

Programme Name	Certificate IV in Plumbing and Sheet Metal
Programme Description	<p>1.This course provides opportunities for students to develop relevant technical, vocational and interpersonal competencies suitable for employment and further training. They can also develop skills, knowledge and experiences - such as teamwork, communication and occupational health and safety- that are transferable to other industries.</p> <p>2. The range of skills and knowledge in the Plumbing and Sheet metal trade industries has increased and will continue to increase. New technologies are constantly replacing recent ones so there is a great need for people involved at any level in the production or use of them to be adaptable. Students and workers need to be able to acquire knowledge quickly and to develop and apply new skills effectively. These skills are transferable so can be used across a wide range of trades and industries. It is also important to maintain traditional skills and attitudes used with older technologies where they underpin and support the newer technologies.</p> <p>3. There is an increasing tendency for workers to have several career changes during their lifetime and there are pressures on people to extend their working lives. These changes require retraining that may be funded by industry, but is very often the responsibility of the individual. This course provides student with the best possible base for lifelong learning and for pursuing relevant career choices.</p>
Majors	Plumbing and Sheet Metal
Minimum Requirements	Successful Completion of Year 12 (Form 6) with a 50% or more marks in English or Completion of Certificate III programme or equivalent/ appropriate experience for mature applicants
Duration	2 Years, including 1 year of Industrial Attachment.
Programme Type	Certificate
College Name	College of Engineering Science and Technology
Campus	Samabula (Derrick)
Credit Points	120

Programme		
Course Code	Course Title	Credit Points
	Quarter 1	
OHS301	Occupational, Health & Safety	5
PSM315	Applied Materials	5
PSM316	Cold Water Theory A	5
PSM313	Cold Water Practice	5
PSM314	Plumbing and Sheet metal Drawing	5
COM303	Introduction to Communication Literacy	5
	Quarter 2	
PSM317	Craft Science for Construction 1	5
PSM322	Gas and Arc Welding	5
PSM323	Sheetmetal Theory	5
PSM324	Sheetmetal Practice	5
PSM325	Trade Calculation	5
ETH301	Fundamentals of Ethical Practice	5
	Quarter 3	
PSM425	Gas Services	5
PSM426	Cold Water Theory B	5
PSM427	Hot Water Theory A	5
PSM428	Hot Water Practice	5
PSM429	Above Ground Drainage Theory	5
PSM430	Design and Calculations	5
	Quarter 4	
PSM431	Roof Work Theory	5
PSM432	Roof Work Practice	5
PSM433	Below Ground Drainage	5
PSM434	Sanitation & Drainage Practice	5
PSM435	Hot Water Theory B	5
PSM436	Project - Building Services	5
	<ol style="list-style-type: none"> 1. [E]-Examinable unit-otherwise-non-examinable. 2. MER-Minimum Entry Requirement 3. Total Credit Points for the Programme is ninety (120). 4. Satisfactory industrial report from the supervisor 5. A mandatory industrial attachment of 1 year is required at a plumbing and sheetmetal industry. 	
	Total Credit Points	120

Course Prerequisite

Course Code	Course Title	Prerequisite
OHS301	Occupational, Health & Safety	MER
PSM315	Applied Materials	MER
PSM316	Cold Water Theory A	MER
PSM313	Cold Water Practice	MER
PSM314	Plumbing and Sheetmetal Drawing	MER
COM303	Introduction to Communication Literacy	MER
PSM317	Craft Science for Construction 1	PSM315
PSM322	Gas and Arc Welding	OHS301
PSM323	Sheetmetal Theory A	PSM314
PSM324	Sheetmetal Practice A	PSM 314
PSM325	Trade Calculation 1	MER
ETH301	Fundamentals of Ethical Practices	MER
PSM425	Gas Services	PSM322
PSM426	Cold Water Theory B	PSM316
PSM427	Hot Water Theory A	PSM313
PSM428	Hot Water Practice	PSM313
PSM429	Above Ground Drainage Theory	PSM325
PSM430	Design and Calculations	PSM325
PSM431	Roof Work Theory	PSM323
PSM432	Roof Work Practice	PSM324
PSM433	Below Ground Drainage	PSM429
PSM434	Sanitation & Drainage Practice	PSM429
PSM435	Hot Water Theory B	PSM427
PSM436	Project - Building Services	PSM430