

Welder

Apprenticeship

Level 2

An apprenticeship is a smart, cost-effective way to recruit a new welder. Above all, it means you can train someone to work in the way that suits your operation.

This apprenticeship will help you to develop a skilled general welder familiar with the latest welding tools and methods, with a good knowledge of different welding design techniques and equipment. They will be fully competent in manual welding using at last one arc process. They will have good construction and problem-solving skills and the flexibility to tackle many different tasks on the job site.

By the time they complete the apprenticeship, they should be capable of joining your team as a valuable member of staff.

Key Areas of Study

Your apprentice will cover essential knowledge, skills and behaviours on their programme. The full menu of options for what can be covered is outlined below, and you can select the areas of most importance for your organisation.

Quick Information:

New Apprenticeship Standard designed by employers for employers

Sector:

Construction & Engineering as well as most sectors of industry

Who is it for?

New recruits

Start date:

Flexible to suit employers

Level:

Level 2

Duration:

Minimum 18 months

How does it work?

Delivered in your workplace with training 1 day a week at College for 70 weeks and tutor visits to your workplace every 6 weeks

Content:

Menu of options that can be tailored to your business

Assessment:

Multiple-choice tests, practical/oral examination and professional interview at the end of the programme

Qualification:

Welder Apprenticeship



Knowledge

- Be aware of the basic mechanical properties and weldability of welded materials
- Understand the common arc welding processes, joint types (fillet, lap, butt, etc.) and positions
- Understand the major components of welding equipment and the essential parameters for welding
- Understand the terminology, operation and controls for the selected arc welding processes, joint types and welding positions
- Identify and understand the causes of typical welding defects and how their occurrence can be reduced, for the materials and welding processes selected
- Understand the functions of welding consumables and the requirements for correct storage and handling
- Be able to identify and select correct welding consumables for each application
- Understand and identify hazards and basic health, safety and quality requirements when welding
- Know how to interpret and work to a welding procedure specification
- Know the basics of quality documents and reporting systems for welding

Skills

- Produce good quality welds using two welding process/material type combinations (TIG, MMA, MIG/MAG, FCAW) and (Carbon and Low Alloy steel, High Alloy Ferritic/Martensitic Steel, Austenitic Stainless Steel, Nickel and Nickel Alloys, Aluminium and Aluminium Alloys) in two welding positions (Downhand, Horizontal, Vertical, Overhead)
- Attain a qualification in accordance with one of the following standards: ISO 9606 / ASME IX / BS4872 / AWS D1.1, determined by the employer. N.B. These qualifications are regarded as licences to practice in welding
- Receive, handle and maintain consumables
- Achieve a quality of work to meet international standards for dimensional and surface inspection (Visual, Magnetic Particle Inspection and Dye Penetrant Inspection)
- Position, prepare and check the welding equipment
- Prepare, check and protect materials and work area ready for welding
- Complete and check the finished weld ready for inspection and report into the production control system
- Ensure that health and safety requirements are fully accounted for in all the above

Behaviours / Attitude

- A questioning attitude, to understand the processes and associated industrial applications
- Maintaining competence with a commitment to Continuing Professional Development
- Planning and preparation to ensure production and Continuing Professional Development goals are achieved
- Intervention, to challenge poor practices and channel feedback to the appropriate authorities to implement change
- Reliability and dependability to consistently deliver expectations in production, quality, work ethics and self-development
- Accountability, to follow the specified procedures and controls and be personally responsible for their production work and personal development

Training, Tutoring and Assessment

The whole programme takes a minimum of 18 months to complete, at which point your apprentice can start their End Point Assessment, by agreement with you and us. The pace at which the apprentice progresses will be driven by you and the apprentice. We will work closely with you to plan and deliver appropriate support and training. Your apprentice will mainly learn on the job, but training and one-to-one tutoring are a key part of the new apprenticeship standards, not just assessment, with more time on tutoring as part of the off-the-job training.

We will carry out joint reviews with you at regular intervals to discuss progress. You can use your normal performance management processes to monitor the progress of the apprentice, provide feedback and guide development. Your apprentice will be expected to keep a portfolio to track their learning and development throughout the apprenticeship.

End Point Assessment

In conjunction with us, you will be asked to formally sign-off that the apprentice has met the minimum requirements for knowledge, skills and behaviours within the apprenticeship standard and confirm they are ready to move on to the final assessment. The assessment is made up of three parts:

A theoretical knowledge test made up of multiple choice question papers containing generic questions relevant to all welders and specific questions relevant to the theoretical part of the skill/knowledge modules selected by the employer.

A practical/oral examination comprising of two practical tests and an oral examination. The practical tests will be carried out in accordance with a recognised industry specification and will be in the most difficult welding positions for the skill/knowledge modules selected. There will also be an oral examination to assess the apprentice's understanding of the tests he/she is undertaking and of the wider responsibilities of a welder.

A professional interview which is designed to do two things: firstly, to further explore the apprentice's knowledge relevant to his/her role and, secondly, to assess if the apprentice's occupational behaviours meet the requirements specified in the Apprenticeship Standard.

For more information on the assessment for Welder Apprenticeship please see the full assessment plan in the Apprenticeship Standard documentation. We will arrange the End Point Assessment.

Apprenticeship Entry Requirements

Practical skills are considered as important as academic ability and you as the employer will set your own selection criteria. However, the candidate will be required to achieve qualifications at Level 1 in English and Maths and to have taken examinations for both subjects at Level 2 during their apprenticeship, if not already achieved. We will arrange the tutoring for these qualifications where required.

Future/Other Opportunities

Progression on to a Level 3 Apprenticeship in Welding.

More Information

To find out more about the opportunities and financing of apprenticeships and to discuss your particular requirements, please email **employer@sheffcol.ac.uk** or call **0114 260 2600** to speak to one of our friendly employer advisors.

Why choose The Sheffield College?

As one of the region's largest providers of apprenticeships, The Sheffield College is more than just your local provider; we deliver the dedicated support you need to source, train and get the best out of your apprentice.

We can also provide a managed national apprenticeship training service through our membership of the Collab Group of 36 Colleges located around the country. This gives us the ability to meet your national training needs at locations in other parts of the country where appropriate.

We appreciate how difficult and time consuming it can be to recruit staff. That's why, when you recruit an apprentice with us, our dedicated apprenticeship recruitment service, Job Connect, will advertise the vacancy, engage your candidates and even pre-screen them to make the process as easy as possible for you.

We help you get the best deal by finding the right funding and we handle the paperwork to make the process of arranging an apprenticeship training programme as smooth as possible. Our employer partnership team, apprenticeship tutors and assessment staff are experts, and we invest time and money in training and upskilling them regularly so their knowledge is up-to-date and industry standard.

At The Sheffield College we go above and beyond; we know that every business is different and we help to develop apprentices who will meet the needs of your business.

Get In Touch

Email:

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Call:

0114 260 2600

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