

## Plumbing

BOS course name	Pattern of study	BOS course number	Schools Online (Administration) entry advice
Plumbing (120 hours)	2 units x 1 year	52210 (school/private provider delivered)	Enter this course number for either Preliminary (Year 11) or HSC (Year 12)
		41111 (TAFE NSW delivered)	
Plumbing (240 hours)	2 units x 2 years	52212 (school/private provider delivered)	Enter this course number for both Preliminary (Year 11) and HSC (Year 12)
		41113 (TAFE NSW delivered)	
	4 units x 1 year	52211 (school/private provider delivered)	Enter this course number for either Preliminary (Year 11) or HSC (Year 12)
		41118 (TAFE NSW delivered)	
Plumbing (360 hours)	2 units x 2 years	52212 (school/private provider delivered)	Enter this course number for both Preliminary (Year 11) and HSC (Year 12)
		41113 (TAFE NSW delivered)	
	<b>and</b>		
	2 units x 1 year	52210 (school/private provider delivered)	Enter this course number for either Preliminary (Year 11) or HSC (Year 12) depending on the pattern of delivery
		41111 (TAFE NSW delivered)	

<b>AQF VET qualification</b>	Statement of Attainment towards Certificate III in Plumbing (CPC32411) (CPC08v7)
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<b>Minimum work placement</b>	<p>For non school-based apprentices 70 hours of work placement is strongly recommended for those undertaking the 240-hour and 360-hour courses.</p> <p>For school-based apprentices mandatory work placement requirements for this course are met through the on-the-job training component of the school-based apprenticeship.</p>
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<b>Exclusions</b>	Roof Plumbing (locally designed school/private provider or TAFE NSW delivered VET course)
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For TAFE NSW delivery only:

<b>TAFE course name</b>	Plumbing	<b>TAFE course number</b>	10233
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Note: This endorsed course description and/or the TAFE NSW course may include units of competency that are not available for delivery by TAFE NSW for a TVET program of study.

## HSC unit credit and course requirements

HSC unit credit for VET courses can be accredited to the Preliminary and/or HSC pattern of study.

### Plumbing (120 indicative hours)

- accredited for a total of 2 units at the Preliminary and/or HSC level
- attempt CPCPCM2023A and elective units of competency to a minimum of 100 HSC indicative hours.

### Plumbing (240 indicative hours)

- accredited for a total of 4 units at the Preliminary and/or HSC level
- attempt CPCPCM2023A and elective units of competency to a minimum of 220 HSC indicative hours.

### Plumbing (360 indicative hours)

- accredited for a total of 6 units at the Preliminary and/or HSC level
- attempt CPCPCM2023A and elective units of competency to a minimum of 340 HSC indicative hours.

To count a course towards the HSC program of study students must satisfy the course completion criteria as required by the Board of Studies. Refer to Section 8.4 of the *Assessment, Certification and Examination (ACE) Manual*.

The pattern of study entered should reflect the delivery of the course over successive years. Students will be credentialled for the HSC unit credit entered each calendar year provided they have satisfactorily completed the course requirements for that calendar year as determined by the school/RTO.

## Access by students in Years 9 and 10 (Stage 5)

In certain circumstances students in Years 9 and 10 (Stage 5) may access this Stage 6 VET course. Further information is available on the Board of Studies website at [www.boardofstudies.nsw.edu.au/voc\\_ed/stage-5.html](http://www.boardofstudies.nsw.edu.au/voc_ed/stage-5.html)

## Course content

Unit code	Unit title	Unit-specific prerequisite	Status for AQF VET qualification*	HSC indicative hours of credit
<b>MANDATORY</b> Attempt the following unit of competency				
CPCPCM2023A	Carry out OHS requirements	nil	core	20
<b>Total HSC indicative hours for mandatory units of competency</b>				<b>20</b>

