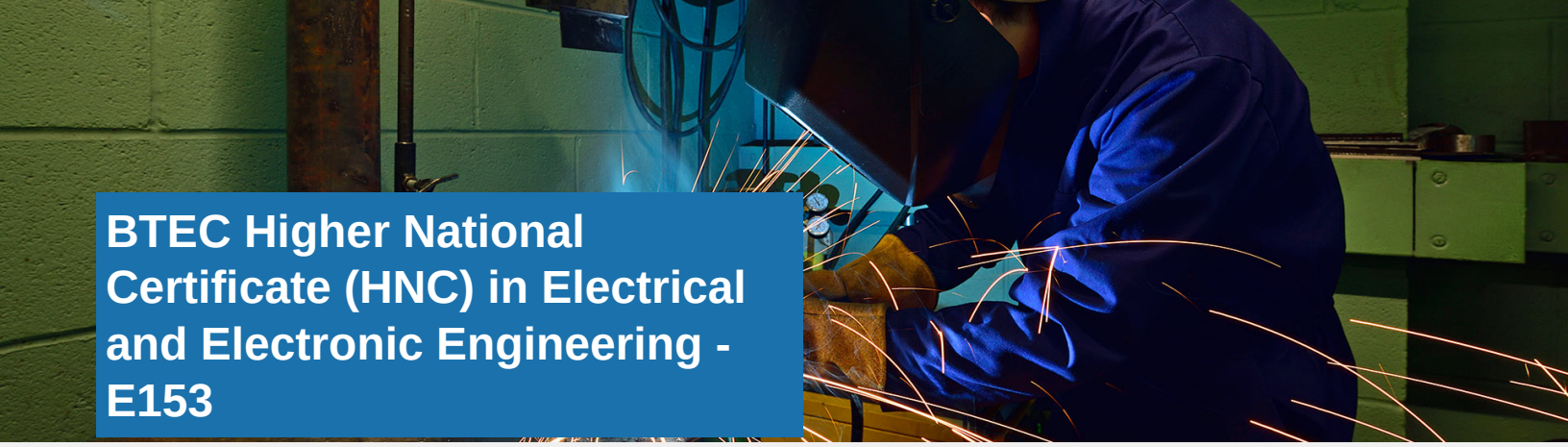

BTEC Higher National Certificate (HNC) in Electrical and Electronic Engineering - E153

This course provides technical knowledge and higher level skills in teamleading, report writing, project management and presentation skills. It reflectsthe changing needs of the engineering industry.

This Electrical and Electronic Engineering course is taught at our multi-million pound Twelve Quays campus in Birkenhead.

COURSE DETAILS

Students must undertake a total of eight units to achieve a HNC in Electrical and Electronic Engineering, consisting of; four mandatory core units, one mandatory specialist unit and three optional units. A list of these can be found below.

Core:

- Engineering Design
- Engineering Maths
- Engineering Science
- Managing a Professional Engineering Project

Specialist:

- Electrical and Electronic Principals

General Optional Unit Bank (Level 4) that may be delivered:

- Renewable Energy
- Mechatronics
- Machining and Processing of Engineering Materials

- Mechanical Principles*
- Materials, Properties and Testing
- Mechanical Workshop Practices
- Fluid Mechanics
- Engineering Management
- Fundamentals of Thermodynamics and Heat Engines*
- Production Engineering for Manufacture*
- Automation, Robotics and Programmable Logic Controllers (PLCs)
- Instrumentation and Control Systems
- Quality and Process Improvement*
- Maintenance Engineering
- Electrical and Electronic Principles*
- Digital Principles
- Electrical Machines
- Electronic Circuits and Devices*
- Computer Aided Design and Manufacture (CAD/CAM)
- Electro, Pneumatic and Hydraulic Systems
- Operations and Plant Management
- Electrical Systems and Fault Finding
- CAD for Maintenance Engineers.

*Optional Unit also available as a Specialist Unit.

If applicable, the College can deliver Optional Units flexibly, according to the needs or choice of your employer.

Detailed descriptions of all units, which also include recommended resources for that unit, can be found via Pearson's website.

ENTRY GUIDELINES

Entry criteria for the course includes Grade *A-C /9-4 grade in GCSE Mathematics as well as either relevant vocational, work based experience/learning demonstrated by a work reference or CV or a level 3 qualification such as:

- BTEC level 3 in Engineering
- Grade A-C 'A' level in a relevant subject i.e. Mathematics/Physics/Science
- An 'Access to HE' certificate in a relevant subject i.e. Science

This list is not definitive as individual circumstances will be taken into consideration.

All applicants must complete a satisfactory interview to determine suitability for the course.

Applicants should be self-motivated as independent and self-managed learning is an integral part of the course. IT skills would be advantageous but are not a required part of the entry criteria.

ASSESSMENT METHOD

For each unit studied, students will be assessed through written assignments given at relevant points throughout the course. This may include a course work element depending on the particular module being taught. Further information on meeting passing criteria can be found via Pearson's website.

ADDITIONAL INFORMATION

For timetabled sessions, students will be based at the College's Twelve Quays Campus.

The College's term dates are available on its website. However, these may differ according to the programme's assessment calendar. Assessment calendars and timetables of study are typically available in respective course handbooks, accessible through the College Virtual Campus following enrolment.

You may be taught alongside students from different engineering disciplines.

The estimated 'Total Qualification Time' to achieve a complete HNC is 1200 hours, this includes: guided learning, independent and unsupervised research/learning, unsupervised compilation of a portfolio of work experience, unsupervised e-learning, unsupervised e-assessment, unsupervised coursework, watching a pre-recorded podcast or webinar and unsupervised work-based learning. The ratio of which is at the discretion of your tutor and (if applicable) employer.

Pearson BTEC Higher National qualifications are designated Higher Education qualifications in the UK. They are aligned to the Framework for Higher Education Qualifications (FHEQ) in England, Wales and Northern Ireland and Quality Assurance Agency (QAA) Subject Sector Benchmarks. These qualifications are part of the UK Regulated Qualifications Framework (RQF).

WHERE CAN I PROGRESS TO?

Employment in all areas of industry in engineering related jobs at both technical and first line or middle management level. Successful completion of HNC would give advanced standing of the first year of most engineering degrees.

Explore potential careers via Career Match — it provides current local data on wages and employment prospects.

WHEN DOES THIS COURSE RUN?

CAMPUS	STARTS	ATTENDANCE	COURSE CODE	PLANNED TIME TABLE
	15th Sep 2020	Part Time	E153M001	

CAMPUS	STARTS	ATTENDANCE	COURSE CODE	PLANNED TIME TABLE

If you are aged 19 or over:

Fee : £2995.00

Please note, this fee is the cost per year. For Higher Education (HE) courses, student loans are available to most students undertaking a degree, foundation degree, HNC / HND or teacher training programme. Visit https://www.gov.uk/browse/education/student-finance for details.

For advice and guidance, please contact Student Services via our online enquiry form

This information was current on 12th August, 2020 and may be subject to change.