

Welding Certification

AS1796 Certification 3, 3E, 4, 5, 7, 8F & 8G.

Overview

The Welding Certification courses are designed for **experienced welders** seeking to further develop their welding career. Australian Standard (AS1796) specifies the required theory and practical welding skills for certification. This will allow the applicant to be certified to weld high-quality applications on:

- Plain carbon
- Low alloy steel plate; and
- Pipe sections

Note: There are two training components required to achieve a welding certification:

- **Theory** (MEM05026C – Apply welding principles); and
- **Practical** (Certification tickets 3, 3E, 4, 5, 7, 8F & 8G)

Note: each certification is a separate course and holds an individual cost.

Duration

Theory - 5 days/8 hours (Face to Face)

8:00am to 4:30pm each day

Practical - 5 days/8 hours (Face to Face)

8:00am to 4:30pm each day

For each certification ticket

Assessment

Theory Assessment

Practical Assessment

Entry Requirements

Participants **MUST**:

- Have completed a Certificate III in Engineering (in Australia); or
- Be an indentured tradesperson; or
- If you do not have a Certificate III, you may qualify through prior experience. Prior experience includes a **minimum** of two years welding experience and at least 300 hours of training; or
- Successful completion of the following:

For **MMAW** Certifications (Cert No 3, 3E, 4 & 5)

- MEM05012C - Perform routine manual metal arc welding
- MEM05015D – Weld using manual metal arc welding process
- MEM05016C – Perform advanced welding using manual metal arc welding process

For **GTAW** Certifications (Cert No 5, 7 & 8F)

- MEM05049B – Perform routine gas tungsten arc welding
- MEM05019D – Weld using gas tungsten arc welding process
- MEM05020C – Perform advanced welding using gas tungsten arc welding process

For **GMWA** Certifications (Cert No 8G)

- MEM05050B – Perform routine gas metal arc welding
- MEM05017D – Weld using gas metal arc welding process
- MEM05018C – Perform advanced welding using gas metal arc welding process

As well as **all** of the following:

- MEM05007C – Perform manual heating and thermal cutting
- MEM05051A – Select welding process
- MEM05052A – Apply safe welding practices
- MEM09002B – Interpret technical drawings
- MEM12023A – Perform engineering measurements
- MEM18001C – Use hand tools/hand held operations
- MEM18002C – Use power tools/ hand held operations

Note: A meeting/assessment will be required to confirm eligibility before any training can be booked/confirmed

Course Fees

- \$1200.00 (GST exempt) for the theory component; and
- \$1900.00 (GST exempt) per practical unit

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

Additional Student Fees (individuals cost)

- Pre-course assessment (if required) – Approx. \$70.00

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 assessment 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)*
- 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 MEM05026C – Apply welding principles; and a
- 2) A Certificate of completion for the completed Welders Certification practical component

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

Welding Certification - AS1796 Certification (3, 3E, 4, 5, 7, 8F & 8G) – Training components

Theory (MEM05026C- Apply welding principles)

- Apply all statutory and regulatory requirements to welding procedures Validation of fabrication/welding procedures
- Interpret all welding terms, codes and symbols
- Determine the effects of heat treatment on metal in relation to welding
- Plan the logical sequence of welding operations

Practical Components offered

Certificate No 3	Manual Metal Arc Welding (MMAW) of butt welds using hydrogen controlled electrodes in alloy steel plates
Certificate No 3E	Manual Metal Arc Welding (MMAW) of welds using hydrogen controlled electrodes in alloy steel plate and alloy steel
Certificate No 4	Manual Metal Arc Welding (MMAW) of welds using hydrogen controlled electrodes in alloy steel pipe.
Certificate No 5	Gas Tungsten Arc Welding (GTAW) root run and manual metal-arc welding (MMAW) of butt welds using hydrogen controlled electrodes in alloy steel pipe (single vee welded from one side only)
Certificate No 7	Gas Tungsten Arc Welding (GTAW)
Certificate No 8F	Flux-cored Arc Welding (FCAW) of plate and pipe.
Certificate No 8G	Gas Metal Arc Welding (GMAW) of plate and pipe.

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Ottoway

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Lonsdale

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Port Adelaide

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