

Engineering Manufacturing Technician

Level: 4

Duration: 45 months

Engineering Manufacturing Technicians provide specialist technical support to optimise production processes, improve efficiency, and ensure quality in manufacturing environments.



Apprenticeship overview

Core skills, knowledge and behaviours you will learn

- Project management and resource planning
- Lean manufacturing and “Six Sigma” principles
- Quality control and performance monitoring
- To manage change and production upgrades
- Advanced data analysis for process improvement

Where you might work

- High-volume manufacturing plants
- Pharmaceutical production facilities
- Electronics and semiconductor factories
- Food and beverage manufacturing

Typical job roles

- Manufacturing Engineer
- Production Technician
- Process Improvement Specialist
- Quality Engineer

Good to know

This is a “Higher Apprenticeship,” bridging the gap between hands-on work and management

You’ll focus on the “Big Picture”—how to make things faster, cheaper, and better

Expect to spend time both on the factory floor and in the boardroom

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