

MEM30219

CERTIFICATE III IN ENGINEERING

MECHANICAL TRADE

Study With Axial Training To Get The Skills and Succeed



The MEM30219 Certificate III in Engineering – Mechanical Trade course defines the skills and knowledge required of an engineering tradesperson – mechanical within metal, engineering, manufacturing and associated industries. 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.

This qualification is designed to provide an industry recognised skills profile related to trade work as an Engineering Tradesperson - Mechanical

This training is subsidised by the NSW Government.

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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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 :

- MEM12002 Perform electrical/electronic measurement
- MEM12003 Perform precision mechanical measurement
- MEM18003 Use tools for precision work
- MEM07005 Perform general machining
- MEM18055 Dismantle, replace and assemble engineering components
- MEM07015 Set computer controlled machines and processes
- MEM07016 Set and edit computer controlled machines and processes
- MEM07018 Write basic NC and CNC programs
- MEM05005 Carry out mechanical cutting
- MEM05007 Perform manual heating and thermal cutting
- MEM12006 Mark off/out (general engineering)
- MEM18006 Perform precision fitting of engineering components
- MEM10002 Terminate and connect electrical wiring
- MEM18011 Shut down and isolate machines/equipment
- MEM07006 Perform lathe operations
- MEM07007 Perform milling operations
- MEM07008 Perform grinding operations
- MEM07010 Perform tool and cutter grinding operations

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