

## Welding

*Comprising of:*

**RIISAM203E** – Use hand and power tools

**RIISAM205E** – Cut Welding and Bend Material

**MEM18002** – Use power tools/hand held operations

**MEM18001** – Use hand tools

This training course outlines the skills and knowledge required to safely cut, weld, and bend materials using hand and power tools.

### Within this course, candidates will learn how to:

- + identify and match cutting equipment with job task
- + set up oxyacetylene, electric welding and bending equipment in the correct sequence
- + test the equipment
- + accurately mark and secure or clamp the material ready for bending and cutting
- + cut material using oxyacetylene
  - light the torch correctly and safely
  - adjust the setting of flame
  - adopt correct cutting position during cutting to set out mark
- + cut and weld materials using electric welding equipment
  - complete test runs to verify settings
  - complete welds
  - use welds to manipulate materials for job completion
  - troubleshoot insufficient weld
  - clean and visually inspect the welds for defects
- + heat and bend material
  - control the heat of the torch to suit the materials being bent
  - bend materials to job task requirements
- + shutting down the torch and gas supply in sequence
- + use hand tools - e.g., hammer, brushes, rules, clamps, squares etc.
- + use power tools - e.g., grinder, drop saw, pedestal drill etc.

To achieve competency, the candidate is required to successfully complete a theory and practical assessment and demonstrate sufficient performance and knowledge evidence. Participants should have sufficient numeracy and literacy skills to read and comprehend instructions.

Assessment will occur in workplace operational situations or, where this is not available, in simulated workplace operational situations that replicate workplace conditions.

**Course Dates:** Scheduled monthly and on request.

**Cost:** Varies. Please contact us to discuss pricing and potential eligibility for subsidies.

**Delivery Mode:** Internal Delivery. Theory and practical assessment.

**Duration:** 3 Days, commencing at 8am.

**Location:** Ridgley Training Facility – 2 DeBoer Drive, EAST RIDGLEY TAS 7321 (first left off Circular Road)

**Outcome:** Upon successful completion, the candidate will be awarded a Statement of Attainment for

**RIISAM205E - Cut, weld and bend materials + RIISAM203E - Use hand and power tools + MEM18001 - Use hand tools + MEM18002 - Use power tools/hand held operations**

