

Engineering and Manufacturing Support Technician (ST1395) Level 3 Apprenticeship

Engineering and manufacturing support technicians support the work of engineers by the provision of technical support and expertise for areas of the engineering and manufacturing function. Engineering and manufacturing support technicians will be responsible for the quality, accuracy and timely completion of the work they undertake. They also must work efficiently. They must work both individually and as part of a larger team. They must work within the relevant health, safety, and environmental regulations and guidance. This includes the appropriate use of protective clothing and equipment.

Apprentices will achieve a Level 3 BTEC Diploma in Engineering and Manufacturing Support Technologies. They will also achieve in addition to this the Level 3 NVQ Diploma in Engineering Maintenance as an additional qualification.

Expected course duration

4 years.

College attendance

Bedford – Year 1 – 2 days attendance, Year 2 – 1 day attendance, Year 3 – 1 day attendance, Year 4 – Workplace assessments.

Leighton Buzzard - Year 1 – 1 day attendance, Year 2 – 1 day attendance, Year 3 – 1 day attendance, Year 4 – Workplace assessments.

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:

Hand fitting, Milling, Turning, Wiring and testing electrical equipment and circuits, Forming and assembling electrical cable enclosure and support systems, Assembling and testing electronic circuits and maintaining electronic equipment/systems

Knowledge, skills and behaviours developed:

- Health and safety
- Planning and scheduling work
- Technical support

- Documentation output
- Resource management
- Recording information
- the engineering and manufacturing industry, role and continual professional development
- continuous improvement techniques and problem solving
- environmental and sustainability
- digitisation and emerging technologies
- information technology and digital systems
- standard operating procedures and manufacturer's instructions and warranties
- quality assurance and processes
- team working, equity, diversity and inclusion
- verbal communications

Entry requirements

Maths and English GCSE minimum Grade 4

Assessment methods

Observations, professional discussions, written job reports.

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

Study is available at the following campuses: Bedford College / Central Bedfordshire College (Leighton Buzzard Campus).

For more information, please visit here:

[Engineering and manufacturing support technician / Institute for Apprenticeships and Technical Education](#)

How to apply

Through the apprenticeship vacancy page of our website:

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

and the national apprenticeship website:

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