

## BTEC Certificate in Engineering (Advanced Manufacturing) Level 3



### In a nutshell

Modern manufacturing requires a workforce who are skilled in using the latest composite materials, up to date computer automated machines and 3D printing techniques. This 2 year BTEC Extended Diploma will give you the skills and knowledge needed to get ahead in this fast paced industry. It is equivalent to 3 A Levels.

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

- ... you want a career in modern manufacturing engineering
- ... you want to work with up to date manufacturing processes
- ... you love seeing new product ideas come to life

### What will I be doing?



## COURSE INFORMATION LEAFLET

The course is assessed through a range of practical workshop activities, assignments and external online tests.

By studying this course you will:

- develop the basic maths, electrical and mechanical principles required in the industry.
- learn about the industry and expectations when working in manufacturing.
- complete practical tasks in well equipped workshops including work with modern computer controlled machines, 3D printing and scanning machines.
- learn how to develop your product ideas using computer aided design and manufacturing techniques.

In the second year you will be able to pull all of the skills together in an industry relevant project.

At the end of the course you will achieve

BTEC Extended Diploma in Engineering (Advanced Manufacturing)

### **What is expected of me?**

To enrol you will need:

5 GCSEs grade A\* to C. This must include a B in Maths and at least C in Science and English Language (or Welsh as a first language)

or

A suitable level 2 qualification and a B in GCSE maths

Consideration will also be given to mature students who do not meet the above criteria in full but have suitable experience. This will be established through a discussion with the course leader.

### **What comes next?**

On completion you could progress to:

Higher Education such as HNC/D or a Degree at Coleg Gwent

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

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





# COURSE INFORMATION LEAFLET

An apprenticeship in the manufacturing / engineering industry  
Directly into employment

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)

