



# MEM30219B CERTIFICATE III IN ENGINEERING

## MECHANICAL TRADE FITTING AND MACHINING

Study With Axial Training To Get The Skills and Succeed



The MEM30219B Certificate III in Engineering - Mechanical Trade (Maintenance - Fitting and Machining) qualification defines the skills and knowledge required of an Engineering Tradesperson - Mechanical within metal, engineering,

manufacturing and associated industries. The qualification has been specifically developed for apprentices in the above trade. The qualification packaging has been developed on an assumption that competency will be developed through a 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

<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



#### Employment

This accredited qualification is delivered as an Australian Apprenticeship.

Accordingly, you will need employment as an Apprentice at a suitable employer with a nominated Supervisor who holds this qualification (or recognised equivalent).



#### 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

- Fitter Machinist
- Fitter and Turner
- Mechanical Fitter
- Maintenance Fitter





# MEM30219B

## CERTIFICATE II IN ENGINEERING

MECHANICAL TRADE -  
FITTING AND MACHINING



### 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 :

- MEM18003 Use tools for precision work
- MEM07005 Perform general machining
- MEM18055 Dismantle, replace and assemble engineering components
- MEM18006 Perform precision fitting of engineering components
- MEM18005 Perform fault diagnosis, installation and removal of bearings
- MEM18007 Maintain and repair mechanical drives and mechanical transmission assemblies
- MEM18009 Perform precision levelling and alignment of machines and engineering components
- MEM18004 Maintain and overhaul mechanical equipment
- MEM18011 Shut down and isolate machines/equipment
- MEM12006 Mark off/out (general engineering)
- MEM07015 Set computer controlled machines and processes
- MEM07016 Set and edit computer controlled machines and processes
- MEM05005 Carry out mechanical cutting
- MEM07006 Perform lathe operations
- MEM07007 Perform milling operations
- MEM05012 Perform routine manual metal arc welding
- MEM05050 Perform routine gas metal arc welding

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