



# Fitter-Welder

ANZSCO Code: 323213

## Occupation Description:

Fitter-Welders fit, assemble and weld metal parts and subassemblies to fabricate production machines and other equipment.



## Their job involves:

- studying drawings and specifications to determine suitable material, method and sequence of operations, and machine settings.
- cutting, grinding and shaping metal and other materials using specialised tools and machinery.
- joining metal sections using various welding techniques.
- fitting fabricated metal parts into products and assembling metal parts and subassemblies to produce machines and equipment.
- checking fabricated and assembled metal parts for accuracy, clearance and fit using precision measuring instruments.
- cutting, threading, bending and installing hydraulic and pneumatic pipes and lines.
- diagnosing and repairing faults with tools and machinery and performing regular maintenance.

# How will I be assessed?

## Stage 1: Documentary Evidence Assessment

# 1

We will review your documentary evidence to ensure it meets the employment and training requirements and indicates that you have the necessary skills, knowledge and experience as a Fitter Welder.

You can find information about the employment, training, and document requirements below:

- For information on what evidence you need to include with your application, download the **Evidence guide**.
- If you are in pathway 1 you also need to find information on assessment for your specific occupation
  - **Video guide**
  - **Observation report**
- For information about the employment experience requirements for a Pathway 1 application, please refer to the **Pathway 1 Employment Experience Guidelines**.
- If you are applying for a Pathway 2 assessment, please read the **Pathway 2 Assessment Guide**.

## Stage 2: Technical Assessment

# 2

If you are successful in Stage 1, you will complete a technical assessment.

For more information about the technical assessment, see the **Pathway 1 Technical Assessment Guide** and **Pathway 2 Candidate Guide**.

# What skills and knowledge do I need?

The qualification relevant to this occupation is **MEM30219 Certificate III in Engineering – Mechanical Trade**. To be awarded this qualification, you must demonstrate your skills and knowledge in the following units of competency. Each unit of competency defines a selection of knowledge and skills required in Australian workplaces.

You must achieve 32 units of competency:

- > 12 core units.
- > 20 elective units.

## Core Units

| Code  | Title  |
|---|--|
| <b>Safety, communication and quality in engineering</b> |  |
| MEM13015  | Work safely and effectively in manufacturing and engineering |
| MEM16006  | Organise and communicate information*                        |
| MEM14006  | Plan work activities*  |
| MEM11011  | Undertake manual handling*                                   |
| MSMENV272   | Participate in environmentally sustainable work practices    |
| MEM17003  | Assist in the provision of on-the-job training*              |
| <b>Engineering measurements and tools</b>               |  |
| MEM12023  | Perform engineering measurements*                            |
| MEM12024  | Perform computations*  |
| MEM09002  | Interpret technical drawing*                                 |
| MEM16008  | Interact with computing technology*                          |
| MEM18001  | Use hand tools*  |
| MEM18002  | Use power tools/hand held operations*                        |

## Elective Units

| Code                                  | Title                                       |
|---------------------------------------|---|
| <b>Precision measurements</b>         |   |
| MEM12003                              | Perform precision mechanical measurement*   |
| MEM18003                              | Use tools for precision work*               |
| <b>Welding, heating and machining</b> |   |
| MEM12006                              | Mark off/out (general engineering)*         |
| MEM05005                              | Carry out mechanical cutting*               |
| MEM07005                              | Perform general machining*                  |
| MEM05007                              | Perform manual heating and thermal cutting* |
| MEM05012                              | Perform routine manual metal arc welding*   |
| MEM05050                              | Perform routine gas metal arc welding*      |

## 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>.
2. Enter a unit code (e.g. MSMWHS200) into the 'Title or code' search box.
3. Click on the 'NRT' button.
4. Click on the 'Search' button.
5. Read the Unit of Competency information.

## 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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