

Engineering Technician

Level

3

Duration

Typically 48 months

Levy Cost £26,000

Non-Levy Cost

Fully funded or 5% (£1,300)

Pathway Options:

Mechatronics | Technical Support Technician | Product Design and Development

How can an Engineering Technician apprenticeship benefit my business?

Apprenticeships are an excellent way to support your organisation by harnessing motivated talent whilst developing employees who have skills tailored to your business needs.

Who is the Engineering Technician apprenticeship for?

The Engineering Technician apprenticeship is suitable for anyone who works in advanced engineering and manufacturing. Engineering Technicians in the Aerospace, Aviation, Automotive, Maritime Defence and wider Advanced Manufacturing and Engineering Sector are predominantly involved in highly skilled, complex work. Typical job roles include: Engineering Technician, Aviation Engineer, Maritime Engineering, Machinist, Mechatronics Engineer and Toolmaker.

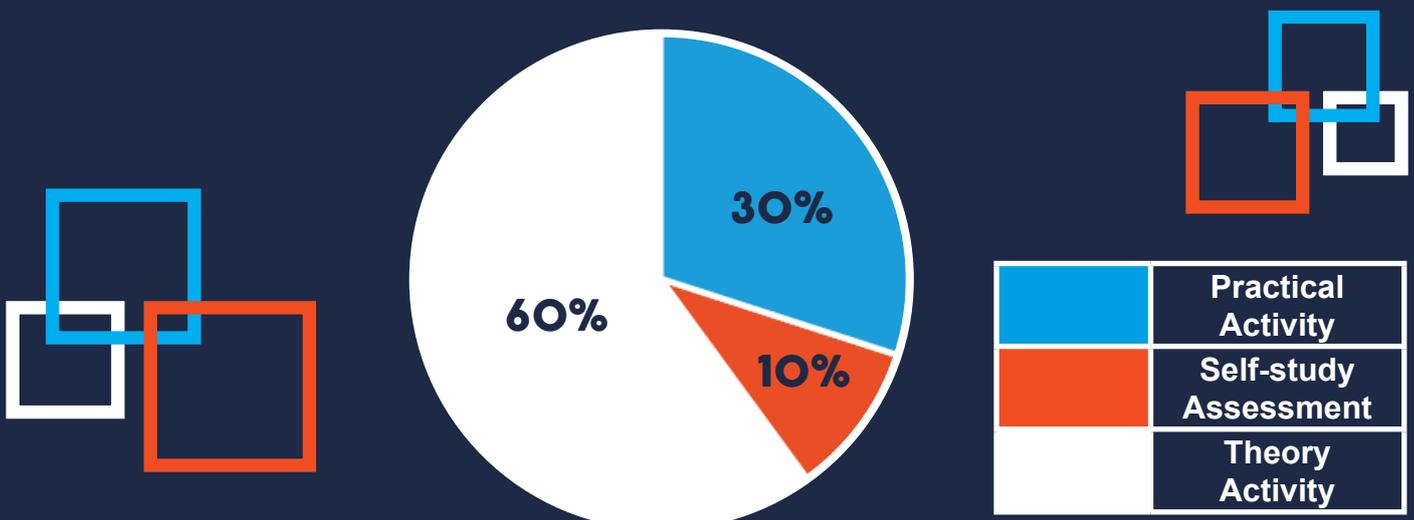
What will it cost the business to take on an apprentice?

Levy-paying employers in England can use funds in their Apprenticeship Service Account to fund apprenticeship training costs.

Non-levy paying employers: The government will fund between 95% - 100%* of the cost of training an apprentice.

*This depends on how many people are employed within the company, the age of the apprentice and also if they have been in care or have a Local Authority Education, Health and Care Plan (EHCP).

How is the '20% off-the-job' training delivered?



Functional Skills

If your apprentice does not hold a GCSE 4/5 or equivalent in English and maths, they will be required to complete functional skills. Delivery options will be agreed upon before the commencement of the apprenticeship.

