

# ENGINEERING TECHNICIAN

Engineering Technicians take responsibility for the quality and accuracy of the work they undertake within the limits of their personal authority. They also need to be able to demonstrate a core set of behaviours in order to be competent in their job role, complement wider business strategy and development. This will enable them to support their long-term career development.

## Course Overview

Engineering Technicians in the Aerospace, Aviation, Automotive, Maritime Defence and wider Advanced Manufacturing and Engineering Sector are predominantly involved in highly skilled, complex work and must, as a minimum be able to:

- Apply safe systems of working
- Make a technical contribution to either the design, development, quality assurance, manufacture, installation, commissioning, decommissioning, operation or maintenance of products, equipment, systems, processes or services
- Apply proven techniques and procedures to solve engineering/manufacturing problems
- Demonstrate effective interpersonal skills in communicating both technical and non-technical information
- Have a commitment to continued professional development

Engineered and manufactured products and systems that Engineering Technicians work on could involve mechanical, electrical, electronic, electromechanical and fluid power components/systems.

Award on  
successful completion  
Apprenticeship Standard  
Engineering Technician  
Level 3

Study type  
Day Release

Level  
3

Start date  
September

Duration  
42 months

Location  
Worcester Campus

## Entry requirements

Individual employers will set the recruitment and selection criteria for their Apprenticeships. In order to optimise success, candidates will typically have 4 GCSEs at Grade C/4 or equivalent, including Mathematics, English and a Science.

## Modules

- Health and Safety in the Engineering Workplace
- Communications for Engineering Technicians
- Mathematics for Engineering Technicians
- Engineering Project
- and 4 more optional units

## Methods of assessment

Progress and development will be assessed at regular stages - this is likely to be a combination of assignments, activities, exams, reflective discussions and observations in the workplace.

The employer and training provider will formally sign-off the apprentice's readiness for the independent End Point Assessment (EPA) at 'gateway'. Gateway is the point at which the apprentice has met and can confidently apply the minimum knowledge, skills and behaviours required, as detailed within the apprenticeship standard.

The End-Point Assessment (EPA) will consist of 2 distinct components:

- Occupational competence validation interview (Viva)
- Professional competence assessment

Performance in the EPA will determine the overall apprenticeship grade i.e. pass or distinction.

## Typical Job Roles

Engineering Technician, Aerospace Technician, Aviation Engineer, Maritime Engineering, Machinist, Mechatronics Engineer and Toolmaker.

## What can I do next?

Continue to develop and work in the industry.

Progress onto a Level 4 Engineering Apprenticeship.