



FABRICATION SKILLS COURSE

COURSE CONTENT

AIM

To provide trainees with an understanding of fabrication to assist them in gaining employment and further experience.

Pre-Requisite

Trainee should be familiar with engineering terms and the use of hand tools.

Course Duration

Dependent upon company requirements and the knowledge and experience of the delegates.

Maximum Number

10 persons.

Training Aids

Lecture notes and audio/visual presentation.

Assessment

Fabrication project.

Certification

On successful completion of the course candidates will receive a NETA certificate which will be forwarded to the delegate or their sponsor company.

Please Note: NETA certificates have an advised expiry of 3 years from date of issue.

Additional Information

Meeting the needs and expectations of service users is of the highest priority to our staff. Therefore if you have any concerns or wish to make a comment about the service please contact: info@NETA.co.uk

COURSE OBJECTIVES

On successful completion of this course, delegates will be able to:

- Use flame cutting equipment safely and correctly
- Use MMA and MIG welding equipment safely and correctly to tack weld components
- Mount and safely use abrasive wheels
- Safely and correctly use a range of forming machines including rolling, bending, cutting, punching, etc.
- Use various methods of marking out
- Use a variety of hand tools and simple measuring and marking out equipment
- Draw first, third and orthographic projections
- Understand site plans, building plans, layout drawing and isometric sketches.
- Safely use and take care of lifting equipment
- Use lifting fabrications safely and correctly

COURSE SYLLABUS

Introduction

- Induction to Centre

Drawing

- Produce drawings
- Reading and understanding working drawings
- Working from drawings

Measuring and Marking Out

- Use of trammels, back markers, rules
- Marking out for cones, square to round and segmental bends

Fabrication Machinery

- Safe use and practise of using:
 - Bending rolls, folding materials, punching machines and guillotines

Fabrication Aids

- Bracket clamps

Flame Cutting

- Introduction to the process
- Use of flame cutting equipment

Abrasive Wheels

- Practice in the safe use of abrasive discs
- Certification for changing abrasive discs

Lifting

- Correctly selecting and using lifting equipment
- Legislation regarding lifting equipment
- Working with cranes

Welding

- Introduction to MMA and MIG welding process
- Tack welding

Addendum

At the start of every course the trainee will be given an engineering drawing from which they will be expected to produce a finished fabrication project. If the finished fabrication is acceptable, the trainee will be issued a Certificate of Competence as a Fabricator.

A separate certificate will be issued to those trainees who complete the Abrasive Wheels Regulations test successfully.

Course Ref: CPF01
CSM: 09/20