Job description
Fitters use tools, machines, equipment and engineering techniques to maintain and repair mechanical plant and equipment to operational standards.

Their job involves:
» identifying worn/faulty mechanical components and equipment
» repairing worn/faulty mechanical components and equipment
» replacing worn/faulty mechanical components and equipment
» conducting modifications.

Fitters may also:
» perform machining operations
» maintain hydraulic and pneumatic systems, and their components
» perform welding operations.

The qualification relevant to this job is MEM30205 Certificate III in Engineering - Mechanical Trade.

How will I be assessed?

Stage 1:
We will review your training and employment evidence to ensure you have:
» 5 years’ employment experience as a Fitter (with no formal training) OR
» 3 years’ employment experience as a Fitter (with relevant formal training*).

*Formal training’ is training that aligns with the national training standards in your country of training.

Your evidence must show you have worked in your occupation for at least 12 months within the last 3 years.

For more information on the documents required for Stage 1, see the Evidence Guide on our website.

Stage 2:
If you are successful in Stage 1, an assessor will assess you via a technical interview. The technical interview will be conducted in English and no interpreters are allowed.

For more information on Stage 2, see the Technical Interview Guide on our website.
What skills and knowledge do I need?

To be awarded the qualification MEM30205 Certificate III in Engineering - Mechanical Trade, you must demonstrate your skill and knowledge in a selection of the following units of competency. Each unit of competency defines a selection of knowledge and skill required in Australian workplaces.

You must demonstrate competency in all core units, and demonstrate competency in additional units to a total of at least 73 points (the number of points relating to each unit is shown in brackets).

These units have been organised into 6 groups as follows:

**CORE UNITS**

- MEM12023A  Perform engineering measurements (Core)
- MEM12024A  Perform computations (Core)
- MEM13014A  Apply principles of occupational health & safety in the work environment (Core)
- MEM14004A  Plan to undertake a routine task (Core)
- MEM14005A  Plan a complete activity (Core)
- MEM15002A  Apply quality systems (Core)
- MEM15024A  Apply quality procedures (Core)
- MEM16006A  Organise & communicate information (Core)
- MEM16007A  Work with others in a manufacturing, engineering or related environment (Core)
- MEM16008A  Interact with computing technology (Core)
- MEM17003A  Assist in the provision of on the job training (Core)
- MSAENV272B  Participate in environmentally sustainable work practices (Core)

**GENERAL OPERATIONS**

- MEM05005B  Carry out mechanical cutting* (2)
- MEM07001B  Perform operational maintenance of machines/equipment* (2)
- MEM09002B  Interpret technical drawing (4)
- MEM11010B  Operate mobile load shifting equipment (4)
- MEM11011B  Undertake manual handling (2)
- MEM12001B  Use comparison and basic measuring devices (2)
- MEM12003B  Perform precision mechanical measurements* (2)
- MEM12006C  Mark off/out general engineering* (4)
- MEM13003B  Work safely with industrial chemicals & materials (2)
- MEM18001C  Use hand tools (2)
- MEM18002B  Use power tools/hand held operations (2)
- MEM18003C  Use tools for precision work* (4)
- MEM18011C  Shut down & isolate machines / equipment (2)

**ENGINEERING OPERATIONS**

- MEM07032B  Use workshop machines for basic operations* (2)
- MEM18004B  Maintain & overhaul mechanical equipment* (4)
- MEM18005B  Perform fault diagnosis, installation and removal of bearings* (4)
- MEM18006C  Repair and fit engineering components* (6)
- MEM18007B  Maintain & repair mechanical drives & mechanical transmission assemblies* (4)
- MEM18009B  Perform a levelling & alignment of machines & engineering components* (4)
- MEM18010C  Perform equipment condition monitoring & recording* (4)
- MEM18012B  Perform installation and removal of mechanical seals* (2)
- MEM18055B  Dismantle, replace and assemble engineering components* (3)
ELECTIVES

You are required to provide evidence of your skills, knowledge and experience in at least ONE of the following elective areas as part of the assessment process.

MACHINING OPERATIONS

» MEM07005C  Perform general machining* (8)
» MEM07006C  Perform lathe operations* (4)
» MEM07007C  Perform milling operations* (4)
» MEM07008D  Perform grinding operations* (4)

HYDRAULICS / PNEUMATICS

» MEM18018C  Maintain pneumatic system components* (4)
» MEM18019B  Maintain pneumatic systems* (4)
» MEM18020B  Maintain hydraulic system components* (4)
» MEM18021B  Maintain hydraulic systems* (4)

WELDING

» MEM05007C  Perform manual heating and thermal cutting (2)
» MEM05008C  Perform advanced manual thermal cutting, gouging and shaping* (2)
» MEM05012C  Perform routine manual metal arc welding (2)
» MEM05049B  Perform routine gas tungsten arc welding (2)
» MEM05050B  Perform routine gas metal arc welding (2)
» MEM05051A  Select welding processes (2)
» MEM05052A  Apply safe welding practices (4)

NOTE: * indicates that a unit requires a pre-requisite/s.
How do I find out more about each unit of competency?

You are strongly encouraged to review each of the units of competency shown above. To do this:

1. Go to the following website: http://training.gov.au/Search/Training
2. Enter a unit code (e.g. MEM12023A) into the ‘Title or code’ search box
3. Tick the ‘Units of competency’ check box
4. Select the ‘Search’ button
5. Select the unit from the search results
6. Read the Unit of Competency information

What will I receive after the assessment?

If you successfully complete Stage 2 you will receive:

» an Australian Certificate III qualification and a Statement of Results
» a migration outcome letter if the assessment is to support your visa application.

If you are unsuccessful in Stage 2 you will be receive:

» a Statement of Attainment that lists the units of competency you successfully achieved
» a Statement of Results that lists units of competency you have successfully achieved and those that were not achieved.

Where can I find more information?


If you have further questions, contact us at:

📞 +61 3 9655 4801  📧 vetassess@vetassess.com.au