

Welder

(First Class)

(ANZSCO: 322313)



Fact Sheet

Job description

Welders fabricate and repair metal products using various welding techniques.

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.

The qualification relevant to this job is [MEM30305 Certificate III in Engineering – Fabrication Trade](#).

How will I be assessed?

Assessment is conducted in two stages:

Documentary Evidence Assessment:

We will review your training and employment evidence to ensure you have:

- with no formal training – five years work experience.
- with formal training – three years work experience
- the range of skills and knowledge required by a Welder.

Your experience may include time spent in workplace-based training, up to a maximum of 12 months.

Your evidence must show you have worked in your occupation for at least 12 months within the last 3 years.

[For more information on the documents required for Documentary Evidence Assessment Stage, see the Evidence Guide on our website.](#)

Technical Interview:

If you are successful in Documentary Evidence Assessment, an assessor will assess you via a technical interview.

The technical interview will be conducted in English and no interpreters are allowed.

[For more information on Technical Interview, see the Technical Interview Guide on our website.](#)

What skills and knowledge do I need?

To be awarded the qualification [MEM30305 Certificate III in Engineering – Fabrication Trade](#), you must demonstrate your skill and knowledge in a number of units of competency. Each unit of competency defines a selection of knowledge and skill required in Australian workplaces.

You must demonstrate competency in **all core** units and demonstrate competency in additional units to a total of **at least 73 points** (the number of points relating to each unit is show). If the unit selected has a prerequisite, then those units that form the prerequisite must be selected as well

	Code	Title	Core/ Elective	Weighting Points	Pre-requisites
1	MEM12023A	Perform engineering measurements	Core		
2	MEM12024A	Perform computations	Core		
3	MEM13014A	Apply principles of occupational health and safety in the work environment	Core		
4	MEM14004A	Plan to undertake a routine task	Core		
5	MEM14005A	Plan a complete activity	Core		
6	MEM15002A	Apply quality systems	Core		
7	MEM15024A	Apply quality procedures	Core		
8	MEM16006A	Organise and communicate information	Core		
9	MEM16007A	Work with others in a manufacturing, engineering or related environment	Core		
10	MEM16008A	Interact with computing technology	Core		
11	MEM17003A	Assist in the provision of on the job training	Core		
12	MSAENV272B	Participate in environmentally sustainable work practices	Core		
13	MEM05004C	Perform routine oxy acetylene welding	E/A	2	NIL
14	MEM05005B	Carry out mechanical cutting	E/A	2	MEM12023A MEM18001C
15	MEM05006C	Perform brazing and or silver soldering	E/A	2	Nil
16	MEM05007C	Perform manual heating and thermal cutting	E/A	2	Nil
17	MEM05008C	Perform advanced manual thermal cutting, gouging and shaping	E/A	2	MEM05007C
18	MEM05009C	Perform automated thermal cutting	E/A	2	MEM12023A
19	MEM05012C	Perform routine manual metal arc welding	E/A	2	Nil

20	MEM05015D	Weld using manual metal arc welding process	E/A	4	MEM05012C MEM05051A MEM05052A MEM12023A MEM18011C MEM18002B
21	MEM05016C	Perform advanced welding using manual metal arc welding process	E/A	4	MEM05007C MEM05012C MEM05015D MEM05051A MEM05052A MEM09002B MEM12023A MEM18001C MEM18002B
22	MEM05017D	Weld using gas metal arc welding process	E/A	4	MEM05050B MEM05051A MEM05052A MEM12023A MEM18001C MEM18002B
23	MEM05018C	Perform advanced welding using gas metal arc welding process	E/A	4	MEM05007C MEM05017D MEM05050B MEM05051A MEM05052A MEM09002B MEM12023A MEM18001C MEM18002B
24	MEM05019D	Weld using gas tungsten arc welding process	E/A	4	MEM05049B MEM05051A MEM05052A MEM12023A MEM18001C MEM18002B
25	MEM05020C	Perform advanced welding using gas tungsten arc welding process	E/A	4	MEM05007C MEM05019D MEM05049B MEM05051A MEM05052A MEM09002B MEM12023A MEM18001C MEM18002B
26	MEM05022C	Perform advanced welding using oxy acetylene welding process	E/A	2	MEM05004C MEM05007C MEM05051A MEM05052A MEM09002B MEM18001C MEM18002B
27	MEM05047B	Weld using flux core arc welding process	E/A	4	MEM05050B MEM05051A MEM05052A MEM12023A MEM18001C MEM18002B

28	MEM05048B	Perform advanced welding using flux core arc welding process	E/A	4	MEM05007C MEM05047B MEM05050B MEM05051A MEM05052A MEM09002B MEM12023A MEM18001C MEM18002B
29	MEM05049B	Perform routine gas tungsten arc welding	E/A	2	Nil
30	MEM05050B	Perform routine gas metal arc welding	E/A	2	NIL
31	MEM05051A	Select welding processes	E/A	2	NIL
32	MEM05052A	Apply safe welding practices	E/A	4	NIL
33	MEM09002B	Interpret technical drawing	E/A	4	NIL
34	MEM11011B	Undertake manual handling	E/A	2	NIL
35	MEM18001C	Use hand tools	E/A	2	NIL
36	MEM18002B	Use power tools/hand held operations	E/A	2	NIL
37	MEM05011D	Assemble Fabricated Components	E/B	8	MEM05005B MEM05007C MEM05012C MEM05015D MEM05051A MEM05052A MEM09002B MEM12023A MEM18001C MEM18002B
38	MEM18011C	Shut down and isolate machines/equipment	E/B	2	NIL
TOTAL Weighting Points – Group A & Group B				73	

What can I expect to be asked at the Technical Interview?

- Write answers to Workplace Health and Safety (WHS) questions, environment questions and complete a Job Safety Analysis (JSA).
- Complete a number of drawings and marking out exercises, identifying welding symbols and calculate tolerances
- Complete a number of welds using MMAW, GMAW, TIG, and FCAW
- Clean, test and modify welds

What programs does this assessment fall under?

This assessment comes under the following programs and regions:

- OSAP (Europe & All states of Australia)
- TRS (All states of Australia)
- TSS (Europe & All states of Australia)

What will I receive after the Interview?

If you **successfully** complete the Technical Interview you will receive the following:

- an Australian Certificate III qualification and a Statement of Results
- a migration outcome letter if the assessment is to support your visa application.

If you are **unsuccessful** in Technical Interview you will receive:

- a Statement of Attainment that lists the units of competency you successfully achieved
- a Statement of Results that lists units of competency you have successfully achieved and those that were not achieved.

Where can I find more information?

Please refer to our website: <https://www.attc.org.au/trades-recognition/> 

Any queries may be directed to:

Australian Trade Training College Ltd
294 Scarborough Road
Scarborough Qld 4020
Phone: +61 (0) 7 3414 5999

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