

Engineering Operative

Apprenticeship level 2

This role will involve carrying out a range of engineering operations.



Role Profile

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 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. They will work individually or as part of a team to carry out a range of engineering operations.

Examples 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;
- 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 e-commerce technology as required.

Engineering Operatives must comply with statutory regulations and organisation safety requirements including:

- Any environmental compliance procedures and systems;
- Identify hazards and hazardous situations;
- Prepare the work area and equipment;
- Obtain and follow the appropriate job documentation and work instructions;
- Extract the necessary data and information from specifications and related documentation;
- Carryout the engineering activities in line with their job role;
- Carry quality checks as required; working with minimum supervision either individually or as part of a team

Operatives will be responsible for their own actions and for the quality and accuracy and timely delivery of the work they undertake.

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 fitter;
- Multi-disciplined engineering operative; Materials, processing and finishing operative,
- Technical Support operative, founding/casting operative.

An Engineering Operative must have the core requirements below and demonstrate the specialist requirements in ONE job specific role.

Core Knowledge

An Engineering Operative will understand:

- How to obtain the necessary job instructions, engineering drawings and specifications and how to interpret them
- Engineering operational practices, processes and procedures
- Their individual roles and responsibilities

within the organisation and the flexibility required to support the achievement of company targets

- Relevant statutory, quality, environmental compliance procedures/systems, organisational and health and safety regulations relating to engineering operations
- Potential problems that can occur within the engineering operations and how they can be avoided

Core Skills

An Engineering Operative will be able to:

- 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
- Work efficiently and effectively at all times maintaining workplace organisation and minimising waste