

# APPRENTICESHIP STANDARD: MECHATRONICS MAINTENANCE

## TECHNICIAN L3

This apprenticeship offers hands-on experience, professional recognition, and the opportunity to work with cutting-edge technology in diverse industries, ensuring a rewarding and dynamic career path.

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 apprentices with the skills to maintain and optimise complex automated equipment across industries such as aerospace, automotive, mining, manufacturing, and pharmaceuticals. Apprentices will gain expertise in mechanical, electrical, electronic, and control systems, ensuring plant and equipment meet high standards of safety, quality, and efficiency. With hands-on experience in installation, testing, fault-finding, and planned maintenance, apprentices will be prepared to tackle diverse challenges in various environments, from factories to workshops. Join us to develop your technical skills and achieve professional recognition in a field that is integral to modern industry.

### WHAT WILL I LEARN?

**Knowledge** This apprenticeship equips apprentices with comprehensive knowledge in various disciplines, including mechanical, electrical, electronic, and control systems. They will learn about the principles of fluid power, including hydraulics and pneumatics, and how these systems are used in automated equipment. The programme covers safety regulations and standards, ensuring apprentices understand the importance of maintaining a safe working environment.

#### FOR THE LATEST COURSE INFORMATION

Scan for assessment arrangements, learner support, confirmed start dates and how to apply.  
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Additionally, apprentices will study the integration of automated equipment, learning how different systems and components work together to create efficient and reliable machinery. This includes understanding complex systems and interfaces, such as programmable logic controllers (PLCs), human-machine interfaces (HMIs), and robotics, which are essential for modern manufacturing and engineering processes. **Skills** This apprenticeship equips learners with practical skills in installation, testing, fault-finding, and planned maintenance of automated equipment. Apprentices will develop the ability to rectify issues, perform modifications, and carry out ongoing maintenance activities. They will also learn to prepare for maintenance tasks, communicate effectively with stakeholders, and adhere to safe engineering practices. Examples of tasks include installing and testing new machinery, diagnosing and fixing faults in automated systems, performing routine maintenance to prevent breakdowns, and updating technical documentation. **Behaviours** Apprentices are expected to demonstrate a proactive approach to safety, effective communication, teamwork, adaptability, and a commitment to continuous improvement and professional development. **Typical Duties that an Apprentice will carry out in the workplace:**

- **Installation:** Setting up new automated machinery and equipment, ensuring they are correctly integrated into existing systems.
- **Fault-Finding:** Diagnosing and troubleshooting issues in mechanical, electrical, electronic, and control systems to identify and rectify faults.
- **Planned Maintenance:** Performing routine maintenance tasks to prevent equipment breakdowns and ensure optimal performance.

## WHERE WILL IT TAKE ME?

Completing the Mechatronics Maintenance Technician Apprenticeship opens doors to a variety of career opportunities in the advanced manufacturing and engineering sectors. Apprentices can progress to roles such as Maintenance Engineer, Automation Engineer, or Systems Technician. With experience, there are further opportunities to advance into supervisory or managerial positions, or to specialise in areas like robotics, control systems, or project management.

## 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.

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