APPRENTICESHIP STANDARD: METAL FABRICATOR L3

This apprenticeship offers hands-on experience and industry-relevant skills, preparing learners for a rewarding career in Cornwall's diverse engineering sector. With opportunities to work on a variety of projects, apprentices will gain valuable expertise that is highly sought after by local employers.

Level 3 · Apprenticeship · Truro College

TOP COURSE HIGHLIGHTS

INDUSTRY-STANDARD FACILITIES | HIGHLY EXPERIENCED TUTORS | DEVELOP SKILLS IN LINE WITH INDUSTRY NEEDS

LEARN FROM SECTOR EXPERTS

Gain invaluable insights and hands-on experience from industry expert tutors who bring real-world knowledge and expertise to the classroom. Their guidance will help you develop the skills and confidence needed to excel in your chosen field.

DEVELOP WORK-RELATED SKILLS

Enhance your practical abilities and gain hands-on experience that directly translates to the workplace. This apprenticeship course focuses on real-world applications, ensuring you are well-prepared to meet the demands of your chosen career.

ENJOY PROFESSIONAL SURROUNDINGS

Immerse yourself in a dynamic and supportive environment that mirrors the professional world. This apprenticeship course provides access to state-of-the-art facilities and resources, helping you to thrive and feel confident in your career journey.

WHY CHOOSE THIS COURSE?

This apprenticeship standard equips individuals with the skills to manufacture and repair a wide range of metal structures relevant to Cornwall's engineering sector. Examples include balconies and balustrades for residential and commercial buildings, fire exit stairways, and industrial walkways. Apprentices might also learn to work on mining and quarrying equipment, offshore structures like access platforms, and utility sector installations. This apprenticeship covers health and safety, quality control, and environmental protection, ensuring apprentices can work independently or as part of a team in diverse sectors like engineering, construction, and maritime. Ideal for those seeking a hands-on career in metal fabrication, this apprenticeship offers a pathway to becoming a skilled and competent metal fabricator.

WHAT WILL I LEARN?

Knowledge This apprenticeship covers essential knowledge areas such as health and safety regulations, environmental protection, and quality control standards. Apprentices will learn about different types of metals, including steel, aluminium, and titanium, and their properties. They will also gain an understanding of engineering drawings, specifications, and the principles of metal fabrication processes, including welding, cutting, and forming techniques. Additionally, apprentices will

become familiar with various tools used in metal fabrication, such as welding equipment (MIG, TIG, and arc welders), cutting tools (plasma cutters, oxy-fuel torches, and angle grinders), and forming tools (press brakes and rollers). **Skills** Throughout the apprenticeship, apprentices will develop practical skills in metal fabrication, including the ability to set up and operate various tools and equipment safely and efficiently. They will learn to plan and prepare for fabrication activities, check materials for conformity, and handle resources correctly. Additionally, apprentices will be trained to work independently and as part of a team, ensuring the accuracy and quality of their work while adhering to health, safety, and environmental standards. They will also gain proficiency in using measuring and marking tools like calipers, micrometers, and steel rules to ensure precision and accuracy in their fabrication tasks. **Behaviours** This apprenticeship emphasises behaviours such as working safely and responsibly, demonstrating a strong work ethic, maintaining quality standards, and collaborating effectively within a team. Apprentices are also encouraged to show initiative, adaptability, and a commitment to continuous professional development. **Typical Duties that an Apprentice will carry out in the workplace:**

- Check materials: Confirming that materials conform to specified grades, dimensions, and thicknesses as identified on detailed engineering drawings.
- Fabricate metal structures: Using techniques such as welding, cutting, and forming to create and repair metal structures.
- Inspect and test fabricated components: Ensuring the quality and accuracy of work by conducting inspections and tests.

WHERE WILL IT TAKE ME?

Completing the Level 3 Metal Fabricator Apprenticeship opens up numerous career opportunities in the engineering and manufacturing sectors. Apprentices can progress to roles such as skilled metal fabricators, welders, or fabrication supervisors. With further training and experience, they may advance to positions like project managers or engineering technicians.

ENTRY REQUIREMENTS

Grade 4 GCSE (C) in English and Maths plus one other relevant subject.

IMPORTANT

Course information can change. Please use the QR code below for the current assessment arrangements, entry requirements and start dates.

FOR THE LATEST COURSE INFORMATION

Scan for assessment arrangements, learner support, confirmed start dates and how to apply.