Bootcamp - Welding

Bootcamp overview

Bootcamps are intensive, fast-paced training programmes designed to quickly develop practical, job ready skills in a specific area. They typically run for 6 to 10 weeks and involve between 60 and 150 guided learning hours (GLH). Bootcamps focus on hands-on, applied learning rather than theory, and are often tailored to meet current industry needs, particularly in sectors like digital, tech, green energy, and health.

Bootcamps are aimed at adults looking to upskill, retrain, or change careers, and are commonly delivered through partnerships between training providers, employers, and government schemes. Many include employer engagement, project work, and direct links to job opportunities at the end. They offer a flexible and focused alternative to longer qualifications, often leading straight into employment or further training.

In welding, there are three separate bootcamps available, one each for TIG, MIG, and MMA processes, allowing learners to focus on the specific technique most relevant to their goals or local industry demand. Each bootcamp provides structured, hands-on training in the chosen welding method, developing the practical skills and confidence needed to carry out high quality welds to industry standards.

These focused bootcamps are particularly suited to individuals seeking to specialise or meet entry requirements for further qualifications or employment in sectors such as construction, manufacturing, or engineering. Learners can choose to complete one or progress through multiple bootcamps to broaden their skillset.

NOCN Welding Skills Bootcamp Bundle:

Components	Ofqual Reference	Resources	Total qualification time	Guided learning hours
NOCN Level 2 Award in Welding	610/5546/3	Welding Skills Short Course eLearning	100	84
Employability Skills (can be taken as a whole or selecting individual modules as needed from Personal Branding for Career Success, High Impact CVs, Interview Excellence)	n/a	eLearning	10	8
Entry guidance There are no formal entry requirements for this bootcamp.		**Funding** MCA/GLA/Central funding available.		**Total GLH** 92

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Content Overview

As well as focusing on a level 2 welding qualification, each bootcamp includes a set of additional courses designed to add value and enhance the learner's employability. A key feature is the inclusion of a regulated unit on Health and Safety in the Workplace – Engineering, which ensures that all learners gain a strong understanding of safe working practices, hazard awareness, and risk management within an engineering environment. This not only supports progression into employment but also builds a strong foundation for future qualifications in the sector.

In addition to the technical and safety training, each bootcamp also includes a range of employability focused elements. These may include CV building, interview preparation, communication skills, and teamwork activities. By combining hands on welding training with broader workplace skills and a recognised health and safety qualification, the bootcamps offer a well rounded pathway into the engineering industry. This holistic approach helps learners stand out to employers and increases their readiness for immediate entry into work or progression into an apprenticeship or further study.

Components of a Welding Bootcamp

- NOCN Level 2 Award in Welding
- Employability Skills (can be taken as a whole or selecting individual modules as needed from Personal Branding for Career Success, High Impact CVs, Interview Excellence)

Delivery

The welding bootcamp is designed to be delivered over a 6 to 16 week period, combining flexible eLearning with hands on practical training.

Core Aim – L2 Award in Welding

The qualification has 2 units, one optional and one mandatory. The mandatory one is around health and safety in an engineering setting. There is a PowerPoint to support the delivery of this unit, which provides essential knowledge and awareness for working safely in technical environments. This unit is delivered by the centre over 24 guided learning hours (GLH) and covers key topics such as health and safety legislation, personal responsibilities in the workplace, identifying risks and hazards, implementing appropriate control measures, and understanding safety signage, all within the context of an engineering setting.

This content is to be designed and taught by the centre to cover all of the learning outcomes within the unit. On completion of the taught component, learners undertake a multiple choice Test through NOCN's online assessment platform. Successfully passing this test confirms their knowledge and forms an essential part of the overall bootcamp outcome.

The optional unit is based on the process the learners wish to undertake (MIG/TIG/MMA). This unit begins with a knowledge based short course that covers essential theory including health and safety in the chosen welding process, material properties, joint types and preparation techniques, specific requirements of the selected welding process (TIG, MIG, or MMA), and quality control measures. This section is delivered entirely through eLearning, allowing learners to progress at their own pace without the need for direct tutor support. It is expected to take around 10 GLH to complete this section

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Following the eLearning component, learners are required to complete an MCQ test on the TCS platform that reinforces their understanding and captures evidence of learning. This takes approximately one hour and is marked by the system.

Once the knowledge component is completed, learners move into the practical phase. This is delivered in a simulated environment or workshop by the centre's welding tutor, with 50 guided learning hours (GLH) allocated to developing hands on skills in the chosen welding process.

When the tutor is confident the learner is ready, they will complete a final practical assessment lasting three hours, which includes a practical welding task supported by a discussion related to what was observed.

Additional Bootcamp Content

In addition to the core training and H&S, each bootcamp also includes an employability skills short course designed to strengthen learners' readiness for work and support successful progression into employment. This course is delivered through flexible e-learning over 8 GLH and consists of three structured modules: Personal Branding for Career Success, High Impact CVs, Interview Excellence.

The course content includes key topics such as understanding personal skills and employer expectations, effective written communication, developing strong CVs and cover letters, completing job applications, and preparing for interviews. Learners will also explore non-verbal communication and how to present themselves with confidence during interviews.

The course is completed online at the learner's own pace, supported by interactive activities, reflection tasks, and short knowledge checks. Assessment is set and marked by the centre to assess understanding of each module. This employability element is an important part of the bootcamp, helping learners present themselves professionally and confidently when applying for roles or progressing into further training.

Assessment

Each aspect of the course as an assessment to ensure learning has taken place.

NOCN L2 Award in Welding

MCQ on TCS platform to cover knowledge and a practical assessment with questions to cover the skills

Employability Skills

Internally set and internally assessed assessments set by the centre

Progression opportunities

To ensure the bootcamps meets its intended aims, all learners must be offered an interview with a suitable employer as part of their successful completion. This employer engagement is a key outcome of the programme and helps bridge the gap between training and the workplace. It provides learners with a valuable opportunity to demonstrate their skills, gain feedback, and potentially secure a job or apprenticeship within the engineering or manufacturing sectors.

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Typical roles learners may progress into include Welder/Fabricator, Engineering Operative, Production Technician, or Maintenance Assistant, depending on their chosen welding process (TIG, MIG, or MMA) and the needs of local employers. Industry sectors include construction, automotive, marine, oil and gas, renewable energy, and general manufacturing.

Following the bootcamp, learners may also choose to continue their development by progressing onto formal qualifications such as a Level 2 or Level 3 Diploma in Welding and Fabrication, a Level 2 Engineering Operative apprenticeship, or other technical routes within the wider engineering pathway. This progression helps build on the strong foundation developed during the bootcamp and supports long term career growth in the industry.

Website Location

Each of the qualifications, courses or units that sit within our bundles can be found on our website, please see below:

- NOCN Level 2 Award in Welding

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Who are we?

NOCN Group is an educational charity whose core aims are to help learners reach their potential and organisations thrive. The group includes business units specialising in regulated UK and international qualifications, End Point Assessment, Access to Higher Education, assured short courses, SMART job cards, assessment services, consultancy and research.

We influence: We work closely with regulators and governments to influence policy decisions affecting the sector on behalf of the providers we serve.

We specialise: Our subject matter experts create learning content tailored to meet the future needs of the sectors we operate in.

We care: We aim to work in partnership with our customers, offering support and training to ensure an excellent learner experience.

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