

Diploma of Engineering –Advanced Trade (Mechanical & Diesel Fitting)

MEM50119

CRICOS Course Code: 100609

ANZCO - 321212

Overview:

This qualification provides the skills and knowledge required for employment as an advanced engineering tradesperson within the metal, engineering, manufacturing & associated industries as a Maintenance/Mechanical Fitter and/or Diesel Mechanic. Very practical in approach it allows for the development of key skills over time through the completion of job tasks in a simulated environment.



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Course Fees


TUITION: \$22,000

NON-TUITION: \$1,200
(materials, consumables, textbooks)

ENROLMENT FEE: \$400 (non-refundable)

TOTAL COURSE COST: \$23,600

 **Duration:**
2 years
Full Time 20 hours per week

 **Delivery Mode:**
Face to Face at Brendale
+160hrs industry placement



ASG Entry Requirements

Minimum age: 18 years
Academic suitability:

- Completion of Year 12 schooling or higher
- English proficiency at a minimum of IELTS 5.5 or equivalent

You also need to supply your own PPE - steel cap boots, long pants & high-viz shirt.

Qualification Pathway

MEM80112 Graduate Diploma of Engineering

Career Path

Diesel Fitter
Maintenance Fitter

Assessment

Assessment takes place at the end of each unit with a knowledge test and practical demonstration & throughout the course with a holistic project due at the end of each semester.

Certification

On successful completion you will be awarded the AQF Diploma of Engineering –Advanced Trade (Mechanical & Diesel Fitting) , or a Statement of Attainment in recognition of units achieved in partial completion.

Student Services

We offer a range of support services to assist you in achieving a successful course outcome. This includes tutorial support and Language, Literacy & Numeracy assistance where required. Please contact us to discuss any other individual needs.

Course Structure:

MEM09002 Interpret technical drawing

MEM11011 Undertake manual handling

MEM12023 Perform engineering measurements

MEM12024 Perform Computations

MEM12025 Use graphical techniques and perform simple statistical computations

MEM12026 Perform advanced trade calculations in a manufacturing, engineering, or related environment

MEM13015 Work safely and effectively in manufacturing and engineering

MEM14006 Plan work activities

MEM16006 Organise and communicate information

MEM16008 Interact with computing technology

MEM16009 Research and analyse engineering information

MEM16011 Communicate with individuals and small groups

MEM16012 Interpret technical specifications and manuals

MEM16014 Report technical information

MEM17003 Assist in the provision of on the job training

MEM18001 Use hand tools

MEM18002 Use power tools/handheld operations

MSMENV272 Participate in environmentally sustainability work practices

MEM05006 Perform brazing and/or silver soldering

MEM05007 Perform manual heating and thermal cutting

MEM12003 Perform precision mechanical cutting

MEM18003 Use tools for precision work

MEM18005 Perform fault diagnosis, installation, and removal of bearings

MEM18006 Perform precision fitting of engineering components

MEM18007 Maintain and repair mechanical drives and mechanical transmission assemblies

MEM18009 Perform precision levelling and alignment of machines and engineering components

MEM18010 Perform equipment condition monitoring and recording

MEM18011 Shut down and isolate machines/equipment

MEM18012 Perform installation and removal of mechanical seals

MEM18018 Maintain pneumatic system components

MEM18019 Maintain pneumatic systems

MEM18020 Maintain hydraulic system components

MEM18021 Maintain hydraulic systems

MEM18022 Maintain fluid power controls

MEM18055 Dismantle, replace, and assemble engineering components

MEM27002 Test and repair compression ignition systems

MEM27004 Maintain and repair engine lubrication systems

MEM27005 Tune Diesel engines

MEM27006 Diagnose and rectify batteries, low voltage sensors and circuits

MEM27007 Diagnose and rectify low voltage starting systems

MEM27008 Maintain induction, exhaust, and emission control systems

MEM27009 Diagnose and rectify braking systems

MEM27010 Diagnose and rectify low voltage charging systems

MEM27012 Maintain mobile plant suspension systems

MEM27013 Maintain steering system

MEM27015 Diagnose and rectify drive line and final drives