

*Apprenticeship*  
**ENGINEERING TECHNICIAN**  
*Level 3*



*train | grow | succeed*

## Apprenticeship ENGINEERING TECHNICIAN Level 3

The Level 3 engineering technician Apprenticeship is for individuals who enjoy being stretched and challenged. It allows learners to develop the knowledge and practise the skills required for employment in the manufacturing industry

During their Apprenticeship they will be encouraged to work with minimum supervision, taking responsibility for the quality, accuracy and timely delivery of the work they undertake. They will be proactive in finding solutions to problems and identifying areas for improving the manufacturing process they are involved in.

### Who is the course aimed at?

The course is aimed at anyone who is willing to gain knowledge and skills to machinists in the Advanced Manufacturing Engineering sector who are involved in highly skilled, complex and precision work, machining components from specialist materials using conventional and/or CNC machine tools.

### What will you study?

You will study a range of subject areas, including but not limited to:

- ▶ *Complying with statutory regulations and organisational safety requirements*
- ▶ *Working efficiently and effectively in advanced manufacturing and engineering*

### Qualification gained

A Foundation Phase

- ▶ *Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence)*
- ▶ *Level 2 Diploma in Machining (Foundation Knowledge) Short answer questions*

A Development Phase

- ▶ *Level 3 Diploma in Advanced Manufacturing Engineering (Development Competence) – Machining*
- ▶ *Level 3 Diploma in Machining (Development Knowledge) Short answer questions*

- ▶ *Using and interpreting engineering data and documentation*
- ▶ *Setting and machining components using Lathes and milling machines*
- ▶ *Setting and machining components using CNC Lathes and milling machines*
- ▶ *Loading and proving CNC machine tool programs*

### Knowledge and skills that you will develop

A Foundation Phase

1. *Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence)*
2. *Level 2 Diploma in Machining (Foundation Knowledge) Short answer questions*

A Development Phase

3. *Level 3 Diploma in Advanced Manufacturing Engineering (Development Competence) – Machining*
4. *Level 3 Diploma in Machining (Development Knowledge)*

### Behaviours you will develop

- ▶ *Personal responsibility*
- ▶ *Work effectively in teams*
- ▶ *Effective communication and interpersonal skills*
- ▶ *Focus on quality and problem solving.*
- ▶ *Continuous personal development*

### Progression to further study

- ▶ *HNC in Engineering*
- ▶ *HND in Engineering*
- ▶ *Mechanical Engineering Degree*

### Entry requirements

Individual employers will set the recruitment and selection criteria for their Apprenticeships. In order to optimise success, candidates will typically have 4 GCSEs at Grade C/4 or equivalent, including maths, English and a Science.

### How long will it last?

Duration: 42 – 48 months (this does not include EPA period).

### How will it be delivered?

Foundation Competencies and Knowledge are delivered and assessed in college. Attend college 1 day a week to complete the developmental knowledge qualification. Development Competence will be assessed in the workplace in preparation for the EPA.

### How will it be assessed?

Independent End-Point Assessment.

Two part skills assessment:

- ▶ *Employer Occupational Competence Validation Interview (Viva)*
- ▶ *Professional Engineering Institution (PEI) Independent assessment of behaviours, knowledge, skills and generic engineering competencies for an Engineering Technician*

### Further details

On completion of the qualification, all apprentices will be required to undertake an end point assessment at an alternative venue to Southport College in order to fully complete the Apprenticeship.

### Who to contact

- ▶ *For more information please contact our Workforce Development Team on 01704 392874*