

## Course Aim

Cognisant of the skills shortages in Welding and Fabrication, this course has been developed to allow companies to develop staff in welding processes; giving them the skills and knowledge to prepare materials and equipment to complete welded joints utilising a Mig Welding process.

This course is aimed at up-skilling existing staff to develop their skills and knowledge in welding processes to complete repeat manufacturing jobs to a specified standard or complete maintenance activities. The course will also provide learners with an opportunity to develop hands on skills in welding and fabrication.

## Course Learning Outcomes

1. Prepare materials and equipment for welding activities
2. Understand the theory of the Mig Welding Process
3. Complete a range of welded joints
4. Manufacture a range of welded components to drawing and specification.
5. Visually inspect components to drawing and specification
6. Understand a range of welding technologies available in the welding industry

## Schedule

- A blend of face to face day release classes and practical supported by on line materials. Additional free courses including Abrasive Wheels, IOSH Working Safely, CCSNG Safety Passport and Save a Life.
- A personal development programme will run aside practical sessions during the 16 weeks.

Starting on Tuesday 27 September 2022 from 1-5pm thereafter for practical sessions for 16 weeks. The personal development programme will include the additional courses, self-study and interpersonal skills training.

## Course Content

- Health and Safety in a Welding Environment
- Welding Processes and Techniques.
- The application of the Mig Welding processes.
- Preparing materials for Mig welding processes
- Setting up and adjusting Mig Welding equipment
- Forming a range of welded joints using Mig Welding Processes.
- Manufacturing a range of components to drawing and specification.
- Completing positional welded joints
- Visually inspecting welds.
- Identifying defects in welds and understanding their cause.
- Introduction to automation in the welding industry.

## Employer Costs

- Large employer at 30% contribution. This is fantastic value for money with a 70% reduction.
- Micro, Small and Medium employer at 10%. This is fantastic value for money with a 90% reduction.
- Free licence for Autodesk package.

## Learner Costs

The training is free if you meet the following criteria:

- Aged over 19 years of age
- Working, recently unemployed within the last 12 months or looking for work e.g. coming back into the workforce after a career break
- Resident in the UK and legally entitled to work in the UK
- Free licence for Autodesk package.

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