

BASIC SMAW– STRUCTURAL WELDING

Aims and Outcomes

This course is designed to give candidates the necessary skills to carry out basic structural welding using the SMAW (Stick Metal Arc Welding) process to a consistent standard.

The training also covers basic welding knowledge including, welding safety; equipment setup; joint terminology; electrode types; distortion control, and workmanship practices.



Prerequisite

There are no prerequisites for this course.

Course Content

The Basic Structural Welding Training Plan is based on competencies within the Australian Qualification Framework (AQF):

- Safe welding practices
- SMAW processes, equipment and setup
- Current and voltage settings, electrodes and other variables to suit typical situations
- Electrode properties and applications
- Weldability and properties of metals welded using SMAW
- Weld preparation
- SMAW welding techniques
- Post welding treatments
- Weld defects
- Requirements to conform to standard weld procedures – AWS, DNV or equivalent

Certification

On successful completion of the training, candidates will be awarded a Futuro Skills Certificate in Basic SMAW - Structural Welding.

Duration

10 days

Maximum Candidates

10 persons