

General Enquiries

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HNC Electrical/Electronic Engineering

Location	Stretford Campus
Department	HE Engineering



Course Overview

The BTEC Higher National qualifications in Electrical/Electronic Engineering is aimed at students wanting to continue their education through applied learning. Higher Nationals provide a wide-ranging study of the Mechanical Engineering sector and are designed for students who wish to pursue or advance their career in engineering. In addition to the knowledge, understanding and skills that underpin the study of the Mechanical Engineering sector, BTEC Higher Nationals give students experience of the breadth and depth of the sector that will prepare them for further study or training.

Course Requirements

All applications will be considered individually however offers will usually be based on:

64 UCAS points at A Level in relevant subject(s)

BTEC Level 3 qualification in relevant subject merit profile(2 years)

4 GCSEs at grade C or above (or numeric score of 4/5 under newly reformed GCSE grading) which must include Maths and English.

An Access to Higher Education Diploma in relevant area

Other related Level 3 qualifications

Related work experience will be considered in place of formal qualifications

* Accreditation of prior experience and Learning (APEL/APL) may be considered

* A maths bridging course may be available for suitable candidates with industrial experience but do not have the appropriate formal maths qualification.

Course Assessment

Continuous assessment involving group and individual assignments.

The ability to demonstrate successful communication skills, team working, problem solving and critical reflection on your own performance will be assessed throughout the programme through a variety of assignments. Assessments methods may include: case studies, research interviews, observations of practice, oral presentations, critiques of materials as well as essays. All assignments are graded at Pass, Merit or Distinction.

Course Finance

Please contact the College for further information.

Course Includes

Extensive resource centre equipped with a wide range of modern electronic instruments, project facilities, training systems and an array of test equipment.

Facilities for PCB production, circuit building, circuit testing and fault finding.

Specialist PLC programming facilities.

Modern computer systems available within resource areas including off-site access.

A range of specialist software packages including Electronic Circuit Design and Analysis.

The course involves a significant amount of theory and analytical work. Therefore, strong mathematic skills are required which are further developed throughout the programme.

Award

Higher National Certificate in Electrical/Electronic Engineering

Course Potential Careers

The status attached to a HNC qualification is widely acknowledged within industry and enhances job and career prospects enormously. A HNC also fulfils the entry requirements for appropriate HND and degree courses. Trafford college offers the opportunity to progress directly onto a HND.

Course Dates

Full-time over 1 year from September to July

Part-time over 2 years from September July

Examining Body

Pearson Edexcel

Hours Per Week

2 days per week full-time or 1 day or 2 evenings a week (part-time)

Programme Structure

This course is designed to combine the requirements of industry with theoretical principles. Units reflect the needs of both students and employers. Learning is through a mixture of lectures, tutorials and task-based learning.

Top up requirements are considered on a case by case basis. Please contact the College for details.

Units studied include:-

01 - Engineering Design

02 - Engineering Maths

03 - Engineering Science

04 - Managing a Professional Project

19 - Electrical & Electronic Principles

Plus 3 specialist units, which may include:-

15 - Automation, Robotics & PLCs

32 - CAD for maintenance engineers

31 Electrical Systems & fault findings

Extensive use is made of computer modelling and simulation techniques and an emphasis is put on practical applications throughout.

Weeks

30-34 weeks