

## BTEC HNC Engineering (Advanced Manufacturing) Level 4



### In a nutshell

This is a specialist vocational programme with a strong work-related emphasis. The course provides a thorough grounding in the key concepts and practical skills required in the sector and is nationally recognised by employers.

This course is available as part of a Personal Learning Account (PLA). PLA is an initiative from the Welsh Government which offers people the chance to access free, part-time courses with flexible and convenient learning that fits around their existing lifestyle (subject to eligibility).

### This course is for...

...anyone aged 19 +, living in Wales, employed, and earning less than £29,534 per year

...those who want a career in engineering and prefer vocational, hands-on courses

...all that are numerate, creative and self-motivated



# COURSE INFORMATION LEAFLET

## Course content

The course provides a thorough grounding in the key concepts and practical skills required in the sector.

You will study units including:

- Engineering Design
- Engineering Maths
- Engineering Science
- Managing a Professional Engineering Project
- Industrial Robots
- Digital Principles
- Industry 4.0
- Computer Aided Design for Engineering

You will learn through a mixture of lectures, tutorials and practical sessions and will be assessed via coursework and examination.

## Entry Requirements

You would usually need at least one of the following:

A relevant BTEC Level 3 profile of Merit/Merit

DD at A Level

DE grades at A Level plus C in Welsh Bacallaureate

Access to HE where you have achieved a Pass Diploma with 45 Passes

Plus: GCSE passes in three subjects at grade C or above to include maths and English Language (or equivalent).

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

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





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Mature students with relevant industry experience who do not meet the academic qualifications will be considered individually via interview.

### **Additional information**

After successfully completing this course you could move on to employment in aeronautical, automotive or composites and related fields of engineering. You could also progress to further study with either the HND or engineering degrees.