

Engineering Manufacturing Technician

Sector	Engineering
Who is it for?	New recruits and existing staff who have completed Level 3
Start date	Multiple start dates throughout the year
Level	4
Duration	42 months plus end-point assessment
End-point assessment	Ongoing assessment and final grading through end-point assessment
Qualification	HNC in Engineering
Delivery model	Weekly college session

This standard aims to give the Apprentice the knowledge, skills and behaviours to successfully complete engineering manufacturing technician tasks and duties.

Day-to-day tasks may include gathering and analysing data, solving problems, and producing or updating technical documentation related to quality, reliability, production schedules, and cost.

Typical job roles include:

Costing engineer

Installation engineer

Manufacturing procurement engineer

Process engineer

Quality engineer

Test and commissioning engineer

What your Apprentice will learn



Apprentices develop knowledge, skills and behaviours to be able to work effectively in their job role.

These form the Apprenticeship standard that has been developed and agreed with employers.

The knowledge, skills and behaviours that your Apprentice will learn include:

Knowledge

Problem-solving techniques

Effective communication

Applying lean methods such as Six Sigma and Kaizen

Principles of quality control and assurance

Understanding of Industry 4.0

Skills

Extracting and analysing engineering and manufacturing data

Using project management tools like SWOT analysis and risk mapping

Using problem-solving methods such as RCA, PFMEA, and Fishbone analysis

Generating manufacturing documentation, including quality adherence reports and cost analysis, and communication

Applying lean techniques such as Six Sigma and 5S

Behaviours

Environmental considerations

Professional development




Health and safety conscious

Teamwork



Get in touch

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