



# Are you a qualified tradesperson or technician looking for a career in defence manufacturing?

**DEFENCE  
INDUSTRY**  
THE OTHER FORCE

Enrol now in a half price skill set to get the skills you need to work in defence manufacturing.

**Entry requirements apply.**

## CODED WELDING MANUAL METAL ARC WELDING (PIPE) SKILL SET

State ID AE370

### Overview

The Coded Welding Manual Metal Arc Welding (Pipe) skill set will provide existing workers with the skills to weld to the requirements of AS1796 and obtain Certification no. 7 from Weld Australia. It has been developed specifically to suit the defence industry; for example those working on projects such as ship or aircraft building or the maintenance of military vehicles.

This skill set defines the skills and knowledge required for an existing engineering tradesperson who chooses to study at a higher level within metal, engineering, manufacturing and associated occupations in the defence industry. You will also gain knowledge and skills on health and safety with welding, setting and maintaining welding parameters, as well as welding in the 2G and 5G weld positions.

### Entry requirements

You must be a qualified tradesperson already working in engineering or manufacturing, looking to upskill into defence manufacturing.

Refer to back page for prerequisites for this skill set.

### Training and career advice

To find out more about jobs in defence manufacturing or this skill set, contact the dedicated defence industry team at the Rockingham Jobs and Skills Centre.

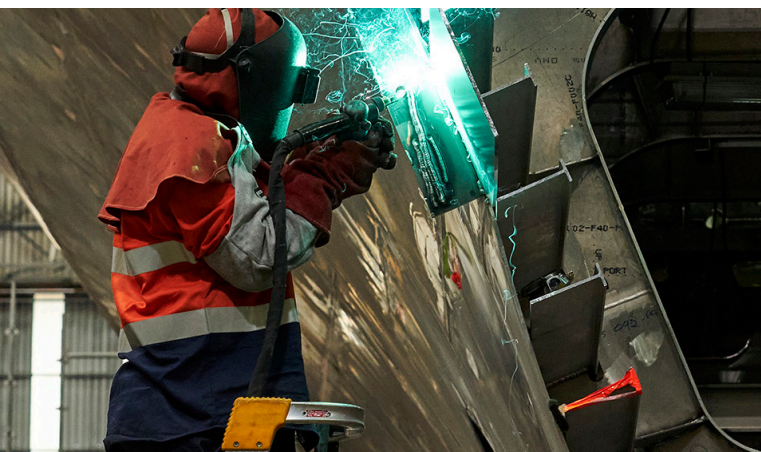
**P: 08 9599 8655**

**E: [defence.careers@smtafe.wa.edu.au](mailto:defence.careers@smtafe.wa.edu.au)**

South Metropolitan TAFE Rockingham campus  
Building G, Simpson Avenue Rockingham

### How to enrol

Visit [southmetrotafe.wa.edu.au](http://southmetrotafe.wa.edu.au)



## Units of competency

Unit code	Unit title
MEM05016C	Perform Advanced Welding using Manual Metal Arc Welding Process
MEM05045B	Perform Pipe Welds to Code using Manual Metal Arc Welding Process
MEM06007B	Perform Basic Incidental Heat/Quenching, Tempering and Annealing

### †Eligibility criteria

For full details about eligibility criteria for reduced fees and the annual fees cap concession rate, read the frequently asked questions at [jobsandskills.wa.gov.au/skillsready](http://jobsandskills.wa.gov.au/skillsready).

### Prerequisites

Completion of the following units is a prerequisite for this skill set.

- » MEM05007C Perform manual heating and thermal cutting
- » MEM05012C Perform routine manual metal arc welding
- » MEM05015D Weld using manual metal arc welding process
- » MEM05051A Select welding processes
- » MEM05052A Apply safe welding practices
- » MEM09002B Interpret technical drawing
- » MEM12023A Perform engineering measurements
- » MEM18001C Use hand tools
- » MEM18002B Use power tools/hand held operations
- » MEM05016C Perform advanced welding using manual metal arc welding process
- » MEM05026C Apply welding principles

### Further study options

The units in this skill set may lead to the qualification listed below and other qualifications that allow selection of these units.

#### Half price courses†:

- » Certificate IV in Engineering (Welding)
- » Certificate IV in Engineering (Coded Welding)



#### Half price course† in 2021:

- » Certificate IV in Engineering

†Eligibility criteria applies.