Welder

Sector	Engineering
Who is it for?	New recruits and existing staff
Start date	September
Level	2
Duration	18 months plus three months for end-point
End-point assessment	Ongoing assessment and final grading through end-point assessment
Qualification	Level 2 Welder
Delivery model	Weekly college session

This standard aims to give the Apprentice the knowledge, skills and behaviours to be able to complete welding tasks including at least one arc welding process, passing surface inspection. Welders work in a wide range of industries such as aerospace, structural engineering and construction.

Day-to-day tasks include studying blueprints and specifications, inspecting materials before welding, preparing metal components for welding and operating welding equipment.

These roles can be in a range of workshops including assembly yards, fabrication shops and construction sites.
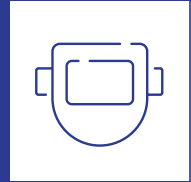
Typical job roles include:

General welder

Weld setter

Welding fabricator

What your Apprentice will learn

Apprentices develop knowledge, skills and behaviours to be able to work effectively in their job role.

These form the Apprenticeship standard that has been developed and agreed with employers.

The knowledge, skills and behaviours that your Apprentice will learn include:

Knowledge

Material properties

Welding power sources

Ancillary equipment

Welding gases and equipment

Welding processes, positions and progressions

Technical documentation

Skills

Preparing welding machines and equipment

Setting, modifying and monitoring welding controls

Applying machining operations and techniques

Welding using processes e.g TIG, PAW and MMA

Applying visual inspection, dimensional and alignment checks

Adapting welding techniques

Behaviours

Health and safety awareness

Aware of environment when using resources and carrying out work

Responsible and independent worker

Adapts to changing requests