

## BTEC Engineering Operations Level 2



### In a nutshell

This course provides an introductory understanding of Electrical and Mechanical Engineering. It will provide you with a solid foundation in the key aspects of modern engineering and is one of the recommended pathways for those seeking a career in the creative and well-paid field of engineering.

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

- ... You want a blend of practical and theoretical study
- ... You want to progress to an extended diploma
- ... You'd like to do an apprenticeship

### What will I be doing?

The course is a combination of laboratory and theoretical elements. You'll learn by completing



## COURSE INFORMATION LEAFLET

projects and assignments that are based on realistic workplace situations. You'll study units including:

- Working in Engineering Environment
- Engineering Mathematics and Science Principles
- Business Improvement Techniques
- Principles of Turning and Milling
- Electrical and Electric Principles
- Engineering Maintenance Practice
- Plan and carry out an Engineering Project
- Operating and Efficient Workplace
- Introduction to Communications for Engineering
- Electronic Devices and Communication Applications

You'll develop essential employability skills, such as self-management, team working, business awareness, customer awareness, problem-solving, communication, basic literacy, numeracy and a positive attitude to work.

You'll be assessed through exams, coursework, assignments, portfolio work and laboratory or practical assessments. Upon completion, you'll gain:

- Level 2 Diploma in Engineering
- Appropriate supporting qualifications to broaden your skill set and meet the needs of industry

[Skills Activities](#)

[Maths and English](#)

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

To enter this course, you'll need a minimum of four GCSEs, Grade D or above, to include English and Maths at grade C, or an appropriate Level 1 Engineering Diploma qualification and GCSE Maths at Grade C.

You'll need to be numerate, creative and have a keen interest in engineering. We also expect you to be self-motivated, hard-working, punctual and committed.

You will need to sit Higher Tier GCSE alongside this course to upgrade your grade to a B or above to support progression to L3.

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)





# COURSE INFORMATION LEAFLET

## What comes next?

BTEC Level 3 Extended Diploma in Electrical/Electronic Engineering

A suitable apprenticeship

Employment as an Electrical or Electronic Technician

## Additional information

You'll need to supply your own stationery e.g. folders, subject dividers, pens, pencils, rule and scientific calculator.

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