

MEM31419

CERTIFICATE III IN ENGINEERING

FIXED AND MOBILE PLANT MECHANIC

Study With Axial Training To Get The Skills and Succeed



The MEM31419 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.

Study Mode	Workplace & Online
Duration of Course	Up to 48 Months
Total Units	26 [19 Core & 7 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 Laptop 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

MEM31419

CERTIFICATE III IN ENGINEERING

FIXED AND MOBILE PLANT MECHANIC



Pathways To Further Study

Certificate IV in Engineering

Course Units

Core:

- MEM13015 Work safely and effectively in manufacturing and engineering
- MEM16006 Organise and communicate information
- MEM16008 Interact with computing technology
- MEM11011 Undertake manual handling
- MEM12024 Perform computations
- MEM12023 Perform engineering measurements
- MSMENV272 Participate in environmentally sustainable work practices
- MEM14006 Plan work activities
- MEM18001 Use hand tools
- MEM18002 Use power tools/hand held operations
- MEM09002 Interpret technical drawing
- MEM18055 Dismantle, replace and assemble engineering components
- MEM27006 Diagnose and rectify batteries, low voltage sensors and circuits
- MEM17003 Assist in the provision of on-the-job training
- MEM27023 Diagnose and rectify fieldbus circuits in mobile and stationary plant and equipment
- MEM27019 Diagnose, repair and replace diesel engines in stationary and mobile plant
- MEM27020 Apply knowledge of large combustion engine operations to service and maintenance tasks
- MEM27016 Diagnose and maintain electronic controlling systems on mobile and stationary plant
- MEM27017 Maintain, fault find and rectify hydraulic systems for mobile plant

Elective:

- MEM12003 Perform precision mechanical measurement
- MEM27009 Diagnose and rectify braking systems
- MEM27008 Maintain induction, exhaust and emission control systems
- MEM18003 Use tools for precision work
- MEM18006 Perform precision fitting of engineering components
- MEM27030 Perform engine bottom-end overhaul
- MEM27031 Perform engine top-end overhaul

connect with us for more



33 Brandl Street, Eight Mile Plains 4113
382 Sturt St, Townsville 4810
www.axial.edu.au