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| Programme Name | Certificate IV in Plumbing and Sheet Metal |
| Programme Description | <p>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 | <p>a) Successful Completion of Year 12 or Form 6. (Pass in English & Math's) or</p> <p>(b) Indentured applicants with less than the above requirements but at least two years industrial experience can be considered. or</p> <p>(c) A pass in Plumbing & Sheetmetal Level III. Students will be exempted from first two Quarters and directly eligible to enrol in from Quarter 3.</p> |
| Duration | 1 Year |
| Programme Type | Certificate |
| College Name | College of Engineering Science and Technology |
| Campus | Samabula (Derrick) |
| Credit Points | 120 |

| Programme Structure | | |
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| Course Code | Course Title | Credit Points |
| | Year 1 Quarter 1 | 5 |
| OHS 301 | Occupational, Health & Safety | 5 |
| PSM 315 | Applied Materials | 5 |
| PSM 316 | Cold Water Theory A [E] | 5 |
| PSM 313 | Cold Water Practice | 5 |
| PSM 314 | Plumbing and Sheet metal Drawing | 5 |
| COM 301 | Technical Communication [E] | 5 |
| | Year 1 Quarter 2 | |
| PSM317 | Craft Science for Construction 1 [E] | 5 |
| PSM 322 | Gas and Arc Welding | 5 |
| PSM 323 | Sheetmetal Theory A [E] | 5 |
| PSM 324 | Sheetmetal Practice A | 5 |
| PSM 325 | Trade Calculation 1 [E] | 5 |
| ETH301 | Ethics Values and Governance | 5 |
| | Year 1 Quarter 3 | |
| PSM 411 | Gas Services | 5 |
| PSM 412 | Cold Water Theory B [E] | 5 |
| PSM 413 | Hot Water Theory A [E] | 5 |
| PSM 414 | Hot Water Practice | 5 |
| PSM 415 | Above Ground Drainage Theory [E] | 5 |
| PSM 416 | Design and Calculations [E] | 5 |
| | Year 1 Quarter 4 | |
| PSM 421 | Roof Work Theory [E] | |
| PSM 422 | Roof Work Practice | |
| PSM 423 | Below Ground Drainage [E] | |
| PSM 424 | Sanitation & Drainage Practice | |
| PSM 425 | Hot Water Theory B [E] | |
| PSM 426 | Plumbing Quantities | |
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| | <i>Industrial Training (6 months relevant on-the-job training in any field of Plumbing and Sheet Metal from reputable Plumbing and Sheet Metal firm in Fiji or overseas during the course of study)</i> | |
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| | Total Credit Points | 120 |

Course Prerequisite

| Course Code | Course Title | Prerequisite |
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| OHS 301 | Occupational, Health & Safety | Year 11/Level 2 |
| PSM 311 | Applied Materials | Year 11/Level 2 |
| PSM 312 | Cold Water Theory A [E] | Year 11/Level 2 |
| PSM 313 | Cold Water Practice | Year 11/Level 2 |
| PSM 314 | Plumbing and Sheetmetal Drawing | Year 11/Level 2 |
| COM 301 | Technical Communication [E] | Year 11/Level 2 |
| PSM321 | Craft Science for Construction 1 [E] | PSM 311 |
| PSM 322 | Gas and Arc Welding | OHS301 |
| PSM 323 | Sheetmetal Theory A [E] | PSM 311 |
| PSM 324 | Sheetmetal Practice A | PSM 314 |
| PSM 325 | Trade Calculation 1 [E] | Year 11 |
| ETH301 | Ethics Values and Governance | MER |
| PSM 411 | Gas Services | PSM322 |
| PSM 412 | Cold Water Theory B [E] | PSM321 |
| PSM 413 | Hot Water Theory A [E] | PSM321 |
| PSM 414 | Hot Water Practice | PSM325 |
| PSM 415 | Above Ground Drainage Theory [E] | PSM325 |
| PSM 416 | Design and Calculations [E] | PSM325 |
| PSM 421 | Roof Work Theory [E] | PSM416 |
| PSM 422 | Roof Work Practice | PSM416 |
| PSM 423 | Below Ground Drainage [E] | PSM415 |
| PSM 424 | Sanitation & Drainage Practice | PSM415 |
| PSM 425 | Hot Water Theory B [E] | PSM413 |
| PSM 426 | Plumbing Quantities | PSM416 |
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