



For **new** or **existing** staff

# Engineering Operative Apprenticeship Level 2

Delivered by Gloucestershire College



**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.**

### Delivery model and duration:

Apprentices will attend college for one day per week. Training, assessments and observations will also be completed in the workplace. This can be supported by some remote delivery if required.

**Duration:** 24 months

### Ideal for:

- Servicing and Maintenance Operative
- Machine Setter/Operative
- Mechanical Engineering
- Operative
- Materials, Processing and Finishing Operative

### The apprenticeship will cover the following core areas:

- Specific equipment operating parameters
- Mechanical manufacturing techniques
- Specific quality specifications for mechanical manufacturing operations
- Planning mechanical manufacturing operations
- Mounting and setting the required workholding devices
- Producing individual components, sub-assemblies or completed assemblies using mechanical manufacturing techniques
- Carrying out quality checks during and after mechanical manufacturing operations

### Benefits to business

- Increase future productivity
- Keep the business up to date with the latest knowledge and innovative practice
- Deliver on the job training to employees tailored to business needs
- Develop and retain existing staff by offering support and a fresh perspective

### Qualification:

**EAL Level 2 Diploma in Engineering Operations (Skills)  
EAL Level 2 Certificate in Engineering Operations (Knowledge)**

**>> Completers may want to progress to Engineering Apprenticeship Level 3**

### Entry Criteria:

- GCSE Grade D or above (3 or 4) in English and Maths

### Benefits for learners

- Gain technical knowledge and practical experience by combining on the job training with academic study
- Improve career prospects
- Fill skills gaps in businesses



### Why work with Gloucestershire College

We will work in partnership with you to help you achieve your business objectives by providing exceptional apprenticeship programmes, a comprehensive range of staff training and skills development courses and access to an unrivalled resource of motivated and work ready employees.

☎ 01452 563400

✉ [business.hub@gloscol.ac.uk](mailto:business.hub@gloscol.ac.uk)

🌐 [www.gloscol.ac.uk/apprenticeships](http://www.gloscol.ac.uk/apprenticeships)



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## End Point Assessment

The End Point Assessment will test the entire Standard, and be undertaken as follows:

- Practical Skills Observation
- Professional Discussion

## Components

- Level 2 Diploma in Engineering Operations (Skills)
- Level 2 Certificate in Engineering Operations (Knowledge)
- Functional Skills Maths and English at Level 1 and working towards Level 2

## Knowledge

How to obtain the necessary job instructions, engineering drawings and specifications 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

## Skills

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

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