



ELIGIBILITY/ENTRY REQUIREMENTS

- Aged 16+ years.
- Passionate about a career in engineering industry.
- Five GCSEs grades 4-9 in English and maths and Science.

SCIENCE INDUSTRY MAINTENANCE TECHNICIAN

Level 3, Apprenticeship Standard

A Science Industry Maintenance Technician contributes to the fault free and safe operation of science industry plant by the installation, maintenance, testing and repair of mechanical, electrical equipment and instrumentation. They will be proactive in finding solutions to problems and identifying areas for improving their work environment.

As well as core engineering skills, Maintenance Technicians need to understand and follow working practices that are specific to the safety critical science industry. They may work in varied conditions including using specialist safety equipment, shift work and on sites running 365 day operations. They will be expected to work both individually and as part of a maintenance team. They will be able to work with minimum supervision, taking responsibility for the quality and accuracy of the work they undertake. They may be part of in house maintenance teams or engineering maintenance contractor teams who work for different companies across the science industry.

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:

Science Industry Maintenance Technician (Mechanical, Electrical, Instrumentation).

PROGRESSION ROUTE:

Progression to a Higher Apprenticeship in Engineering or a Foundation degree or HNC/HND.

KEY FACTS:

Delivery location	Stretford Campus.
Typical duration	36-48 months.
Study mode/frequency	Day Release Model and monthly support within the workplace by a dedicated specialised sector assessor. Regular communication throughout the month.
Apprenticeship Standard	Apprenticeship has the three different delivery options, to suit the needs of your business.
Knowledge and skills	<ul style="list-style-type: none"> Understand and follow quality procedures to meet the requirements of quality standards relevant to the workplace Understand the internal and external regulatory environment pertinent to the sector and the sponsoring company and comply with regulations proficiently whilst keeping up to date with any change Understand and apply problem solving technique. Understand the business environment in which the company operates including personal role within the organisation, ethical practice and codes of conduct Understand and apply the practices and procedures for planning to maintain systems and equipment, relevant to a single specialist discipline or a number of disciplines (mechanical, electrical, instrumentation) as required by the job role whilst following applicable codes and standard Understand and apply techniques to identify faults in plants, systems and components to achieve satisfactory solution Understand how to identify obsolescence and end-of-life issue Understand and apply information extracted from engineering drawings, specification diagrams and maintenance manuals and/or computer database systems including accurate data input Understand and apply technical knowledge relevant to a single specialist discipline or a number of disciplines (mechanical, electrical, instrumentation) as required by the job role
Competency/skills or behaviours	<ul style="list-style-type: none"> Communicate effectively using a full range of skills: speaking; listening; writing; body language; presentation Work and interact effectively within a team and other groups as required Work independently and proactively take responsibility for initiating and completing tasks Understand impact of work on others, especially where related to diversity and equality Excellent time management and ability to complete work to schedule Ability to handle change and respond to change management processes in a positive manner Pursuing excellence in line with organisational norms and values Demonstrate a can do attitude and willingness to operate flexibly to meet business demands.
Functional Skills	Learners will undertake level 2 Functional Skills in Maths and English if they have not already achieved this element.
Assessment	Learners will demonstrate the knowledge and behaviours undertaken throughout their apprenticeship via an End Point Assessment and will include Synoptic Assessment Test, vocational competence discussion and a case study. Grading will be Pass or Distinction.

For further information contact START on **0161 886 7461** or email **start@tcg.ac.uk**
Stockport, Trafford, Apprenticeship, Recruitment Team



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