



# MANUFACTURING ENGINEERING (MECHANICAL) PATHWAY 3 AND (ELECTRICAL & ELECTRONICS) CONTINUATION OF PATHWAY 3

## Level 4, Apprenticeship Framework

The Higher Apprenticeship framework for Advanced Manufacturing Engineering at Level 4 has been designed to provide the manufacturing and engineering sectors with high grade technicians and engineers who have practical skills, combined with a higher education qualification. This will facilitate progression to Level 5/6 qualifications and enable them to work towards 'Incorporated Engineer' status. Higher Apprentices will undertake higher-level technical occupations in such sectors as aerospace, nuclear, mechanical, electrical/electronics, automotive, maintenance, wind generation, marine, space and rail engineering.

### ELIGIBILITY/ENTRY REQUIREMENTS

Higher Apprentices (age 18 to 24 years) must complete Level 4 NVQ Extended Diploma in Engineering Manufacture. However, if the relevant PEO units have already been achieved and certificated in a previous programme, for example applicants who have completed a Level 3 NVQ Extended Diploma as part of the Engineering Manufacture Level 3 framework, then they will be able to accredit these against the requirements of the Level 4 Extended Diploma.

\* Note: The Level 4 NVQ Diploma in Engineering Manufacture may be used by adult apprentices 25 years old and over, who must be able to demonstrate a practical ability comparable to 3 relevant practical PEO units at Level 2, along with the relevant health and safety training.

### 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.



## TYPICAL JOB ROLES IN THIS AREA INCLUDE:

Manufacturing Senior Technician, Senior Controls Technician (Mechanical Testing), Senior Production Technician, Mechanical Systems Senior Technician, Senior Quality Technician, Senior Environmental Test Technician (Defence).

## PROGRESSION ROUTE:

Progression to the Higher framework for Advanced Manufacturing (Mechanical - Level 6). Please note there is no Level 5 Higher Apprenticeship programme employment as a Technician in mechanical engineering in a variety of job roles and functions (see job roles).

### KEY FACTS:

<b>Delivery location</b>	Stretford Campus.
<b>Typical duration</b>	24 months.
<b>Study mode/frequency</b>	Day-release.
<b>Apprenticeship Framework</b>	HNC.
<b>Knowledge and skills</b>	The designated Foundation Degrees and 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 that equip apprentices with the understanding required to operate effectively and efficiently at a high level within this sub-sector.
<b>Competency/skills or behaviours</b>	The designated technical certificates underpin the knowledge elements of the competence qualification in this pathway. The knowledge qualifications support key areas of technical knowledge development needed for apprentices in engineering to carry out their duties in a safe and efficient manner.
<b>Functional Skills</b>	N/A.
<b>Assessment</b>	Learners will have the opportunity to develop their knowledge via summative assignment and build a portfolio of evidence to show skills attained within the workplace. Learners will collect 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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