



Level 4 Higher National Certificate in Electrical Engineering

Study Type

Higher Education

Course Area

Engineering & Manufacturing

Course Duration

2 Years (part-time)

Entry Requirements

To enter this programme you should ideally be employed in a technical role and have five GCSEs at grades 9-5 (including Maths, English and Science) and a Level 3 qualification in an engineering related subject. In addition, you will be expected to demonstrate the enthusiasm and motivation to meet the academic requirements of the programme.

Course Information

Our Engineering Higher Education provision is concerned with the design, development, installation, operation and maintenance of just about everything that has moveable parts.

As a result, there are job opportunities for engineers in all fields of work in the engineering sector. The HNC in Engineering includes a mix of theory, practical work and experiments and is useful to applicants who wish to extend their skills and knowledge before entering the workplace. The course is made up of eight units, five of which are specific to this particular area of study.

The core units comprise:

- Analytical methods
- Engineering science
- Engineering project.

The remaining credits are achieved through the completion of specialist units which may include:

- Applications of power electronics
- Electrical and electronic principles
- Combinational and sequential logic
- Digital and analogue devices and circuits.

Assessment will be facilitated through assignments, practical assessment and/or examinations.

Progression

Students can progress on to a Level 5 Higher National Diploma (HND) in Electrical and Electronic Engineering to demonstrate further knowledge and competence in the workplace. This qualification will also give many students the opportunity to enrol in a suitable engineering degree at university.