

ANZSCO Code: 322311

Metal Fabricator



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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

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 Metal Fabricator.

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

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.

> vetassess.com.au

What skills and knowledge do I need?

The qualification relevant to this occupation is the **MEM31922 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 below. 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
MEM17003	Assist in the provision of on-the-job training*

Engineering measurements and tools

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

Heating and cutting

MEM05005	Carry out mechanical cutting*
MEM05007	Perform manual heating and thermal cutting*

Welding safety and processes

MEM05051	Select welding processes*
MEM05085	Apply safe welding practices*

Routine welding

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 (choose two units)

MEM05090	Weld using manual metal arc welding process*
MEM05092	Weld using gas tungsten arc welding process*
MEM05091	Weld using gas metal arc welding process*
MEM05096	Weld using flux core arc welding process*

Welding inspection

MEM15004	Perform inspection*
MEM05014	Monitor quality of production welding/fabrications*

Elective Units

Fabrication and assembly

MEM12007	Mark off/out structural fabrications and shapes*
MEM05037	Perform geometric development*
MEM05010	Apply fabrication, forming and shaping techniques*
MEM05089	Assemble fabricated components*
MEM18055	Dismantle, replace and assemble engineering components*
MEM05094	Repair, replace and/or modify fabrications*

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.

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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