

# MEM30205B

## CERTIFICATE III IN ENGINEERING

### MECHANICAL TRADE - DIESEL FITTING

Study With Axial Training To Get The  
Skills and Succeed



The MEM30205B Certificate III in Engineering – Mechanical Trade course with a focus on Diesel Fitting is designed to offer students the opportunity to further their skills and experience repairing and maintaining a range of equipment driven by diesel engines including heavy earthmoving equipment.

This course is for individuals who work or would like to work as a Diesel Fitter whose duties include use of hand and power tools, planning work activities, interpret drawings, basic welding using a range of processes, use precision tools, diagnosis faults in components and bearings, tune diesel engine, and work on braking, steering and engine cooling system.

<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

Diesel Fitter  
Heavy Earthmoving Fitter (HEF)  
Diesel Mechanic

## Pathways To Further Study

Certificate IV in Engineering

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### Course Units

#### Core:

- MEM15002A Apply quality systems.
- MEM15024A Apply quality procedures.
- MEM16007A Work with others in a manufacturing, engineering or related environment.
- MEM14004A Plan to undertake a routine task.
- MEM14005A Plan a complete activity.
- MEM16006A Organise and communicate information.
- MEM16008A Interact with computing technology.
- MSAENV272B Participate in environmentally sustainable work practices.
- MEM12023A Perform engineering measurements.
- MEM12024A Perform computations.
- MEM17003A Assist in the provision of on the job training.

#### Elective:

- MEM18001C Use hand tools.
- MEM18002B Use power tools/hand held operations.
- MEM09002B Interpret technical drawing.
- MEM05050B Perform routine gas metal arc welding.
- MEM18003C Use tools for precision work.
- MEM18055B Dismantle, replace and assemble engineering components.
- MEM18028B Maintain engine lubrication systems.
- MEM18024B Maintain engine cooling systems.
- MEM18030B Diagnose and repair low voltage electrical systems.
- MEM18029B Tune diesel engine.
- MEM18026C Test compression ignition fuel systems.
- MEM18035B Diagnose and rectify braking systems.
- MEM18006C Repair and fit engineering components.
- MEM18005B Perform fault diagnosis, installation and removal of bearings.
- MEM18032B Maintain induction/exhaust systems.
- MEM18033B Perform engine bottom-end overhaul.
- MEM18034B Perform engine top-end overhaul.
- MEM18020B Maintain hydraulic system components.

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