

## General Overview

- ✓ Typical on-programme learning: 12 to 18 months
- ✓ EPA duration: 3 months
- ✓ Maximum funding: £10,000
- ✓ Level 2



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 e-commerce technology as required.

The standard consists of specified knowledge, skills, and behaviours (KSBs) set out in the assessment plan. Some of these are core and will be assessed for every apprentice, others are specific to the job role pathway the apprentice is following and will only be assessed on

apprentices registered for that pathway. Engineering Operative has the following job role pathways:

- Maintenance
- Mechanical Manufacturing Engineering
- Electrical and Electronic Engineering
- Fabrication
- Materials, Processing, Finishing
- Technical Support

## Entry Requirements

Individual employers will set the selection criteria for their apprenticeships.

## On-Programme Competence Evaluation

The apprentice will complete on and off-the-job training, developing their knowledge, skills & behaviours as stipulated within the apprenticeship standard.

## Gateway Requirements

The employer, supported by the training provider must confirm that the apprentice is ready for EPA, before the EPA process can begin.

The employer, supported by the training provider must sign a declaration to agree the apprentice has met the required criteria as set out in the Engineering Operative standard.

As part of the SIAS EPA service, we will check that all gateway evidence has been met before we begin the process of EPA.

# End Point Assessment (EPA)

The assessment plan defines the following methods of assessment for the Lean Manufacturing Operative standard.

## 1

### Practical Skills Observation

- The purpose of this assessment is to observe practical activity occurring naturally in the workplace.
- During the observation the End Point Assessor may ask between 3-6 open questions to assess the related underpinning knowledge.
- Duration: 2 hours.

## 2

### Professional Discussion

- A professional discussion is a two-way discussion which involves both the End Point Assessor and the apprentice actively listening and participating in a formal conversation. The portfolio of evidence must have sufficient content to demonstrate the apprentices' application of the specific knowledge, skills, and behaviours of the job role.
- The End Point Assessor must ask the apprentice 5-7 open questions.
- Duration: 40 minutes.



## Assessment Marking & Grading

Results for each individual assessment method will be available within 15 working days from the assessment date.

The SIAS End Point Assessor, will combine the results of each individual assessment method and provide an overall assessment grade of Fail, Pass or Distinction.



## Apprenticeship Certification

Your apprentice will receive a Certificate of Apprenticeship on successful completion of all individual assessment methods.



## Guidance & Support

SIAS provide a range of resources which offer EPA guidance and support for the apprentice, the employer, and the college/training provider.

We aim to help employers and colleges/training providers to support the on-going competence evaluation of the apprentices' knowledge, skills, and behaviour to ensure that your apprentice is confident for their EPA. All of our resources are comprehensively mapped to this apprenticeship standard.