



TRAFFORD
COLLEGE



STOCKPORT
COLLEGE

ENGINEERING OPERATIVE

Level 2, Apprenticeship Standard

ELIGIBILITY / ENTRY REQUIREMENTS

Typically 3 GCSEs at grade 3 or higher including maths, English and science, or equivalent and/ or relevant experience.

Engineering Operatives are predominantly involved in engineering operations which are key to the success of the Manufacturing and Engineering sector allowing employers to grow their business while developing a work force with the relevant skills and knowledge to enhance the sustain the sector.

The role covers a wide range of common and job specific skills sets that can be transferred across the manufacturing engineering industry sectors during the course of their careers. Dependent on the sector that they are employed in there may be subtle differences in terms of composition and application of the job role specific skills and knowledge they will require, however the core skills and knowledge will be the same regardless of the sector/area they work in.

Engineering Operatives will have clear reporting lines with anything outside their role and responsibility. They will work individually or as part of a team to carry out a range of engineering operations which could include ensuring machines and equipment used are maintained and serviceable, dealing with breakdowns, restoring components and systems to serviceable condition by repair and replacement; operating a variety of machines (CNC or Conventional); assembling and repairing machine and press tools, dies, jigs, fixtures and other tools; fabrication/installation of a wide variety of other sheet fabrications and equipment and; fabrication and assembly of metal parts joining techniques; preparing materials and equipment for engineering processes, providing technical support including communications software, test tools, performance, capacity planning, and ecommerce technology as required.

Examples of the occupational roles from across the engineering and manufacturing sector that would be covered within this standard are: Servicing and maintenance operative; Machine setter/operative; Mechanical engineering operative; Fabricator; Engineering tter; Multi-disciplined engineering operative; Materials, processing and nishing operative, Technical Support operative, founding/casting operative.

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:

Maintenance Engineer, Mechanical Manufacture, Electrical & Electronic Engineer, Fabrication, Materials Processing and Technical Support jobs.

KEY FACTS:	
Delivery location	Stretford Campus.
Typical duration	12-18 months.
Study mode/frequency	1 day per week at college day release plus assessment visits in the workplace.
Apprenticeship Standard	Upon completion the Apprentice will receive a Level 2 Engineering Operative Standard.
Knowledge and skills	<p>Knowledge: (An Engineering Operative will understand)</p> <ul style="list-style-type: none"> • How to obtain the necessary job instructions, engineering drawings and specification's and how to interpret them • Relevant statutory, quality, environmental compliance procedures/systems, organisational and health and safety regulations relating to engineering operations • Their individual roles and responsibilities within the organisation and the flexibility required to support the achievement of company targets • Engineering operational practices, processes and procedures • Potential problems that can occur within the engineering operations and how they can be avoided <p>Skills: (An Engineering Operative will be able to)</p> <ul style="list-style-type: none"> • Work safely at all times, complying with health and safety legislation, regulations, environmental compliance procedures and systems and other relevant guidelines • Identify and deal appropriately with any risks, hazards, hazardous situations and problems that may occur within the engineering environment within the limits of their responsibility • Demonstrate effective communication skills which include oral, written, electronic • Complete appropriate documentation accurately, efficiently and legibly using the correct terminology where required • Obtain and follow the correct documentation, specifications and work instructions in accordance with time constraints and the roles and responsibilities identified for the engineering activities, extracting the necessary data/information from specification and related documentation • Select and use appropriate tools, equipment and materials to carry out the engineering operation • Deal appropriately with any problems that may occur within the manufacturing environment within the limits of their responsibility
Competency/skills or behaviours	<ul style="list-style-type: none"> • Work effectively in teams – Integrate with the team, support other people, consider implications of their own actions on other people and the business whilst working effectively to get the task completed. • Effective communication and interpersonal skills – An open and honest communicator, communicates clearly using appropriate methods, listen well to others and have a positive and respectful attitude. • Focus on quality and problem solving – Follow instructions and guidance, demonstrate attention to detail, follow a logical approach to problem solving and seek opportunities to improve quality, speed and efficiency.
Functional Skills	Functional Skills will be required for English and maths at Level 1 if you have not attained a GCSE at grade 3 or above (or equivalent).
Assessment	End point assessment will include a Practical Skills Observation, Professional Discussion, Reflective Portfolio.

For further information contact the Apprenticeship Team on **0161 886 7461** or email **apprenticeships@tcg.ac.uk**

