

Sheetmetal Trades Worker

ANZSCO Code: 322211

Occupation Description:

Sheetmetal Trades Workers mark out, shape, form and join Sheetmetal and other materials to make products and components.



Their job involves:

- > Studying blueprints, drawings and specifications to determine job, material and equipment requirements.
- > Selecting metal stock, such as stainless steel, galvanised iron, mild steel, aluminium and copper, and checking sizes, gauges and other dimensions of metal stock against specifications.
- Marking out metal stock with reference points and lines, using templates, gauges and other measuring instruments.
- Cutting metal stock along guidelines using hand and power shears, guillotines and drills.
- Shaping and forming cut metal stock into products using folding and bending machines, rollers, presses and hammers.
- > Fitting and assembling components into final products by welding, riveting, soldering, brazing and otherwise joining.
- > Finishing assembled products by polishing, filing, sanding and cleaning.

1

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 Sheetmetal Trades Worker.

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



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 **MEM31922 Certificate III in Engineering – Fabrication Trade (Sheetmetal working)**. 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 29 units of competency:

- > 12 core units
- > 17 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*	
MEM15004	Perform inspection*	
Welding (choose one unit)		
MEM05090	Weld using manual metal arc welding process*	
MEM05092	Weld using gas tungsten arc welding process*	
MEM05091	Weld using gas metal arc welding process*	
Fabrication and assembly		
MEM12007	Mark off/out structural fabrications and shapes*	
MEM05037	Perform geometric development*	
MEM07024	Operate and monitor machine and process	
МЕМ07028	Operate computer controlled machines and processes	
МЕМ05010	Apply fabrication, forming and shaping techniques*	
МЕМ05089	Assemble fabricated components*	
MEM18055	Dismantle, replace and assemble engineering components*	
MEM08010	Manually finish/polish materials*	

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:

\& +61 3 9655 4801