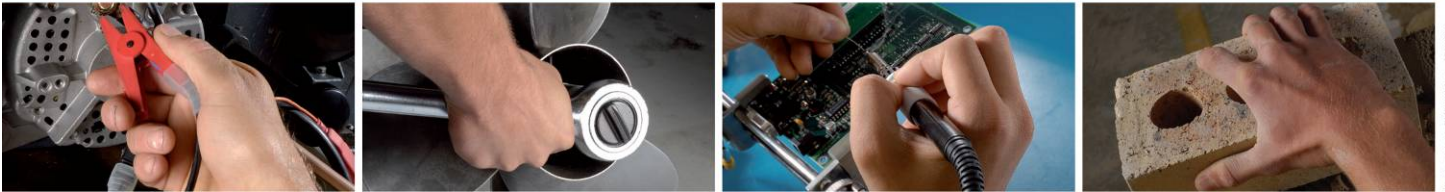


SkillsTech Australia

Industry's right hand



CPC40911 Certificate IV in Plumbing Services (Hydraulic Services Design)

Program Description

CPC40911 Certificate IV in Plumbing Services (Hydraulic Services Design) is a post trade qualification designed for specialist hydraulic consultants in Australia. This program provides the skills and knowledge required for employment as a para-professional in the hydraulic field of the building industry. It is also an entry requirement for those wishing to progress to the *CPC50611 Diploma of Hydraulic Services Design* course.

Course Outcomes

Mid-level management, Trainee Supervisor or Specialist Hydraulic Designer positions in the construction hydraulics design field of the building industry. This course is also a pathway to the *CPC50611 Diploma of Hydraulic Services Design* course for specialist hydraulic design consultants who design plumbing and services systems for residential and commercial buildings.

Course Length

The length of the course will vary depending on whether you have credits from other qualifications or are approved for RPL. The length of the course also depends on your background (i.e. previous study, work and life experiences) and work and family commitments. You will be able to accelerate your progress by working at a faster rate through the learning materials provided for each of the competencies, although we recommend you only study **2-3 units at the one time**. Depending upon your work and personal commitments, to complete all 15 units, follow an **18 month** or **24 month Study Plan** (refer to pages 3-4).

Delivery Mode

Some units may be completed via campus-based classes (at Acacia Ridge), with the entire course offered online via our learning management system, my.TAFE. Either way, students will work in a supportive environment. Working in this environment means that

students work through programs progressively while still receiving individual clarification or interaction when necessary or when they encounter difficulties. Experienced staff, who care and cater for the individual, will provide varying training strategies depending on the content and context of the learning situation.

Entry Requirements

Entry into *CPC40911 Certificate IV in Plumbing Services (Hydraulic Services Design)* is open to all students, however, it is recommended that those enrolling have a Sound Achievement in Year 12 English and Maths or equivalent. Completion of the general induction training program specified by the National Code of Practice for Induction Training for Construction Work (SAC 2006) is required before entering a construction work site. Achievement of the unit CPCCOHS1001A covers this requirement.

Assessment

Assessment will be held on a progressive basis. Assessment in the course is competency-based. When you complete each unit's assessment, you will gain one of two results – "J" (Competent) or "M" (Not Competent).

Recognition of Prior Learning (RPL)

RPL recognises the knowledge/skills already gained from life and work experience. When students apply for RPL they present evidence of their knowledge/skill in all elements of the competency. For information on RPL contact the Recognition Services Team on **1800 654 447** or email skillstech.recognition@det.qld.gov.au

Articulation

On completion of *CPC40911 Certificate IV in Plumbing Services (Hydraulic Services Design)*, students will have fulfilled the entry requirement (and up to 11 of the units) for the *CPC50611 Diploma of Hydraulic Services Design* course which is also offered by SkillsTech Australia.

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Competency Units

This course contains 15 units of competency:

Unit Code	Unit Name
CPCBC4034A	Apply codes and standards to building trade and services contracting
CPCPCM4001A	Carry out work based risk control processes
BSBOHS403B	Identify hazards and assess OHS risks
CPCPCM4002A	Estimate and cost work
CPCBC4012A	Read and interpret plans and specifications
BSBITU202A	Create and use simple spreadsheets
CPCPCM4004A	Prepare simple sketches and drawings
CPCPDR4011A	Design and size sanitary drainage systems
CPCPSN4011A	Design and size sanitary plumbing systems
CPCPWT4011A	Design and size heated and cold water services and systems
CPCPCM4003A	Produce 2-D architectural drawings using CAD software
CPCPDR4012A	Design and size stormwater drainage systems
CPCPDR4013A	Design and size domestic treatment plant disposal systems
CPCPGS4011A	Design and size consumer gas installations
CPCPRF4011A	Design and size roof drainage systems

The above units may be offered:

- On campus (evenings and via intensive daytime blocks) at the Acacia Ridge Training Centre
- Online
- Via RPL (Recognition of Prior Learning)

Evening and online classes are offered each semester. (**Note: Semester 1** starts in *late January/early February* each year and **Semester 2** starts in *early/mid July* each year.)

