

## HNC Engineering: Electrical and Electronic Engineering



### In a nutshell

Our HNC's Level 4 in Engineering are designed in consultation with industry, and intended to link local industry as much as possible, both in its content and in the mode of attendance.

The aim is to produce a highly qualified and knowledgeable engineers who can meet the requirements of industry. This is a specialist vocational programme with a strong work-related emphasis.

Our Engineering HNC courses provide a thorough grounding in the key concepts and practical skills required in the sector. Nationally recognised by employers, the course also allows for further study at degree level and beyond.

### This course is for...

... gaining a career in Electrical Engineering

... those who prefer vocational, hands-on courses



# COURSE INFORMATION LEAFLET

... anyone who would like to study further in engineering

... taking the next step in your career in the Engineering sector

## Course content

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

You will study units including:

Year 1

Engineering Science  
Electrical Principles  
Engineering Mathematics  
Engineering Design

Year 2

Robotics and PLC's  
Industrial Project  
Electrical Machines  
Analogue and Digital Systems

You will learn through a mixture of lectures, tutorials and practical sessions.

Learners 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  
CC at A Level  
CC grades at A Level plus C in Welsh Baccalaureate  
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

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)





# COURSE INFORMATION LEAFLET

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

## **Additional information**

You can progress onto a HND Engineering or a related Foundation Degree.

Employment opportunities can be found in a wide range of organisations from multinational firms to local companies. There are many exciting career options including:

- Broadcast Engineer
- Electrical Engineer
- Control and Instrumentation Engineer
- Electronics Engineer
- Manufacturing Systems Engineer