC4012 Read and interpret plans and specifications
- CPCPCM4015 Access and interpret regulatory requirements for the plumbing and services industry
- CPCPCM2043 Carry out WHS requirements
- CPCPGS3053 Disconnect and reconnect Type A appliances
- Restricted Electrical Licensing Course (see TasTAFE website)

DATES AND TIMES 2025

Group One:

- Clarence – In the Gas Design Block

Group Two:

- Clarence - TBC

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

- AS/NZS 5601.1:2013 (Including Amendments 1 to 4)
- AS/NZS 5601.2:2020 LP Gas installations in caravans and boats for non-propulsive purposes (Including Amendment 1)
- AS/NZS 1596:2014 Storage and handling of LP Gas (Including Amendments 1&2)
- Text – 'Basic Plumbing Services – Gas Services' (additional cost of approx. \$90 invoiced upon enrolment and book issued at Session 1. Let us know if you already have it)
- Workplace PPE (Safety boots and glasses)
- Pens, pencils, paper and calculator

Establish legal and risk management requirements of new business ventures (BSBESB402)

While not required for a Certifier license application, this is one of the mandatory Stream Core units required to complete a full Certificate IV in Plumbing and Services. It may also be completed by Roof and Gas Fitting specialists on a discretionary basis.

This unit covers the skills and knowledge required to identify and comply with all regulations affecting business operations. It applies to individuals operating a small business who must use analytical skills to interpret legislation and develop procedures to manage compliance. There are 10 main areas of consideration including:

- Ownership structure
- Business premises
- Registration, licences etc
- WHS
- Contract law
- Industrial law
- Consumer law
- Taxation law
- Intellectual property
- Insurance

DELIVERY MODES

- Online delivery with final face to face supervised assessment

PRE-REQUISITES

- No pre-requisites apply to this unit

DATES AND TIMES 2025

- Under development – delivery scheduled mid 2025

PRESCRIBED TEXT/MATERIAL REQUIREMENTS

- The Small Business Management Series – Legal Issues
Issued under loan from TasTAFE library

Where to from here?

Having read this course guide, you will more than likely have more questions.

Please use the contacts below to talk more about your needs and book an interview to discuss your options.

Phone: (03) 6165 6482 or 1300 655 307

Email:
PlumbingCert4@TasTAFE.tas.edu.au

www.tastafe.tas.edu.au



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