

# Welder Certification Course

## Certificate No's: 2 & 4

### Perform pipe 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 welds are produced on pipe with the axis horizontal, vertical and/or askew. 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 2 and 4.

**Course Cost:** \$750 - Theory block (MEM05026C)  
One week block with trainer  
\$750 - 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 2** - Manual Metal Arc Welding (MMAW) of welds in carbon steel pipe.

**Certificate No 4** - Manual Metal Arc Welding (MMAW) of welds using hydrogen-controlled electrodes in alloy steel pipe. (Includes unit MEM05045B - Perform pipe welds to code standards using manual metal arc welding process).

**Pre-requisites:**

- MEM05007C Perform manual heating and thermal cutting
- 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
- MEM05026C Apply welding principles
- 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

**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)**