



WESTERN AUSTRALIAN
COLLEGE of AGRICULTURE

Morawa

An Independent Public School

CERTIFICATE II IN ENGINEERING PATHWAYS

NATIONAL ID: MEM20422

This qualification is intended for people interested in exposure to an engineering or related working environment with a view to entering into employment in the area. It will equip graduates with knowledge and skills which will enhance their prospects of employment in an engineering or related working environment. This qualification delivers broad-based underpinning skills and knowledge in a range of engineering and manufacturing tasks which will enhance the graduates' entry-level employment prospects for apprenticeships, traineeships or general employment in an engineering-related workplace.



Engineering Pathways

Students learn under the direction of a qualified and experienced trade trainer in an up to date and safe workshop environment. Under supervision students are well placed to enter the industry. This leads to opportunities in:

- Fabrication Production (Aluminium, Die Casting, Foundry)
- Production (sheet metal and general fabrication)
- Production welder (light/heavy)
- Boilermaker
- Composite Tradesperson
- Certificate III, Certificate IV or Diploma

Costs

Please refer to the Contributions and Charges information booklet.

Duration

3 Years, half day per week (year 10 to 12)

2 Years, half day per week (year 11 to 12)

Resources

- High-vis VET uniform
- Clear safety glasses
- No jewellery, or jewellery to be taped down
- Hair tied up off the shoulders

Entry Requirements

There are no entry licensing, legislative or certification requirements that apply to this qualification.

Students that have not achieved a band 8 in their year 9 NAPLAN will be required to sit the Department of Education OLNA (Online Literacy & Numeracy Assessment) to determine the appropriate student supports if required.

Skills/Units

To attain this qualification, you are required to successfully complete 12 units of competency, 5 core and 7 elective units.

CORE UNITS - 116 HOURS		
NATIONAL ID	UNIT TITLE	NOMINAL HOURS
MEMI3015	WORK SAFELY AND EFFECTIVELY IN MANUFACTURING AND ENGINEERING	6
MEMPE005	DEVELOP A CAREER PLAN FOR THE ENGINEERING AND MANUFACTURING INDUSTRIES	10
MEMPE006	UNDERTAKE A BASIC ENGINEERING PROJECT	60
MSMENV222	PARTICIPATE IN ENVIRONMENTALLY SUSTAINABLE WORK PRACTICES	20
ELECTIVE UNITS - 151 HOURS		
MEMI1011	UNDERTAKE MANUAL HANDLING	20
MEMI6006	ORGANISE AND COMMUNICATE INFORMATION	20
MEMPE001	USE ENGINEERING WORKSHOP MACHINES	34
MEMPE002	USE ELECTRIC WELDING MACHINES	20
MEMI8002	USE POWER TOOLS/HAND HELD OPERATIONS	10
MEMPE004	USE FABRICATION EQUIPMENT	20
MEMI80001	USE HAND TOOLS	20
MSMSUP106	WORK IN A TEAM	27

Certification

Upon successful completion, students will be issued with a qualification. If deemed not competent students will obtain a Statement of Attainment.

Nominal Hours

Students are required to complete the nominal hours provided to be deemed competent in this certificate.

