

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

Study Mode	Workplace & Online
Duration of Course	Up to 48 Months
Total Units	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

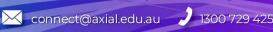
Fitter Machinist

Fitter and Turner

Mechanical Fitter

Maintenance Fitter













Pathways To Further Study

Certificate IV in Engineering

Course Units

Core:

MEM11011 Undertake manual handling

MEM13015 Work safely and effectively in manufacturing and engineering

MEM17003 Assist in the provision of on-the-job training

MSMENV272 Participate in environmentally sustainable work practices

MEM12024 Perform computations

MEM18002 Use power tools/handheld operations

MEM12023 Perform engineering measurements

MEM16006 Organise and communicate information

MEM18001 Use hand tools

MEM09002 Interpret technical drawing

MEM16008 Interact with computing technology

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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