University of Central Lancashire
Training 2000

INFORMATION FOR STUDENTS

Apprenticeships

European Union
European Social Fund

Plate Welder

Level 3 Apprenticeship

Plate welding is an exciting and hands-on career where you use advanced welding techniques to build and repair massive structures like bridges, ships, wind turbines, and even armoured vehicles. You'll work with different metals, using high-tech welding tools to ensure strong, high-quality joins. This job can take you anywhere–from construction sites to factories, and even working at heights or near water. You'll collaborate with engineers, fabricators, and inspectors while ensuring your work meets top industry standards. It's a skilful, rewarding career with opportunities across various industries worldwide!

Duration:
3 years - x1 eight week block (covering MMA, TIG and MAG welding processes)

Where will I study:
Training 2000, Blackburn

Entry requirements:
A minimum of two GCSEs at grade 4 (C) or above in English and Maths. Other equivalent qualifications are acceptable. You may have to complete your English and Maths Functional Skills depending on your GCSE grades.

What you'll learn

Planning
Plan and prepare for the welding of plate, structural components before commencing work

Materials
Check materials conform to the specified grades, dimensions and thicknesses.

Inspection
Inspect weld preparations, surface conditions and cleanliness

Assembly and position of components
Assemble and position plate and structural components to be welded, including attachment of bracings, strong-backs, alignment aids, run-on and run-off tabs and backing materials (e.g. ceramic, metallic etc.).

Preparation to weld
Assemble equipment to be used in the preparation and welding of plate and structural components and check its performance and condition, including any component heating and monitoring equipment.

Adjusting and maintaining equipment
Adjust and maintain the equipment to be used during the welding of plate and structural components.

Technical specifications & drawings
Interpret technical specifications & drawings to establish detailed welding process controls, consumable selection, and dimensional limitations imposed to control distortion.

Welding techniques
Make the joints to specified dimensional accuracy using appropriate welding techniques.

Improvements
Identifying areas for improving the production process where possible through the monitoring of performance

Monitoring parameters
Monitor associated parameters throughout the welding of plate and structural components (e.g. Preheat, Interpass Temperature, Heat Input).

Removing defects
Remove material using manual powered and non-powered hand tools, before and during welding to remove defects within the preparation and weld deposit.

Compliance
Visually inspect alignment and distortion of component and apply techniques to ensure compliance with specification.

Inspecting completed weld
Visually inspect completed weld and component geometry

Hand tools
Remove and dress bracings, strong-backs, run-on/run-off tabs and alignment aids, and dress finished external weld surfaces using manual powered and non-powered hand tools

Stock control
Monitor the use of consumables and adjust quantities issued, and return unused consumables for re-conditioning, re-use or disposal.

Working environment
Restore the work area and equipment to a safe and reliable condition on completion of welding including the remediation and recycling of bracings, strong-backs and alignment aids.

Finishing a job professionally
Complete production documentation and reporting at the appropriate stages of the work activity

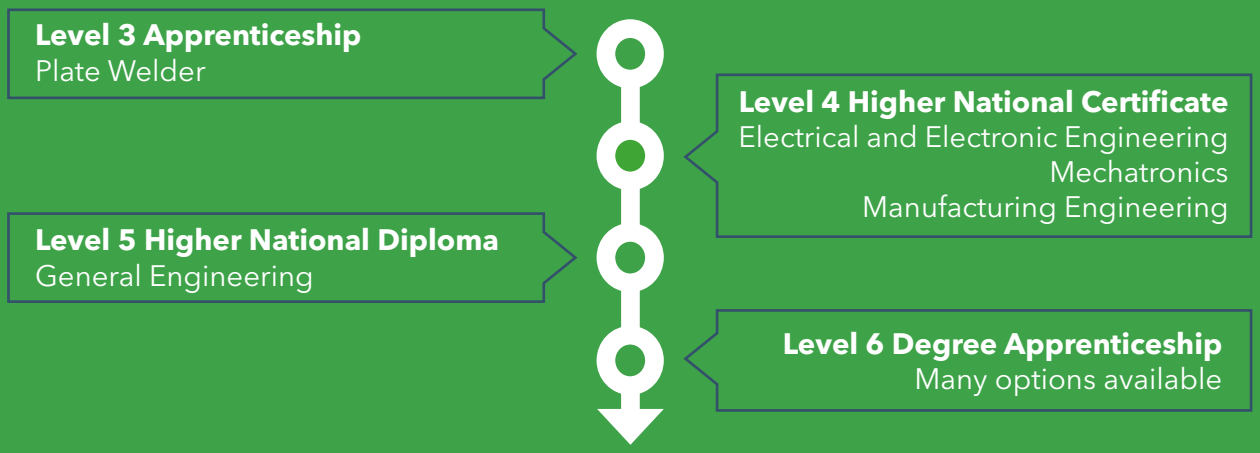
How you'll be assessed?

At the end of your Apprenticeship you'll go through an end-point assessment (EPA) and be graded a based on a:

1. Multiple-choice test
2. Practical assessment with questions
3. Interview / portfolio of evidence

Your Apprenticeship career path

Below is an example career path showing how you can earn, learn and study up to Degree level with an Apprenticeship. Training 2000 are part of the University of Central Lancashire which makes it easier than ever to progress on to a Degree Apprenticeship or Degree.



An Apprenticeship in Engineering can take you in many directions from an Aerospace Engineer to Nuclear engineer. You could even go on to own your own business.

Interested? Apprenticeships start throughout the year. Apply now!

www.training2000.co.uk
01254 54659
info@t2000.co.uk