APPRENTICESHIP STANDARD: COMPOSITES TECHNICIAN L3

Level 3 · Apprenticeship · STEM & Health Skills, Bodmin

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?

Unlock Your Future in Advanced Manufacturing: This apprenticeship equips learners with specialisedskills in creating and working with composite materials, offering hands-on experience and expert training. Graduates will be prepared for exciting roles such as Composites Designer, Tool-Maker, Laminator, Inspector, and Repairer, making them valuable assets in the field of advanced manufacturing.

WHAT WILL I LEARN?

Knowledge This apprenticeship covers a comprehensive range of knowledge essential for working in the composites industry. Apprentices will learn about the characteristics and applications of composite materials, including various types of resins like polyester, epoxy, and bio-resins. They will gain an understanding of the maths, science, and engineering principles underpinning composites technology. The course also emphasises the importance of working safely and collaboratively, as well as promoting equality and diversity in the workplace. Additionally, apprentices will be trained in the use of state-of-the-art equipment and processes involved in design, tooling, moulding, curing, machining, inspection, testing, and repair of composite material. Skills This apprenticeship equips learners with a diverse set of skills essential for the composites industry. Apprentices will develop proficiency in selecting appropriate techniques, procedures, and methods for part manufacture. They will learn to identify and select materials such as resins, matrix, and core, and design and prepare mould tools. Additionally, apprentices will gain skills in designing and manufacturing components, as well as selecting consumables required for project completion. The programme also covers curing, testing, inspection, and repair processes, ensuring apprentices can work effectively and safely in various manufacturing environments. Behaviours Apprentices in the Composites Technician programme are expected to demonstrate behaviours such as working safely

and collaboratively, maintaining a positive attitude, showing initiative, and promoting equality and diversity in the workplace. Typical Duties that an Apprentice will carry out in the workplace:

- Preparing Mould Tools and Materials: Organising and preparing mould tools and materials for composite processing activities.
- Composite Processing: Conducting composite processing activities by following technical instructions to produce components or final products.
- Quality Assurance: Performing quality assurance processes, including checking equipment and tooling for future usability and ensuring products meet quality specifications.

WHERE WILL IT TAKE ME?

This Apprenticeship Standard can lead to a variety of exciting career opportunities in high-tech industries such as aerospace, automotive, marine, and renewables. Additionally, the skills and knowledge gained from this apprenticeship are highly valued, opening doors to advanced positions in composite materials manufacturing and quality assurance. This apprenticeship provides a solid foundation for a rewarding career in advanced manufacturing technologies, with plenty of room for growth and specialisation.

ENTRY REQUIREMENTS

Grade 4 GCSE (C) in English and Maths.

IMPORTANT

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