

# MEM30319D CERTIFICATE III IN ENGINEERING

## FABRICATION TRADE - BOILERMAKING / WELDING

Study With Axial Training To Get The Skills and Succeed



This course is for those employed as an apprentice in the manufacturing, engineering and related industry areas.

Apprentices will acquire skills and knowledge in workplace communication, workplace health and safety, quality procedures systems and planning, engineering measurement, computations and computer technology.

Industry-specific skills in welding and boiler making that are relevant to either current or intended employment will also be taught.

<b>Study Mode</b>	Workplace & Online
<b>Duration of Course</b>	Up to 48 Months
<b>Total Units</b>	29 [12 Core & 17 Elective]



### 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

- Steel Fabricator
- Welder
- Boilermaker

# MEM30319D

## CERTIFICATE III IN ENGINEERING

FABRICATION TRADE -  
BOILERMAKING / WELDING



### 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
- MEM05012 Perform routine manual metal arc welding
- MEM05050 Perform routine gas metal arc welding
- MEM05049 Perform routine gas tungsten arc welding
- MEM05015 Weld using manual metal arc welding process
- 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
- MEM05036 Repair, replace and/or modify fabrications

connect with us for more



33 Brandl Street, Eight Mile Plains 4113  
382 Sturt St, Townsville 4810  
[www.axial.edu.au](http://www.axial.edu.au)