<b>ELECTIVE</b>				
120-hour course – attempt units of competency to a minimum of <u>100</u> HSC indicative hours				
240-hour course – attempt units of competency to a minimum of <u>220</u> HSC indicative hours				
360-hour course – attempt units of competency to a minimum of <u>340</u> HSC indicative hours				
CPCCCM2008A	Erect and dismantle restricted height scaffolding	CPCCOHS2001A	elective	20
CPCCCM2010A	Work safely at heights	CPCCOHS2001A	elective	20
CPCCCM3001B	Operate elevated work platforms	CPCCCM2010A CPCCOHS2001A	elective	10
CPCCOHS1001A	Work safely in the construction industry	nil	Required for induction training for construction work to allow entry to a construction worksite	10
CPCCOHS2001A	Apply OHS requirements, policies and procedures in the construction industry	nil	prerequisite	0
CPCCCST2005A	Carry out load slinging of off-site materials	CPCCOHS2001A	elective	5
CPCPCM2002A	Carry out interactive workplace communication	nil	core	10
CPCPCM2004A	Read plans and calculate plumbing quantities	nil	core	15
CPCPCM2011A	Apply first aid in the workplace	nil	core	10
CPCPCM2021A	Work effectively in the plumbing and services sector	CPCPCM2023A	core	15
CPCPCM2025A	Handle and store plumbing materials	CPCPCM2023A	core	15
CPCPCM2026A	Use plumbing hand and power tools	CPCPCM2023A	core	20
CPCPCM2027A	Carry out levelling	CPCPCM2023A	core	10
CPCPCM2028A	Cut and join sheet material	CPCPCM2023A	elective	15

\* See qualification packaging rules for specific details.

<b>Unit code</b>	<b>Unit title</b>	<b>Unit-specific prerequisite</b>	<b>Status for AQF VET qualification*</b>	<b>HSC indicative hours of credit</b>
CPCPCM2029A	Cut using oxy-LPG-acetylene equipment	CPCPCM2023A	elective	10
CPCPCM2030A	Mark out materials	CPCPCM2023A	core	15
CPCPCM2032A	Weld using oxy-acetylene equipment	CPCPCM2023A	core	15
CPCPCM2033A	Weld using arc welding equipment	CPCPCM2023A	core	25
CPCPCM2034A	Carry out simple concreting and rendering	CPCPCM2023A	core	15
CPCPCM2035A	Work safely on roofs	CPCPCM2023A	core	20
CPCPCM3011A	Flash penetrations through roofs and walls	CPCPCM2023A	core	15
CPCPCM3012A	Weld plastic pipe using fusion method	CPCPCM2023A	core	5
CPCPCM3013A	Fabricate and install non-ferrous pressure piping	CPCPCM2023A	core	15
CPCPDR2012A	Install domestic treatment plants	CPCPCM2023A	elective	15
CPCPFS3011A	Fabricate and install fire hydrant and hose reel systems	CPCPCM2023A	core	35
CPCPFS3017A	Install domestic and residential life safety sprinkler systems	CPCPCM2003A	elective	20
CPCPMS3014A	Install medical gas pipeline systems	CPCPCM2023A	elective	15
CPCPWT3010A	Connect and install storage tanks to a domestic water supply	CPCPCM2023A	core	15
CPCPWT3011A	Set out and install water services	CPCPCM2023A	core	25
CPCPWT3012A	Install and adjust water service controls and devices	CPCPCM2023A	core	10
CPCPWT3013A	Install and commission water heating systems	CPCPCM2023A	core	20
CPCPWT3014A	Install and maintain domestic water treatment equipment	CPCPCM2023A	elective	15
CPCPWT3015A	Install water pump sets	CPCPCM2023A	core	10
CPCPWT3016A	Fit off and commission hot and cold water services	CPCPCM2023A	core	10

\* See qualification packaging rules for specific details.

Unit code	Unit title	Unit-specific prerequisite	Status for AQF VET qualification*	HSC indicative hours of credit
CPCPWT3017A	Connect irrigation systems from drinking water supply	CPCPCM2023A	core	5
CPCPWT3018A	Install water service	CPCPCM2023A	elective	10
CPCPWT3019A	Install water pipe systems	CPCPCM2023A	elective	15
RIICCM210A	Install trench support	nil	elective	20

\* See qualification packaging rules for specific details.

**Total HSC indicative hours**

**120 or  
240 or  
360**

## AQF VET qualification

To attain Certificate III in Plumbing (CPC32411) students must achieve:

- a) Stream 1 Water (24 core units and 5 elective units of competency from the water stream)
- b) Stream 2 Sanitary (6 core units and 4 elective units of competency from the sanitary stream)
- c) two (2) of the other four (4) streams (Drainage, Mechanical services, Roofing, Gas services).

(See qualification packaging rules for specific details.)

Note: Units of competency achieved in one stream count as credit for the same unit in the core or elective requirements for any other stream.