THE TRAFFORD COLLEGE GROUP

ENGINEERING TOOLMAKING

Level 3, Apprenticeship Framework

This Engineering Apprenticeship programme is designed for individuals who need recognition of their competence in a variety of engineering toolmaking activities and also need a nationally recognised qualification at Level 3. You may be working in a general engineering environment and would like to specialise in engineering toolmaking activities to develop and progress your career.

Based on national occupational standards for engineering, this Apprenticeship programme will develop skills and knowledge in one or more of a variety of competencies including:

- Producing and working with engineering drawings
- Using toolroom CNC and manual machining
- Producing components
- Working with composites
- Mould, tool and die equipment maintenance
- Jig and fixture manufacture
- Hand finishing techniques
- Manufacture and maintenance of tools and moulds used in manufacturing
- Welding and hand finishing techniques
- Manufacture of prototype components for new product development.

ELIGIBILITY/ENTRY REQUIREMENTS

As a guide, the Advanced Apprenticeship in Engineering Manufacture framework is suitable for applicants who have five GCSEs grade 4 or above including maths, English, and a Science. This is not a hard and fast rule but may vary according to the pathway chosen (operator, semi-skilled, craft or technician) and the suitability of individual candidates.

APPRENTICESHIP REQUIREMENTS

Apprentices should have a range of skills and attributes including:

- **Motivation to succeed within industry**
- **An awareness of the demands of the Apprenticeship**
- **Willingness to comply with employer/training provider terms and conditions of employment**
- **Have the ability to apply learning in the workplace**
- **Willingness to work with due regard to Health and Safety of self and others**
- **Effective communication with a range of people.**

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TYPICAL JOB ROLES IN THIS AREA INCLUDE:

Toolmaker (Manufacture), Toolmaker (Research and Development).

PROGRESSION ROUTE:

While significant numbers of Advanced Apprentices will seek internal progression to team leader or supervisory roles within their companies, some will want to progress to a Higher Apprenticeship in Engineering; others may decide to opt for a Foundation degree or HNC/HND. More generally, most ex-apprentices aspire to a combination of internal promotion while at the same time undertaking company sponsored qualifications as specified above.

KEY FACTS:	
Delivery location	Stretford Campus.
Typical duration	24-36 months, depending on delivery model.
Study mode/frequency	Different delivery options.
Apprenticeship Framework	Upon completing this apprenticeship, the learner will receive a recognised Diploma in Engineering.
Knowledge and skills	The designated technical certificates underpin the knowledge elements of the competence qualification in this pathway. The knowledge qualifications deliver essential underpinning knowledge which supports the fundamental scientific and mathematical principles to equip apprentices with the understanding required to operate effectively and efficiently at craft and technician level within this sub-sector.
Competency/skills or behaviours	n/a.
Functional Skills	Functional Skills will be required for English and Maths at level 2 if you have not already attained an equivalent qualification.
Assessment	• Learners will have the opportunity to develop their knowledge via summative assignment, group work and presentations. • Learners will build a portfolio of evidence to show skills attained within the workplace. Learners will collect a series of competency-based evidence along with assessor observations and discussions.

For further information contact START on **0161 886 7461** or email **start@tcg.ac.uk**

Stockport, Trafford, Apprenticeship, Recruitment Team

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