

Engineering Fitter

Level: 3

Duration: 45 months

Engineering Fitters assemble, install, and maintain complex machinery by fitting components together to precise specifications, often acting as the final stage of the manufacturing process.



Apprenticeship overview

Core skills, knowledge and behaviours you will learn

- Interpretation of advanced engineering drawings and diagrams
- The use of hand tools and machinery to shape and fit parts
- Precision measurement and testing of sub-assemblies
- Fault-finding and machinery maintenance
- Integrating mechanical, electrical, and fluid power systems

Where you might work

- Aerospace and automotive factories
- Marine and shipbuilding yards
- Renewable energy plants (Wind/Solar)
- Precision toolmaking workshops

Typical job roles

- Mechanical Fitter
- Maintenance Fitter
- Assembly Technician
- Pipe Fitter

Good to know

Think of it as “industrial-scale Lego”—but with much higher stakes

You’ll need a methodical mind and a steady hand for fine adjustments

The working environment can be noisy

Work involves heavy lifting

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