

Fact sheet

# Fitter (General)

(ANZSCO: 323211)



## 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 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?

Please refer to our website: <http://www.vetassess.com.au/skills-assessment-for-migration/trade-occupations>

If you have further questions, contact us at:

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