Intensive daytime blocks are programmed throughout the semester.

For further information or to enrol:

Ring: (07)3244 0383 Matthew or (07)3244 0384 Chris

Email: CommercialPlumbing.Skillstech@deta.qld.gov.au

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Suggested Study Plans

Below are two suggested Study Plans: one to complete your program in **18 Months** and the other over **24 Months**. These Study Plans are based on a student wishing to complete **15 units** to complete the whole course. If you are undertaking less than 15 units, modify the suggested Study Plan to suit your personal situation.



Your teachers recommend a workload of **no more than 3 units at the one time**. You may also choose to progress through your program at a slower pace.

18 Month Study Plan (15 units)

18

Complete **9 hours** of course work **a week** (online students) **for 3 semesters**

Semester ¹	Units ²	Weeks per Unit
Your First Semester	CPCPCM4001A Carry out work-based risk control processes	7
	BSBOHS403B Identify hazards and assess OHS risks <i>(Do this unit after completing CPCPCM4001A)</i>	7
	CPCPCM4002A Estimate and cost work	10
	CPCCBC4034A Apply codes and standards to building trade and services contracting	6
	CPCCBC4012A Read and interpret plans and specifications	5
	BSBITU202A Create and use simple spreadsheets	7
	CPCPCM4004A Prepare simple sketches and drawings	7
Your Second Semester	CPCPDR4011A Design and size sanitary drainage systems	9
	CPCPSN4011A Design and size sanitary plumbing systems	9
	CPCPWT4011A Design and size heated and cold water services/systems	12
	CPCPCM4003A Produce 2-D architectural drawings using CAD software	7
Your Third Semester	CPCPGS4011A Design and size consumer gas installation	8
	CPCPDR4003A Plan, size and layout domestic treatment plant disposal systems	6
	CPCPRF4011A Design and size roof drainage systems	7
	CPCPDR4002A Plan, size and layout stormwater drainage systems	7

Notes

- There are 2 semesters in a TAFE academic year: **Semester 1** runs from February-June and **Semester 2** runs from July-December each year. To **start your course**, enrol in the units listed in "**Your First Semester**", regardless of whether you start in February or July.
- Unit start times are timetabled over the semester. This approach will ensure you are studying **no more than 3 units at the one time** and for some weeks you will be studying **2 units only**. Check the *Enrolment Selection Form* or *Enrolment Confirmation Form* for **Start, Assessment Due** and **End Dates**. This applies to all campus-based and online students.

CPC40911 Certificate IV in Plumbing Services (Hydraulic Services Design) Acacia Ridge Training Centre 24 Month Study Plan (15 units)

24

Complete **6 hours** of course work **a week** (online students) **for 4 semesters**

Semester ¹	Units ²	Weeks per Unit
Your First Semester	CPCPCM4001A Carry out work-based risk control processes	7
	BSBOHS403B Identify hazards and assess OHS risks (<i>Do this unit after completing CPCPCM4001A</i>)	7
	CPCPCM4002A Estimate and cost work	10
	CPCCBC4034A Apply codes and standards to building trade and services contracting	6
	CPCCBC4012A Read and interpret plans and specifications	5
Your Second Semester	BSBITU202A Create and use simple spreadsheets	7
	CPCPCM4004A Prepare simple sketches and drawings	7
	CPCPDR4011A Design and size sanitary drainage systems	9
	CPCPSN4011A Design and size sanitary plumbing systems	9
Your Third Semester	CPCPWT4011A Design and size heated and cold water services/systems	12
	CPCPGS4011A Design and size consumer gas installation	8
	CPCPCM4003A Produce 2-D architectural drawings using CAD software	7
Your Fourth Semester	CPCPDR4013A Design and size domestic treatment plant disposal systems	6
	CPCPRF4011A Design and size roof drainage systems	7
	CPCPDR4012A Design and size stormwater drainage systems	7

Notes

- There are 2 semesters in a TAFE academic year: **Semester 1** runs from February-June and **Semester 2** runs from July-December each year. To **start your course**, enrol in the units listed in “**Your First Semester**”, regardless of whether you start in February or July.
- Unit start times are timetabled over the semester. This approach will ensure that, most of the time, you will study **no more than 2 units at the one time**, although for some weeks you may study **3 units**. Check the *Enrolment Selection Form* or *Enrolment Confirmation Form* for **Start, Assessment Due** and **End Dates**. This applies to all campus-based and online students.