

MIG Level Three (Advanced)

MEM05018C – Perform advanced welding using gas metal arc welding process



Overview

This unit covers preparing materials, selecting and setting up the welding equipment, carrying out advanced gas metal arc welding (GMAW), inspecting for and correcting defects, and maintaining the weld records.

This course includes the preparation of materials such as plate and pipe in mild steel and aluminium and performing welds including Fillet and Butt.

Duration

Option 1

4 days/ 8 hours per day (Face to Face)
8:00am to 4:30pm

Option 2

12 Wednesday nights/ 3 hours per night (Face to Face)
5:00pm to 8:00pm

Assessment

Theory Assessment

Practical Assessment.

Entry Requirements

Participants **MUST**:

- Be at least 16 years
- Be an Australian/New Zealand Citizen or hold an eligible VISA.
- Have the ability to read, write and understand basic English and carry out basic mathematical calculations.
- Have the physical ability to perform practical fabrication skills.

Pre-requisites

All participants wishing to attain the accredited MEM05020C unit will need to have successfully completed the following (and provide evidence to ATEC):

- MEM05007C – Perform manual heating and thermal cutting
- MEM05050B – Perform routine gas metal arc welding
- MEM05017D – Weld using gas 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; and
- MEM18002B – Use power tools/ hand held operations

Note: client who have not completed the above units may still be eligible to attend training, but will be issued with a Certificate of Attendance on successful completion of training.

Course Fees

Option 1

- \$1120.00 (GST exempt)

Option 2

- \$1800.00 (GST exempt)

Courses must be paid for on booking unless alternative arrangements have been made. Training will not be confirmed until payment has been received.

Content

- Prepare welding materials and equipment
- Weld joints to code requirements using GMAW
- Assess weld quality and rectify faults

Learner Requirements

- Provide your Unique Student Identifier (USI). To apply for a USI go to <https://www.usi.gov.au/your-usi/create-usi>
- Provision of Australian legal photo identification for enrolment purposes

PPE (Personal Protective Equipment)

To be supplied by participant:

- Safety Boots (steel cap)
- Safety glasses
- Appropriate workshop attire (non-flammable) i.e. **work trousers and a long-sleeved work shirt (for WHS reasons please do not wear excessively loose clothing)**
- Appropriate welding gloves and a welding helmet

Outcome

On successful completion of all requirements of this course, learners holding all pre-requisites will be issued with:

- 1) A Statement of Attainment for MEM05018C – Perform advanced welding using gas metal arc welding process
- Alternatively, clients who do not hold all pre-requisites will be issued with:
- 2) A Statement of Attendance

Delivery Locations

- Ottoway

Ottoway

275 Grand Junction Road, Ottoway
South Australia 5013

Lonsdale

5 Refinery Road, Lonsdale
South Australia 5160

Port Adelaide

12 Todd Street, Port Adelaide
South Australia 5015

Pre-enrolment information

Important information for prospective students in regards to ATEC Policies is available at <http://www.atec.asn.au/pre-enrolment-information.html>

How to apply

Applications and enquiries can be made:

- Online – www.atec.asn.au
- Email – bookings@atec.asn.au
- Call ATEC on 1300 112 832

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