

Apprenticeships

Level 3

Pipe Welder Standard

Apprenticeship Code: ST0851

Sector: Engineering

Length of Delivery

Up to 48 months.

Entry Requirements

Apprentices without Level 2 English and Maths will need to achieve this level prior to taking the End Point Assessment.

About the Role

The broad purpose of the occupation is to manually weld tubes and pipes to high standards of quality and integrity using a minimum of two manual arc welding processes from Tungsten Inert Gas (TIG), Plasma Arc Welding (PAW), Manual Metal Arc (MMA), Metal Inert Gas (MIG)/Metal Active Gas (MAG) and Flux Cored Arc Welding (FCAW). The occupation requires the pipe welding of a minimum of four material groups from Carbon Steel, Low Alloy Steel, High Alloy Ferritic/Martensitic Steel, Austenitic Stainless Steel, Nickel & Nickel Alloys, Aluminium & Aluminium alloys, Titanium & Titanium Alloys, Copper & Copper Alloys. Pipe welders must use all welding positions and 3 main joint configurations from Single Sided Butt, Socket, Flange and Set-on Branch welds.

What Apprentices need to learn

Apprentices need to complete 20% off-the-job training during the on-programme phase of their apprenticeship. Specific rules govern this, and it must take place in the apprentice's contracted hours.

Apprentices are required to demonstrate the skills, knowledge and behaviours for the standard. The below list details some of the skills requirements.

Skills:

- Work safely
- Obtain, check and use appropriate documentation
- Obtain, position and assemble welding equipment
- Prepare, check and protect materials and work areas ready for welding
- Receive, inspect, condition and maintain consumables
- Set, test, and monitor key welding parameters
- Achieve a quality of work to meet international standards
- Complete any required documentation using the defined recording systems
- Produce pipe welds
- Monitor weld quality and dimensions throughout welding activity
- Set-up purge protection within the pipe bore and associate monitoring methods

Please go to the Institute of Apprenticeships website for further detail on the standard and assessment www.instituteforapprenticeships.org/apprenticeship-standards/pipe-welder/

End Point Assessment (EPA): how apprentices achieve their qualification

When the apprentice reaches the end of the On-Programme Assessment stage, they pass through “Gateway” to the End Point Assessment (EPA). The End Point Assessment comprises a range of assessment methods, including a knowledge test, practical assessment and professional discussion, to build in rigour and ensure that all components of the Standard have been fully tested and met. Guidance will be provided on possible Learning Outcomes and Assessment Criteria.

Before you can book end-point assessment, Lakes College and the employer will sign off that the apprentice will be ready for EPA by a gateway assessment. The following qualifications will be required to be achieved prior to EPA:

- Where an apprentice has not already achieved Level 2 English and Maths (GCSE C /4 or above), they must do so before taking the End Point Assessment.

Progression Opportunities

The holder of this standard is professionally recognised by the Welding Institute as an Engineering Technician.

Next Stage

- If you are an employer please contact our Business Accounts Management lead via team-sales@lcwc.ac.uk, whom will arrange an appointment to support your recruitment needs.
- If you are an applicant please either:
Go to our website www.lcwc.ac.uk and apply
or contact our admissions team **01946 839300**
or email admissions@lcwc.ac.uk


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