



# Welder Certification Course

**Certificate No's: 1, 1E, 3 & 3E**

**Perform welds using MMAW**

Manual Metal Arc Welding (MMAW) to code standard carried out using a range of materials. The person would work autonomously or in a team environment using predetermined standards of quality, safety and welding procedures. Butt and fillet welds are produced in the flat, horizontal, vertical and overhead positions. Preparation of materials may include preheating, setting up of jigs, fixtures, clamps, etc. Materials used may include carbon/manganese steel, low alloy steel and aluminium materials, etc. This unit, in conjunction with Unit MEM05026C Apply welding principles, may satisfy the requirements of AS 1796 Certificates 1, 1E, 3 and 3E.

**Course Cost:** \$600 - Theory block (unit MEM05026C)  
One week block with trainer  
\$625 - Practical

**Course Duration:** Theory: 1 week (5 days) Block ONLY - 8am - 4:30pm  
Practical: 1 week (5 days) 8am - 4:30pm or 18 Wednesday evenings 5-8pm

**Course Location:** ATEC - Ottoway  
275 Grand Junction Road

**Course Content:** **Certificate No 1** - Manual Metal Arc Welding (MMAW) of welds in carbon steel plate and carbon steel pipe over 600mm outside diameter.

**Certificate no 1E** - Manual Metal Arc Welding (MMAW) of welds in carbon steel plate and carbon steel pipe over 270mm outside diameter

**Certificate No 3** - Manual Arc Welding (MMAW) of welds using hydrogen controlled electrodes in alloy steel plates and alloy steel pipe over 600mm outside diameter

**Certificate No 3E** - Manual Metal Arc Welding (MMAW) of welds using hydrogen controlled electrodes in alloy steel plate and alloy steel pipe over 270mm outside diameter. (Includes unit MEM05046B - Perform welds to code standards using manual metal arc welding process)

**Safety Equipment:** To be supplied by the participant

- Safety boots
- Clear Safety glasses
- Long pants
- Long sleeved shirt

**For Further details and bookings please contact**  
**ATEC Training on 1300 112 832**  
**or email [bookings@atec.asn.au](mailto:bookings@atec.asn.au)**