VETASSESS

Metal Fabricator

ANZSCO Code: 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 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, 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:
  - read the **Pathway 2 Assessment Guide.**
  - complete and submit **Observation report** with your application

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 the **MEM31925 Certificate III in Engineering – Fabrication Trade (Metal Fabricator)**. 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

Code	Title
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

Code	Title
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*
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*

Code	Title
MEM18055	Dismantle, replace and assemble engineering components*
MEM05094	Repair, replace and/or modify fabrications*

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

2. Enter a unit code (e.g. MSMWHS200) into the search box.

3. Click on the Nationally recognised training 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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