Sheet Metal Trades Worker

ANZSCO: 322211

VETASSESS

Occupation Description

Sheet Metal 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.

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 Sheet Metal Trades Worker.

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 29 units of competency:

» 12 core units

» 17 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*

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*

Operating machines

MEM07024	Operate and monitor machine and process*
MEM07028	Operate computer controlled machines and processes*
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*

Welding II (choose one unit)

MEM05019	Weld using gas tungsten arc welding process*
MEM05015	Weld using manual metal arc welding process*
MEM05017	Weld using gas metal arc welding process*

Fabricate components

MEM05010	Apply fabrication, forming and shaping techniques*
MEM05011	Assemble fabricated components*
MEM18055	Dismantle, replace and assemble engineering components*
MEM08010	Manually finish/polish materials*

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.
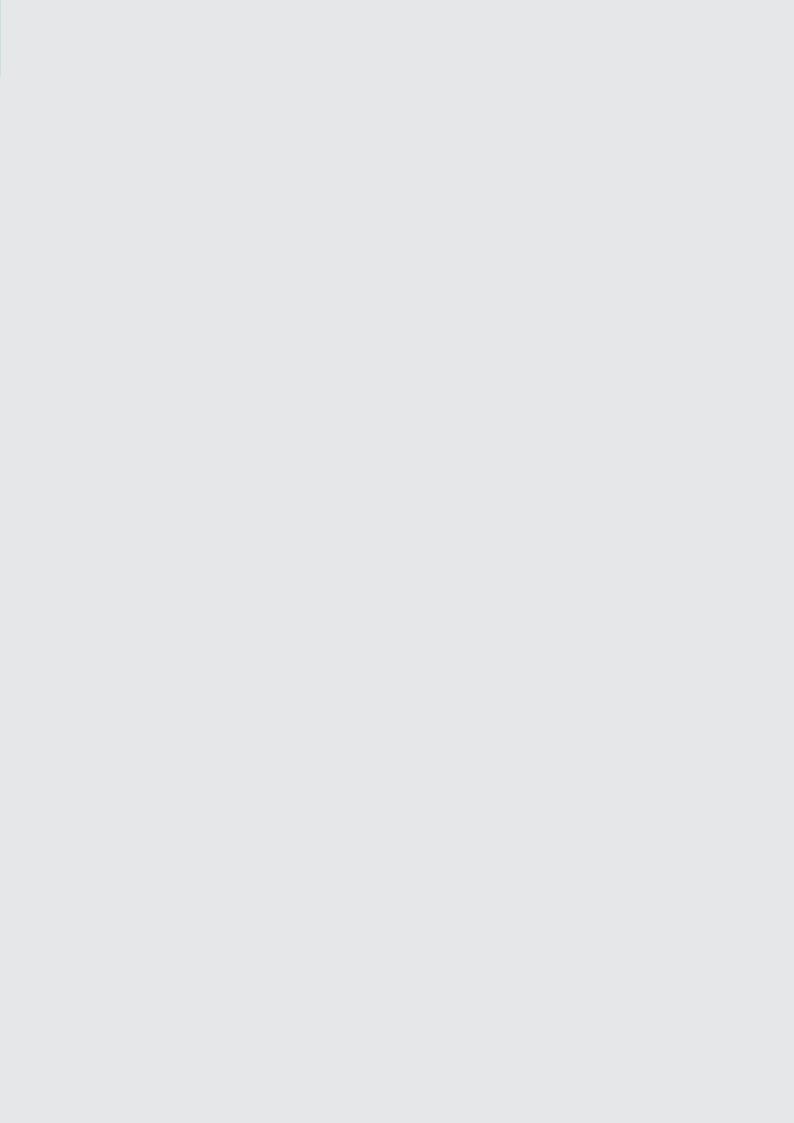
Where can I find more information?

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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