

Level 3 Engineering Technician (ST0457)

Product Information Sheet

Duration to Gateway: 42 Months

Funding: £26,000

<https://www.instituteforapprenticeships.org/apprenticeship-standards/engineering-technician/>

Occupation Summary

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.

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 to be competent in their job role, complement wider business strategy and development. This will enable them to support their long-term career development.

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

NOTE: Please refer to the link above for Knowledge, Skills, Behaviours and duty requirements.

Typical Job Roles Include:

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

Sector Wide (Offered by GET)

- Mechatronics Maintenance Technician
- Product Design and Development Technician
- Toolmaker and Tool and Die Maintenance Technician
- Technical Support Technician

Aerospace and Aviation (Not offered by GET)

- Aerospace Manufacturing Fitter
- Aerospace Manufacturing Electrical/Mechanical and Systems Fitter
- Aircraft Maintenance Fitter/ Technician (Fixed and Rotary Wing)
- Airworthiness, Planning, Quality and Safety Technician

Maritime Defence (Not offered by GET)

- Maritime Electrical Fitter
- Maritime Mechanical Fitter
- Maritime Fabricator
- Maritime Pipeworker

Pathways

Mechatronics Maintenance Technician: (includes Foundation Gateway qualification)

- Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) **601/7179/0 (Year 1)**
- Level 2 Award for Foundation Phase Gateway Assessment **601/9035/8 (End of Year 1)**
- Level 3 Diploma in Advanced Manufacturing Engineering (Development Competence) - Mechatronics Maintenance Technician **601/8875/3 (Years 1 & 2)**
- Level 3 Diploma in Advanced Manufacturing Engineering (Development Knowledge) **603/1353/5 (Year 2 onwards)**

Toolmaker and Tool and Die Maintenance Technician:

- Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) **601/7179/0 (Year 1)**
- Level 3 Diploma or Extended Diploma in Advanced Manufacturing Engineering (Development Knowledge) **603/1353/5 (Years 1 & 2)**

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- Level 3 Diploma in Advanced Manufacturing Engineering (Development Competence) - Toolmaker, Tool, and Die Maintenance **603/1221/X (Year 2 onwards)**

Technical Support Technician:

- Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence) **601/7179/0 (Year 1)**
- Level 3 Diploma or Extended Diploma in Advanced Manufacturing Engineering (Development Knowledge) 603/1353/5 (**Years 1 & 2**)
- Level 3 Diploma in Advanced Manufacturing Engineering (Development Competence) Technical Support **603/2290/1 (Year 2 onwards)**

End Point Assessment (EPA)

Consists of the following methods:

- Portfolio of Evidence
- Competence Performance Indicators Form and any supporting evidence.
- Occupational Competence - Occupational Competence Validation Interview (Viva)
- Independent Assessment of Professional Competence (EngTech/MPC) and quality assurance of the Employer Viva

On Programme Requirements

12 weekly progress and behavioural reviews.