End Point Assessment

The EPA tests and validates the knowledge, skills and behaviours that an apprentice has gained during their training and demonstrates the competence of an apprentice in their role. This assessment for the Engineering Technician apprenticeship consists of:

- Portfolio Submission Assessment (Viva)
- IMECHE Professional Interview

The Learner Journey

Month 1	Sign-up and induction	Induction · Skills Scan
Months 2 - 43	On programme	Year 1: Engineering fundamentals delivered in our practical workshop · Years 2-4: delivered in Colchester utilising our excellent classroom facilities and workshops.
Months 44 - 47	Gateway to EPA	EPA Mocks
Month 48	EPA	Portfolio Submission Assessment (Viva) · IMECHE Professional Interview

Classroom Delivery

Two days a week for Year 1 then 1 day a week for Years 2,3 and 4 (day release). Alternatively 5 days a week for the first 6 months then 1 day a week for remaining 3.5 years.

Professional Memberships

Completion of the Engineering Technician Apprenticeship is designed to be recognised by relevant Professional Engineering Institutions at the appropriate level of professional registration (EngTech).

Pathway 1: Mechatronics

Mechatronics Maintenance Technicians ensure that plant and equipment perform to the required standard to facilitate production targets regarding safety, quality, delivery and cost within high value manufacturing environments. Typically the work would cover a broad range of activities include installation, testing, fault finding and the on-going planned maintenance of complex automated equipment. This requires the application of a complex blend of skills, knowledge and occupational behaviours.

Additional Qualifications

- Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence)
- Level 3 Diploma in Advanced Manufacturing Engineering (Development Competence) – Mechatronics Maintenance Technician
- Level 3 Diploma in Advanced Manufacturing Engineering (Development Knowledge)

Progression

On completion of the apprenticeship progression opportunities include:

- HNC Electrical & Electronic Engineering (Level 4)
- HND Electrical & Electronic Engineering (Level 5)
- Degree Manufacturing Engineer (Level 6)

Pathway 2: Product Design and Development

Product Design & Development Technicians primarily work on all stages of product creation and modification. They support activities ranging from early concept feasibility, design and development stages right through to final preparation for launch and customers. This includes working in concept studios, rapid prototyping, assembly, testing, validating and analysing performance.

Additional Qualifications

- Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence)
- Level 3 Diploma in Advanced Manufacturing Engineering (Development Competence) – Product Design & Development
- Level 3 Diploma in Advanced Manufacturing Engineering (Development Knowledge)

Progression

On completion of the apprenticeship progression opportunities include:

- HNC Mechanical Engineering (Level 4)
- HND Mechanical Engineering (Level 5)
- Degree Manufacturing Engineer (Level 6)

Pathway 3: Technical Support Technician

Technical Support Technicians, work as part of a team to provide technical support and expertise for all areas of the Engineering and Manufacturing function including communications software, test, analysis tools, measurement, off line programming, process control, performance and continuous improvement solutions, capacity planning, production scheduling/planning, product technical applications and capability, technical sales and marketing support, product development and innovation, engineering drawing, purchasing and/or supply of goods or services for engineering activities, quality control, inspection and e-commerce technologies as required. The requirements are designed to offer stretch and progression. They will be able to work with minimum supervision, taking responsibility for the quality, accuracy and timely delivery of the work they undertake. They will be proactive in finding solutions to problems and identifying areas for improving the business.

Additional Qualifications

- Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence)
- Level 3 Diploma in Advanced Manufacturing Engineering (Development Competence) – Technical Support Technician
- Level 3 Diploma in Advanced Manufacturing Engineering (Development Knowledge)

Progression

On completion of the apprenticeship progression opportunities include:

- HNC Mechanical Engineering (Level 4)
- HND Mechanical Engineering (Level 5)
- Degree Manufacturing Engineer (Level 6)