

Engineering and Manufacturing Support Technician Apprenticeship Level 3

Study Mode: Full Time, Work Based Learning

Is this course right for me?

Support technicians work across a variety of engineering and manufacturing environments, including aerospace, automotive, maritime, defence, and advanced manufacturing. Their role is to support the design, development, quality assurance, production, and maintenance of engineered products and services.

What Does the Role Involve?

As an Engineering and Manufacturing Support Technician, you will:

- Apply safe systems of work
- Contribute technically to engineering and manufacturing processes
- Assist in quality control, planning, documentation, testing, and reporting
- Use approved techniques and procedures to solve engineering/manufacturing problems
- Communicate technical and non-technical information effectively
- Commit to continual personal and professional development

Typical Job Roles

- Engineering Technician
- Aerospace Technician
- Quality Technician
- Manufacturing Support Engineer
- Toolmaker

Entry Requirements

Individual employers set their own criteria, but candidates typically require:

- Four GCSEs at Grade C/4 or above, including maths (preferably Grade B/5), English, and a science.

What will I learn?

You will develop **core engineering knowledge**, including:

- Health, safety and statutory compliance
- Engineering mathematical and scientific principles
- Engineering materials and their properties
- Common workplace problems and diagnostic techniques
- Organisational structure and roles
- Interpreting technical documentation
- Process improvement techniques

What skills will I gain?

You will develop **core skills** such as:

- Interpreting and using technical documents
- Following processes and procedures
- Performing quality checks
- Recording and reporting accurately
- Working safely and efficiently

And you will also display **professional behaviours** including:

- Personal responsibility and ethical working
- Teamwork and collaboration
- Effective communication
- Focus on quality and continuous improvement

How will I be assessed?

- Ongoing workplace assessments by a qualified assessor
- Training and support from expert college tutors
- Final End Point Assessment to demonstrate competence across all knowledge, skills, and behaviours

What can I do next?

Upon successful completion, apprentices can:

- Progress to a Level 4 HNC in Engineering
- Achieve professional registration as an Engineering Technician (EngTech)

Delivery

Location:

Start Date: 01/09/2025

Day:

Time:

Course Fee:

Course Code: AP0173

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