



## MEM20413 Certificate II in Engineering Pathways



### Course Description

This course delivers a range of engineering skills fundamental to a range of engineering career pathways. It also provides the student with the trade like skills and knowledge required of workers employed in a range of different engineering related fields.

The learning program will be centred around a student completing a major project, within the time frame of the program.

*Achievement of competence in units* MEM13014A Apply principles of occupational health and safety in a work environment, MSAPMSUP106A Work in a team, MEM16006A Organise and communicate information, MSAENV272B Participate in environmentally sustainable work practices, MEM18001C Use hand tools and MEM18002B Use power tools/hand held operations will provide credit towards a range of manufacturing and engineering trade and production qualifications.

### Potential Career Pathways

Whilst the WA College of Agriculture-Morawa offers these courses in the context of skills needed in the agricultural field, there are a number of potential career pathways available through this course –

- Engineering Apprentice
- Trade Assistant, Boilermaker
- Sheet Metal Worker
- Mechanical Fitter
- Fitter Machinist
- Diesel Fitter

### Costs

Costs are outlined further on the Information Tab.

### Skills/Units

Upon completion of this course, you will have completed the following 12 units of competency:

MEM13014A	Apply principles of occupational health and safety in the work environment
MEMPE005A	Develop a career plan for the engineering and manufacturing industry
MEMPE006A	Undertake a basic engineering project
MSAENV272B	Participate in environmentally sustainable work practices
MEM16006A	Organise and communicate information
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
MEMPE001A	Use engineering workshop machines
MEMPE002A	Use electric welding machines
MEMPE003A	Use oxy-acetylene and soldering equipment
MEMPE004A	Use fabrication equipment
MSAPMSUP106A	Work in a team

### Entry Requirements

There are no Entry Requirements for this course.

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.

### Further Information

For further information to [www.training.gov.au](http://www.training.gov.au)