

# TIG Level One (Basic)

## MEM05049B – Perform routine tungsten arc welding



### Overview

This unit of competency defines the skills and knowledge required to prepare materials such as plate/mild steel and carry out routine gas tungsten arc welding (GTAW) i.e. fillet and butt welds. This applies in a maintenance or manufacturing environment where the weld quality is not required to meet an Australian Standard or equivalent.

### Duration

#### Option 1

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

#### Option 2

6 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.

### Course Fees

#### Option 1

- \$400.00 (GST exempt)

#### Option 2

- \$480.00 (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.

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### Content

- Identify weld requirements
- Prepare materials
- Prepare equipment for welding
- Perform routine welding using GTAW

### 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 will be issued with:

- 1) A Statement of Attainment for MEM05049B – Perform routine tungsten arc welding

### Delivery Locations

- Ottoway

### 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](http://www.atec.asn.au)
- Email – [bookings@atec.asn.au](mailto:bookings@atec.asn.au)
- **Call ATEC on 1300 112 832**

#### 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