

# Electrical and Electronic Engineering HTQ

## Higher National Certificate

### Course Overview

This is a one-year full-time programme, in which a Higher National Certificate (HTQ) is completed. With a career in engineering as your chosen route, this level 4 course offers students wishing to follow an Electrical/Electronic Engineering pathway, both the higher level knowledge and also the understanding of how this is applied in industry. The HNC/HND in engineering course is designed to enable students who may have come through a vocational route to progress into higher education, building on the knowledge gained at level 3.

### 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

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.

### How you will be assessed

You will undertake a range of both written and practical assignments, presentations and in-class controlled assessments. For the HTQ element you may need to complete further project work or an industry placement where appropriate.

### 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 for a 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 part time Undergraduate courses can be made directly through the college website. Applications to our full-time undergraduate courses must be made through UCAS using institution code L36 and course code 001H. If you haven't started a UCAS application yet, and only want to apply to Leicester College, you can apply directly to us using our direct application form via the College website, and we will process a UCAS application on your behalf. Due to the nature of this programme, you may also be invited to attend an interview. Where necessary, other means of interview (i.e. telephone, web-based, CD/DVD) can be arranged.

### Course Details

<b>Course Code</b>	P00272
<b>Start Date</b>	15/09/2025
<b>Study Hours</b>	Full Time
<b>Duration</b>	1 year
<b>Campus</b>	Abbey Park Campus
<b>Level</b>	4

[Apply Here](#)