Engineering

HNC in Electrical and Electronic Engineering

Campus: University Centre Rotherham
Code: U06HE01
Type: Part Time

These courses are designed to provide you with a thorough understanding of the electrical and electronic technologies which are used by businesses nationally and globally.

By studying the theory behind these technologies, you will develop knowledge of how electrical and electronic engineering systems feature in everyday life.

This course provides advanced technical knowledge through electrical and electronic engineering principles, concepts and theory.

This course also provides the higher-level technical vocational electrical and electronic engineering skills to prepare you for a range of related occupations. The HNC course is offered on a part-time basis over 3 semesters (18 months) and can be topped up to an HND qualification with further study.

Why Study With Us?

We continually invest in modern, state-of-the art equipment including new mechatronics and Programmable Logic Controller (PLC) facilities.

With
industry-experienced tutors, the course is designed to equip you with the skills set desired by employers within the electrical engineering industry and provide you with new opportunities for career development.

Modules Covered

Electrical

- Unit 4001 Engineering Design
- Unit 4002 Engineering Maths
- Unit 4004 Managing a Professional Engineering Project
- Unit 4014 Production Engineering for Manufacture
- Unit 4015 Automation, Robotics and PLCs
- Unit 4017 Quality and Process Improvement
- Unit 4019 Electrical and Electronic Principles

- Unit 4012 Electrical Machines
- 2 HND units still to be decided

Entry Requirements

Level 4 HNC entry requirements:

- A relevant Level 3 qualification

Level 5 HND entry requirements:

- The HND is an 18-month top-up from the HNC Electrical and Electronic Engineering. The units gained on your HNC must be transferable to suit the HND matrix

How To Apply

You can apply using our online application form and clicking the **Apply Now** button at the top of the page.

Career Opportunities

Upon successful completion of this course you could go into employment as an electrical engineer, another engineering-related occupation or progress onto an engineering degree.

Completing these higher-level courses will also enhance your career opportunities and help meet aspirations for career progression to supervisor or managerial level roles.

PLEASE NOTE

We make every effort to ensure information within our online course directory is accurate and a true representation of the courses we are offering in 2026-27. However, we do reserve the right to make changes if necessary.

Last updated: 1st November 2026