

## Plumbing (Urban Irrigation)

BOS course name	Pattern of study	BOS course number	Schools Online (Administration) entry advice
Plumbing (300 hours)	2 units x 2 years	tba (school/private provider delivered)	Enter this course number in both Preliminary (Year 11) and HSC (Year 12)
		41117 (TAFE NSW delivered)	
	<b>and</b>		
	1 unit x 1 year	tba (school/private provider delivered)	Enter this course number in either Preliminary (Year 11) or HSC (Year 12) depending on pattern of delivery
41115 (TAFE NSW delivered)			

<b>AQF VET qualification</b>	Certificate II in Urban Irrigation (CPC20908)
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<b>Minimum work placement</b>	For school-based trainees mandatory work placement requirements are met through the on-the-job training component of the school-based traineeship.
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<b>Exclusions</b>	Plumbing (locally designed school/private provider and TAFE NSW delivered VET course) Roof Plumbing (locally designed school/private provider and TAFE NSW delivered VET course)
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*For TAFE NSW delivery only:*

<b>TAFE course name</b>	Urban Irrigation	<b>TAFE course number</b>	18784
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### 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 (300 indicative hours)

- accredited for a total of 5 units at the Preliminary and/or HSC level
- attempt all mandatory units of competency and elective units of competency to a minimum of 100 HSC indicative hours.

For a course to count 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 including access by students in Stage 5

This course is available to students undertaking a school-based traineeship.

In certain circumstances students in Stage 5 may access this Stage 6 VET course while also completing the requirements for the award of the School Certificate. 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	Compulsory (C) or elective (E) for AQF VET qualification	HSC indicative hours of credit
<b>MANDATORY</b> <b>Attempt ALL units of competency</b>				
CPCCOHS1001A	Work safely in the construction industry	nil	Required for induction training for construction work to allow entry to a construction worksite	10
CPCPCM2003A	Carry out OHS requirements	nil	C	15
CPCPCM2001A	Work effectively in the plumbing and services sector	CPCPCM2003A	C	15
CPCPCM2002A	Carry out interactive workplace communication	nil	C	10
CPCPCM2004A	Read plans and calculate plumbing quantities	nil	C	15
CPCPCM2005A	Handle and store plumbing materials	CPCPCM2003A	C	15
CPCPCM2006A	Use plumbing hand and power tools	CPCPCM2003A	C	20
CPCPCM2010A	Mark out materials	CPCPCM2003A	C	15
CPCPCM2011A	Apply first aid in the workplace	nil	C	10
CPCPCM2014A	Carry out simple concreting and rendering	CPCPCM2003A	C	15
CPCPFS2001A	Connect static storage tanks for fixed fire protection systems	CPCPCM2003A	C	10
CPCPIG2001A	Design domestic urban irrigation systems	CPCPCM2004A CPCPIG3001AC PCPWT3007A	C	20
CPCPIG3001A	Set out, install and commission irrigation systems	CPCPCM2003A CPCPCM2004A CPCPWT3007A	C	20
CPCPIG3002A	Install and commission domestic irrigation pumps	CPCPCM2003A CPCPCM2004A CPCPIG3001A CPCPWT3007A	C	10
<b>Total HSC indicative hours for mandatory units of competency</b>				<b>200</b>

Unit code	Unit title	Unit-specific prerequisite	Compulsory (C) or elective (E) for AQF VET qualification	HSC indicative hours of credit
<b>ELECTIVE Attempt units of competency to a minimum of <u>100</u> HSC indicative hours</b>				
BCCCM1001C	Follow OH&S policies and procedures	nil	pre-requisite	0
CPCCOHS2001A	Apply OHS requirements, policies and procedures in the construction industry	nil	pre-requisite	0
CPCPCM2007A	Carry out levelling	CPCPCM2003 CPCPCM2004A	E	10
CPCPCM2008A	Cut and join sheet metal	CPCPCM2003 CPCPCM2010A	E	15
CPCPCM2009A	Cut using oxy-LPG-acetylene equipment	CPCPCM2003A	E	10
CPCPCM2012A	Weld using oxy-acetylene equipment	CPCPCM2003 CPCPCM2010A	E	15
CPCPCM2013A	Weld using arc welding equipment	CPCPCM2003A	E	25
CPCPCM3002A	Weld plastic pipe using fusion method	CPCPCM2003A	E	5
CPCPRF2003A	Collect and store roof water	CPCPCM2003A	E	10
CPC CST2005A	Carry out load slinging of off-site materials	CPCCOHS2001A	E	5
CPCPWT3005A	Install water pump sets	CPCPCM2003A	E	10
CPCPWT3007A	Connect irrigation systems from drinking water supply	CPCPCM2003A	E	5
CPCWT3008A	Install water service	CPCPCM2003A CPCPCM2004A	E	10
CPCPWT3009A	Install water pipe systems	CPCPCM2003A	E	15
BCCCM2010B	Install trench support	BCGCM1001C	E	20
<b>Total HSC indicative hours</b>				<b>300</b>

### AQF VET qualification

To attain Certificate II in Urban Irrigation (CPC20908) students must achieve 20 units of competency including:

- a) 13 compulsory units of competency
- b) 7 elective units of competency.