



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

# Mechanical Engineering Apprenticeship Level 4 HNC

Delivered by Gloucestershire College

This apprenticeship framework is suitable for those looking to pursue a career in mechanical engineering. Learning will focus around project briefs, real case studies and work related scenarios. This apprenticeship is designed to provide the engineering sector with high grade technicians and engineers who have practical skills, combined with a higher education qualification. The competence and knowledge qualifications in the framework contribute to general competence as measured in the Engineering Council's UK specification and is endorsed by the IMechE.

## Delivery model and duration:

Workplace delivery with 1 day per week in college.

**Duration:** 24-42 months

## Ideal for:

- Senior Design Engineer
- Senior Production Engineer
- Mechanical Systems Engineer

## The apprenticeship will cover the following core areas:

- Advance CAD/CAM
- Mechanical and electromechanical systems
- Research
- Projects
- Strengths and materials

## Benefits to business:

- Apprentices provide advanced skilled workers for the future
- Apprentices increase staff loyalty
- Apprentices increase a company's productivity
- Apprentices can revitalise a company

## Qualification:

**BTEC Higher National Certificate in Engineering**

**Level 4 NVQ Extended Diploma in Engineering Manufacture**

Completers may want to progress to Mechanical Engineering Level 5 HND or BSc/BEng Engineering (Hons)

## Entry criteria:

- BTEC Level 3 in Mechanical Engineering or Level 3 City & Guilds with Bridging Maths
- A Level in maths and science, and extensive engineering experience

## Benefits for learners:

- Gain a nationally recognised qualification
- Good opportunity for quick career progression
- Opportunity to progress onto university higher education



## 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

www.gloscol.ac.uk/apprenticeships



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## Units:

- Complying with statutory regulations and organisational safety requirements
- Producing mechanical engineering drawings using advanced CAD system
- Producing mechanical assemblies
- Further Mechanical Principles
- Strength of Materials
- CNC
- Commission engineering products, processes or facilities
- Develop a strategy for the engineering design brief
- Evaluate engineering designs

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