



Metal Fabricator

ANZSCO: 322311



Occupation Description

Metal Fabricators mark off and fabricate structural steel and other metal stock to make or repair metal products and structures.

Their job involves:

- » studying blueprints, drawings and specifications to determine job requirements

- » selecting, cleaning and preparing metal stock

- » cutting marked-out metal sections and shapes using hand tools, flame cutting torches and metal cutting machines

- » shaping and bending metal sections and pipes using hand and machine tools, and by heating and hammering

- » aligning parts to be joined using hand tools and measuring instruments

- » joining metal sections using various welding techniques, bolting and riveting

- » examining welds for width of bead, penetration and precision

- » finishing and cleaning products.

How will I be assessed?

Stage 1: Documentary Evidence Assessment

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 Metal Fabricator.

Pathway 1 non-licensed trades will need to provide additional documentary, video and photo evidence with their Documentary Evidence Assessment application.

You can find more information about the employment and training requirements, and the documents required in the Pathway 1, Pathway 2 and Evidence guides on our [website](#).

Stage 2: Technical Assessment

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

For more information about the technical interview, see the [Stage 2 Assessment Guide](#) on our website.

What skills and knowledge do I need?

The qualification relevant to this occupation is **MEM30319 Certificate III in Engineering – Fabrication Trade**.

To be awarded this qualification, you must demonstrate your skills and knowledge in the units of competency listed in the table on page 3. Each unit of competency defines a selection of knowledge and skills required in Australian workplaces.

You must achieve 30 units of competency:

- » 12 core units

- » 18 elective units.

Core Units

Safety, communication and quality in engineering

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
MEM16008	Interact with computing technology*
MEM17003	Assist in the provision of on-the-job training*
MEM12024	Perform computations*
MEM12023	Perform engineering measurements*

Engineering tools

MEM18001	Use hand tools*
MEM18002	Use power tools/hand held operations*
MEM09002	Interpret technical drawing*

Elective Units

MEM13003	Work safely with industrial chemicals and materials*
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Welding safety and processes

MEM05051	Select welding processes*
MEM05052	Apply safe welding practices*

Heating and cutting

MEM05005	Carry out mechanical cutting*
MEM05007	Perform manual heating and thermal cutting*
MEM12007	Mark off/out structural fabrications and shapes*
MEM05037	Perform geometric development*

Welding I

MEM05012	Perform routine manual metal arc welding*
MEM05049	Perform routine gas tungsten arc welding*
MEM05050	Perform routine gas metal arc welding*
MEM05056	Perform routine flux core arc welding*

Welding II (choose two units)

MEM05015	Weld using manual metal arc welding process*
MEM05019	Weld using gas tungsten arc welding process*
MEM05017	Weld using gas metal arc welding process*
MEM05047	Weld using flux core arc welding process*
MEM05014	Monitor quality of production welding/fabrications*

Fabricate components

MEM05010	Apply fabrication, forming and shaping techniques*
MEM05011	Assemble fabricated components*
MEM05036	Repair, replace and/or modify fabrications*
MEM18055	Dismantle, replace and assemble engineering components*

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/Training>
- » Enter a unit code (e.g. MEM12024) into the 'Title or code' search box
- » Tick the 'Units of competency' check box
- » Select the 'Search' button
- » Select the unit from the search results
- » 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.



Where can I find more information?

Please refer to our [website](#)

If you have further questions, contact us at:

- » Phone: +61 3 9655 4801
- » Email: tradeassess@vetassess.com.au

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