

## BTEC National Foundation Diploma in Engineering (Mechanical) Level 3



### In a nutshell

This full-time one-year qualification is designed to allow you to develop the higher-level skills needed to progress to the second year for BTEC National Extended Diploma (equivalent to three A-Levels), which enable for university study, or apprenticeship at Level 4 or higher, or employment at a technical or professional level within the engineering industry.

### This course is for you if...

- ... You have previous experience or qualifications in this sector
- ... You want to develop an in-depth knowledge
- ... You're good at problem solving and you're hard working

### What will I be doing?



# COURSE INFORMATION LEAFLET

You'll study units such as:

Unit 1: Engineering principles, covering mathematics, mechanical and electrical principles

Unit 2: Delivery of engineering processes safely as a team

Unit 3: Engineering product design and manufacture

Unit 4: Applied commercial and quality principles in engineering

Unit 10: Computer aided design in engineering

Unit 25: Mechanical behaviour of metallic materials

Unit 41: Manufacturing secondary machining processes

You'll be assessed through assignments, exams/tests, and practical work. Upon completion, you'll achieve:

BTEC Level 3 National Foundation Diploma in Engineering (Mechanical)

## [Skills Activities](#)

## [Maths and English](#)

Other relevant qualifications to enhance your skill set

## What is expected of me?

To enrol, you'll need:

a minimum of 5 GCSEs at Grade C or above, including Mathematics at Grade B, English/Welsh First Language at Grade C and Science at Grade C

or

an appropriate Level 2 Diploma qualification at Merit Grade and GCSE Maths at Grade B and English/Welsh First Language at Grade C or above.

## What comes next?

BTEC Level 3 National Extended Diploma in Engineering (Mechanical) in the second year; then further to HNC Engineering at Coleg Gwent or other higher education study in a university, or an apprenticeship or employment in the engineering sector.

Apply online at [www.coleggwent.ac.uk](http://www.coleggwent.ac.uk)

[studentrecruitment@coleggwent.ac.uk](mailto:studentrecruitment@coleggwent.ac.uk) | 01495 333777 (Croesawn alwadau yn Gymraeg)





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## Additional information

All costs are under review and subject to change.

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