

# Machining Technician

<b>Sector</b>	Engineering
<b>Who is it for?</b>	New recruits and existing staff
<b>Start date</b>	September
<b>Level</b>	3
<b>Duration</b>	42 months plus three month end-point assessment
<b>End-point assessment</b>	Ongoing assessment and final grading through end-point assessment
<b>Qualification</b>	Level 3 Manufacturing Technician
<b>Delivery model</b>	Weekly college session

This standard aims to give the Apprentice the knowledge, skills and behaviours to provide specialist technical support for engineers.

Day-to-day tasks would include producing complex and precision work using metal or specialist materials using conventional or CNC machine tools. Machining technicians interpret information and plan their activities. They also set up, operate and adjust machine tool settings.

## Typical job roles include:

CNC machinist

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Centre lathe turner

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Precision engineer

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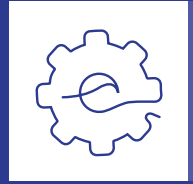
Borer

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Gear cutter

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# 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

Awareness of environment and sustainability regulations

Engineering materials and their structure, properties and characteristics

Tooling and work-holding devices

Engineering representations, drawings and specifications

Engineering mathematical and scientific principles

Planning techniques

## Skills

Planning, setting up, operating and adjusting conventional or CNC machines

Identifying and actioning issues in the manufacturing process

Applying machining operations and techniques to produce complex components

Applying continuous improvement techniques

Following and applying inspection, quality assurance procedures and processes

## Behaviours

Supports an equality, diverse and inclusive culture

Responsible

Acts ethically




Collaborative

Health and safety awareness



## Get in touch

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