

Engineering Technician: Toolmaker and Tool and Die Maintenance Technician Apprenticeship Standard



Course Level: Level 3

Campus: Both

Subject Type: Construction & Engineering

Course Overview:

This Apprenticeship Standard offers a comprehensive training program for individuals interested in becoming skilled toolmakers or tool and die maintenance technicians. Apprentices learn to design, manufacture, and maintain precision tools and dies used in various manufacturing processes.

What's Covered:

What will be covered whilst training:

After a period of foundation skills and technical knowledge development all apprentices will be required to achieve the following qualifications:

- Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence)

After a further period of skills and technical knowledge development all apprentices will be required to achieve the following qualifications:

- Level 3 Diploma in Advanced Manufacturing Engineering (Development Competence) – Toolmaker, Tool and Die Maintenance
- Level 3 Diploma or Extended Diploma in Advanced Manufacturing Engineering (Development Knowledge)

You will also cover and provide evidence for a range of “behaviours”, which includes Personal Responsibility, Working in Teams, Effective Communication, Problem Solving and Continuous Personal Development.

Entry Requirements:

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

Assessment Information:

Your progress is monitored and assessments are arranged throughout the course and are usually done on-the-job and through day release to college.

Assessment has three aspects which include observation of your actual performance and your knowledge and understanding you display in response to written and/ or spoken questions, and a portfolio of support material which you will build up containing assignments, case studies and testimony evidence through the e-portfolio.

To achieve your qualification you will also need to achieve a pass in the end point

Fees and Financial Support:

While you are on an apprenticeship your employer pays you a salary and supports you whilst you undertake your training.

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**DfE Expert Training
Providers**

Results 13%

**above national
average**

Progression:

Typical job roles include:

Toolmakers and Tool & Die Maintenance Technicians are predominantly involved in the highly skilled, complex and specialist detailed work of manufacturing and maintaining the engineering tooling used to produce components, products and assemblies. These products, assemblies and systems affect all of our daily lives, whether it be for travel such as (cars, planes, boats and rail) energy, defence, food, clothing, packaging and health including medical equipment, devices and implants such as joint replacements. This requires the application of a broad range of activities including the interpretation of Engineering drawings and technical instructions and the use of hand, machine and automated computer controlled machine tools and measuring equipment.

Technicians must comply with applicable legislation and organisational safety requirements and be expected to work both individually and as part of a manufacturing team, working with minimum supervision, taking responsibility for the quality and accuracy of the work they undertake. They will be proactive in finding solutions to problems and identifying ways to improve the business

They will be expected to test and adjust the systems they have built or maintained ensuring tooling, jigs, fixtures and assemblies meet the required specification. This requires the application of a broad range of skills, knowledge and occupational behaviours across a range of engineering disciplines.

If you successfully achieve all parts of the apprenticeship, your assessor will discuss your next steps to take. Dependent on your roles and responsibilities, this may be the next level of the subject you have been studying already or a different pathway.

How do I find out more?

Telephone: 01782 254287 (Newcastle office) or 01785 275660 (Stafford office)

Email: apprenticeships@nscg.ac.uk