

## **Mechatronics Maintenance Technician (ST1326) Level 3 Apprenticeship**

Mechatronics maintenance technicians carry out a broad range of activities which may include installation, testing, fault finding, rectification, modifications and the on-going planned maintenance of complex automated equipment. This requires the application of a blend of skills, knowledge and occupational behaviours across the electrical, electronic, mechanical, fluid power and control systems disciplines. This requires the application of a blend of skills, knowledge and occupational behaviours across the electrical, electronic, mechanical, fluid power and control systems. They prepare for the maintenance activity and inform stakeholders of work status. They also complete documentation, handover work, set up their work area and are required to be competent in safe engineering practices for their own safety and those around them.

Apprentices will achieve a Level 3 Diploma in Advanced Manufacturing Engineering (development Knowledge).

They will also achieve in addition to this the Level 3 NVQ Extended Diploma in Engineering Maintenance as an additional qualification at no extra charge.

### **Expected course duration**

**4 years.**

### **College attendance**

- **1<sup>st</sup> year attend 3 days Monday, Tuesday and Wednesday**
- **2<sup>nd</sup> and 3<sup>rd</sup> year 1 day a week**
- **Final year 1 day of day release every 3 months**

### **When do annual college day release intakes take place?**

**September 2025.**

### **When can the apprentice start employment?**

**July/August.**

### **When can the apprenticeship training start?**

**September.**

### **Course content**

**Areas covered include:**

**Knowledge, skills and behaviours developed:**

- Health and safety
- Planning and scheduling work
- continual professional development
- continuous improvement techniques and problem solving
- environmental and sustainability

- information technology
- quality assurance and processes
- team working, equity, diversity and inclusion
- verbal communications
- Condition monitoring and testing
- Maintenance activities
- Fault diagnosis and rectification

## Entry requirements

- Maths and English GCSE minimum Grade 4

## Assessment methods

Observations, professional discussions, written job reports.

## Qualification

Level 3 Diploma in Advanced Manufacturing Engineering (Development Knowledge)

Level 3 Extended Diploma in Engineering Maintenance

## What training is required in the workplace?

Employer to ensure workplace training is in line with the Standard's Knowledge, skills and behaviours.

## Further study and career options

Level 4 Engineering Manufacturing Technician.

## Additional information

Apprentices will need to ensure they have PPE for the practical workshop delivery this includes overalls, steel toecap boots, safety goggles and gloves.

## Campuses

Tresham College Corby Campus.

**For more information, please visit here:**

[Mechatronics maintenance technician / Institute for Apprenticeships and Technical Education](#)

## How to apply

Through the apprenticeship vacancy page of our website:

<https://bedfordcollegegroup.ac.uk/study/apprenticeships/apprenticeship-vacancies/>

and the national apprenticeship website:

<https://www.apprenticeships.gov.uk/>