

MEM30219D

CERTIFICATE III IN ENGINEERING

MECHANICAL TRADE - [FITTING]

Study With Axial Training To Get The Skills and Succeed



The MEM30219D Certificate III in Engineering - Mechanical Trade (Fitting) qualification defines the skills and knowledge required of an Engineering Tradesperson - Fitter.

Fitters assemble, maintain and repair machines, tools and equipment. They work closely with machinists, with a large amount of work carried out in a workshop or factory setting. The majority of learning for an apprentice fitter is hands-on and practical. The skills associated with this qualification are intended to apply to a wide range of mechanical trade work, including undertaking fitting, assembly, manufacture, installation, modification, testing, fault finding, maintenance and service of mechanical equipment, machinery and the use of machine tools.

Study Mode	Workplace & Online
Duration of Course	Up to 48 Months
Total Units	30 [12 Core & 18 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

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

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CERTIFICATE II IN ENGINEERING

MECHANICAL TRADE - FITTING



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
MEM05007	Perform manual heating and thermal cutting
MEM05012	Perform routine manual metal arc welding
MEM05049	Perform routine gas tungsten arc welding
MEM05050	Perform routine gas metal arc welding
MEM05005	Carry out mechanical cutting
MEM07005	Perform general machining
MEM12006	Mark off/out (general engineering)
MEM18055	Dismantle, replace and assemble engineering components
MEM18006	Perform precision fitting of engineering components
MEM18011	Shut down and isolate machines/equipment
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
MEM18012	Perform installation and removal of mechanical seals
MEM18018	Maintain pneumatic system components
MEM18020	Maintain hydraulic system components

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