



Training and Development Provider

COURSE CODE: MEM10105
Certificate I Metal Engineering
FULL YEAR

Available to: Years 10, 11 and 12
Length: Full Year
Accreditation: 40 SACE Credits - Stage 1

The Metal and Engineering Curriculum Framework is designed to enable students to acquire a range of technical, personal and organisational skills valued both within and beyond the workplace. Students will also acquire underpinning skills and knowledge related to functional areas within the manufacturing, engineering and related service industries.

The huge Training Centre boasts state of the art industrial machines and equipment. An adjacent computer room enables students to access interactive on-line training materials for theoretical components of the course.

Aspects to consider:

- Competency based assessment will be undertaken in a simulated work place environment in the classroom
- Students gain SACE units and National Accreditation
- Genuine interest in developing skills in the Metal Engineering Industry
- Students must be prepared to complete their study one full day per week conducted off campus in conjunction with the partnership schools from **8.30am to 4.30pm**
- Students develop independent learning skills
- Competency based assessment takes place in the work place
- Cost (see your VET Coordinator)

Content:

- MEM5.5B - Carry out mechanical cutting – 20 hours
- MEM5.4C - Perform routine oxy acetylene welding – 20 hours
- MEM7.32B - Use workshop machines for basic operations – 20 hours
- MEM3.3B - Perform sheet & plate assembly – 20 hours
- MEM12.23A - Perform Engineering measurements – 30 hours
- MEM18.1C - Use hand tools – 20 hours
- MEM18.2B - Use power tools/hand held operations – 20 hours
- MEM12.24A - Perform computations – 30 hours
- MEM5.12C - Perform routine manual metal arc welding – 20 hours
- MEM5.7C - Perform manual heating and thermal cutting – 20 hours
- MEM13.14B - Apply principles of occupational health & safety in the workshop – 10 hours
- MEM14.4A - Plan to undertake a routine task – 18 hours
- MEM15.24A - Apply quality procedures – 18 hours
- MEM16.7A - Work with others in a manufacturing, engineering or related environment – 18 hours

Assessment:

Competency based activities & practical assessments

Qualifications gained:

Certificate I in Engineering - MEM10105

Course pathways:

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Contact: School VET Coordinator