

MEM30319A

CERTIFICATE III IN ENGINEERING

FABRICATION TRADE
SHEET METAL



This qualification covers the skills and knowledge required for employment as an Engineering Tradesperson - Fabrication within the metal, engineering, manufacturing and associated industries or other industries where Engineering Tradespersons - Fabrication work.

The qualification has been specifically developed to meet the needs of apprentices in the above trade. The qualification packaging has been developed on an assumption that competency will be developed through an integrated combination of on and off-the-job learning strategies such as those delivered through a formal apprenticeship. The qualification may also be achieved through formal skills recognition assessment processes.

Study Mode	Workplace & Online
Duration of Course	Up to 48 Months
Total Units	29 [12 Core & 17 Electives]



Entry Requirements



Minimum Age

You will need to be at least 16 years old. If you are under 18 your enrolment form will need to be signed by a parent or guardian.



Requirements

You will need to have access to a Lap Top or Desk Top Computer with working speakers or headphones and a suitable, reliable internet connection.



Career Outcomes

Sheet Metal Worker

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Pathways To Further Study

Certificate IV in Engineering

Course Units

Core:

- | | |
|---|---|
| MEM11011 Undertake manual handling | MEM12023 Perform engineering measurements |
| MEM13015 Work safely and effectively in manufacturing and engineering | MEM16006 Organise and communicate information |
| MEM17003 Assist in the provision of on-the-job training | MEM18001 Use hand tools |
| MSMENV272 Participate in environmentally sustainable work practices | MEM09002 Interpret technical drawing |
| MEM12024 Perform computations | MEM16008 Interact with computing technology |
| MEM18002 Use power tools/handheld operations | MEM14006 Plan work activities |

Elective:

- MEM13003 Work safely with industrial chemicals and materials
- MEM05005 Carry out mechanical cutting
- MEM05007 Perform manual heating and thermal cutting
- MEM05051 Select welding processes
- MEM05052 Apply safe welding practices
- MEM05050 Perform routine gas metal arc welding
- MEM05049 Perform routine gas tungsten arc welding
- MEM05017 Weld using gas metal arc welding process
- MEM05019 Weld using gas tungsten arc welding process
- MEM05037 Perform geometric development
- MEM12007 Mark off/out structural fabrications and shapes
- MEM03003 Perform sheet and plate assembly
- MEM05011 Assemble fabricated components
- MEM05010 Apply fabrication, forming and shaping techniques
- MEM05012 Perform routine manual metal arc welding
- MEM08010 Manually finish/polish materials
- MEM15004 Perform inspection

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