

MEM30305G CERTIFICATE III IN ENGINEERING

FABRICATION TRADE -
LIGHT FABRICATION
[SHEET METAL]

Study With Axial Training To Get The
Skills and Succeed



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	12 + [12 Core & Elective Points - see over]



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:

MEM13014A	Apply principles of OH&S in the work environment.	MEM15002A	Apply quality systems.
MEM15024A	Apply quality procedures.	MEM14005A	Plan a complete activity.
MEM16007A	Work with others in a manufacturing, engineering or related environment.	MEM14004A	Plan to undertake a routine task.
MEM16006A	Organise and communicate information.	MEM16008A	Interact with computing technology.
MSAENV272B	Participate in environmentally sustainable work practices.	MEM12023A	Perform engineering measurements.
MEM17003A	Assist in the provision of on the job training.	MEM12024A	Perform computations.

[Elective A at least 40 points, A+B at least 73 points]

Elective A:

MEM18001C	Use hand tools.	2 pts
MEM18002B	Use power tools/hand held operations.	2 pts
MEM09002B	Interpret technical drawing.	4 pts
MEM05050B	Perform routine gas metal arc welding.	2 pts
MEM05049B	Perform routine gas tungsten arc welding.	2 pts
MEM05006C	Perform brazing and or silver soldering.	2 pts
MEM05051A	Select welding processes.	2 pts
MEM05052A	Apply safe welding processes.	4 pts
MEM05005B	Carry out mechanical cutting.	2 pts
MEM05007C	Perform manual heating and thermal cutting.	2 pts
MEM03003B	Perform sheet and plate assembly.	4 pts
MEM08010B	Manually finish/polish materials.	6 pts
MEM05017D	Weld using gas metal arc welding process.	4 pts
MEM05019D	Weld using gas tungsten arc welding process.	4 pts
MEM05010C	Apply fabrication, forming and shaping techniques.	8 pts
MEM05011D	Assemble fabricated components.	8 pts
MEM05037C	Perform geometric development.	6 pts
MEM12007D	Mark off/out structural fabrications and shapes.	4 pts

Elective B :

MEM13003B	Work safely with industrial chemicals and materials	2 pts
MEM15004B	Perform inspection.	2 pts
MEM11011B	Undertake manual handling.	2 pts

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33 Brandl Street, Eight Mile Plains 4113
382 Sturt St, Townsville 4810
www.axial.edu.au