

# Fitter – Welder



# 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 and training requirements, and the documents required in the Pathway 1, Pathway 2 and Evidence guides on our website.

> [vetassess.com.au](https://vetassess.com.au)

### Stage 2: Technical Assessment

# 2

If you are successful in Stage 1, you will complete a technical interview with our assessor. The technical interview will be conducted in English and no interpreters are allowed.

For more information about the Technical Interview, see the Pathway 1 Technical Assessment Guide and Pathway 2 Candidate Guide on our website.

> [vetassess.com.au](https://vetassess.com.au)

## What skills and knowledge do I need?

The qualification relevant to this occupation is the **MEM30219 Certificate III in Engineering – Mechanical Trade**.

To be awarded this qualification, you must demonstrate your skills and knowledge in the units of competency listed in the table on the following pages. 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*

## 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:



**+61 3 9655 4801**



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## Elective Units (continued)

Code	Title
<b>Fitting</b>	
MEM18055	Dismantle, replace and assemble engineering components*
MEM18006	Perform precision fitting of engineering components*
MEM18005	Perform fault diagnosis, installation and removal of bearings*
MEM18007	Maintain and repair mechanical drives and mechanical transmission assemblies*
MEM18012	Perform installation and removal of mechanical seals*
MEM18009	Perform precision levelling and alignment of machines and engineering components*
MEM10006	Install machine/plant*
MEM18018	Maintain pneumatic system components*
MEM18020	Maintain hydraulic system components*
MEM16005	Operate as a team member to conduct manufacturing, engineering or related activities*

You must demonstrate competency in all core and elective units of competency and all of their pre-requisite units.

**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:**

- › Go to the following website:  
<http://training.gov.au/Search/>
- › Enter a unit code (e.g. MEM12024) into the search box
- › Click on the 'NRT' button
- › Click on the 'Search' button
- › Read the Unit of Competency information.

## What will I receive after the assessment?

**If you *successfully* complete Stage 2 you will receive:**

- › A Skills Assessment Result Letter to support your visa application.

**And if applying under Pathway 1:**

- › An Australian Certificate III qualification and a Statement of Results.

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

- › A Skills Assessment Result Letter

**And if applying under Pathway 1:**

- › A Statement of Attainment that lists the units of competency you have successfully achieved
- › A Statement of Results that lists the units of competency you have successfully achieved and those that were not achieved.

## Contact us

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