

Electrical and Electronic Engineering HTQ Higher National Certificate

Course Overview

This is a one-year full-time programme, culminates in the award of a Higher National Certificate (HTQ) in Engineering. Designed for individuals pursuing a career in Electrical/Electronic Engineering. This level 4 qualification offers students with advanced knowledge and a comprehensive understanding of Electrical/Electronic Engineering, with a strong emphasis on its practical application within the industry. The HNC/HND in Engineering is specifically structured to support students progressing from vocational backgrounds, enabling them to build upon the competencies acquired at Level 3 and transition effectively into higher education.

What you will learn

Over the course of this one year programme, you will study the following units: Engineering Design
Engineering Maths
Managing a Professional Engineering project
Production Engineering for Manufacture
Quality and Process improvement
Automation Robotics and PLCs
Electrical and Electronic principles
Electrical Machines
A project or suitable industry placement may also be undertaken to develop industry based knowledge and skills.

Entry Requirements

Standard entry to this course requires:

1. Minimum of 32 UCAS points from a recognised level 3 qualification in a related subject (eg. T-Level, BTEC National or A-levels or equivalent)
2. Higher level qualification in an unrelated subject area.
3. You are expected to hold GCSE English and Maths at grade 4 and above or any equivalent qualification.

We welcome applicants who do not match standard entry requirements but who can demonstrate the ability to study this subject at university level and who can evidence relevant experience. An interview is required to ascertain prior achievement.

Course Progression

On successful completion of the HNC (HTQ) course, you may continue to the level 5 HND (HTQ). Once you have achieved the HND, you will be able to apply to study further year to obtain a full degree at university. This qualification is well regarded throughout the industry and the academic world. Career opportunities include managerial and technical positions in Mechanical or electrical engineering.

What Happens Next

Applications to our Full Time or Part time Undergraduate courses can be made directly through the college website and UCAS. Applications to our full-time undergraduate courses made through UCAS must use institution code L36. You can apply directly using our direct application form via the College website. Due to the nature of this programme, you may also be invited to attend an interview. Where necessary, other means of interview (i.e. face to face, telephone, web-based) can be arranged.

Course Details

Course Code	P00272
Start Date	14/09/2026
Study Hours	Full Time
Duration	1 year
Campus	Abbey Park Campus
Level	4

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