

BTEC National Foundation Diploma in Engineering (Electrical) Level 3



In a nutshell

You'll learn electrical and electronic engineering skills by completing projects and assignments that are based on realistic workplace situations.

This course is for you if...

- ... You're a school leaver with good GCSE grades
- ... You want an alternative to the traditional A level route
- ... You'd like to go on to university or to do an apprenticeship

What will I be doing?

You'll study units including:



COURSE INFORMATION LEAFLET

Health and safety in the engineering workplace
Communications for engineering technicians
Electrical and electronic principles
Mathematics for engineering technicians
Principles and applications of electronic devices and circuits
Electrical technology
Electrical installation
Construction and applications of digital systems
Electronic fault-finding
Principles and applications of analogue electronics
Features and applications of electrical machines
An engineering project
Selecting and using programmable controllers

You'll be assessed through assignments, reports, short tests, practical and portfolio work. Each assignment contains various tasks graded at Pass, Merit or Distinction. Upon completion, you'll achieve:

Level 3 Extended Diploma in Electrical and Electronic Engineering (180 credits)

[Skills Activities](#) (to help you progress into employment)

[Maths and English](#) (if you do not hold a Grade C in Maths and English GCSE)
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 and English/Welsh First Language, or an appropriate Level 2 Diploma qualification at Merit Grade and GCSE Maths and English/Welsh First Language at C Grade or above.

You'll have a good understanding of Maths and Science and enjoy solving complex problems related to circuit design, construction and fault diagnosis.

Full commitment to attendance is required. You'll need to be able to work independently and as part of a team and are expected to abide by the college code of conduct.

What comes next?

Apply online at www.coleggwent.ac.uk

studentrecruitment@coleggwent.ac.uk | 01495 333777 (Croesawn alwadau yn Gymraeg)





COURSE INFORMATION LEAFLET

You can study Electronic/Electrical Engineering at university level or complete an apprenticeship in this sector. Alternatively, you can look at jobs that specialise in this type of engineering.

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