

COURSE INFORMATION:

Technology

Electrical & Electronic Engineering Level 5 BTEC Higher National Diploma Course Code – EENP2X35XA

Venue and duration of the course:

East Surrey College, Gatton Point, Redhill, RH1 2JX, 2 years part-time

Entry Requirements:

All candidates should have completed a Level 4 HNC in Electrical and Electronic Engineering before topping up to the Diploma with this course. The course code for the HNC is EENP2X32XA.

What qualifications will I get?

Electrical & Electronic Engineering Level 5 BTEC Higher National Diploma

Course description:

This qualification is designed to meet the needs of those already in employment and looking to further their career within electrical or electronic engineering. A Higher National Diploma is the ideal qualification for engineers seeking a professional career status and offers progression to a variety of careers in research and development, design, management, teaching, technical sales or the Armed Forces.

Our Higher National offer has been developed in conjunction with local employers to meet the needs of the local workforce.

Units/topics covered:

In addition to the mandatory unit Electrical and Electronic Principles the course consists of 7 additional units chosen from a range. If Electrical and Electronic Principles were studied as part of your HNC then an 8th optional unit will need to be chosen.

Mandatory Units

- Electrical and Electronic Principles
- Analytical Methods for Engineers (already achieved as part of your HNC)
- Engineering Science (already achieved as part of your HNC)
- Project Design, Implementation and Evaluation (already achieved as part of your HNC)

You will also have achieved 5 other units as part of your HNC so a further 7 or 8 optional units will need to be chosen depending on whether Electrical and Electronic Principles were studied as part of your HNC.

Optional Units

- Electrical Power
- Electrical and Electronic Measurement and Testing
- Programmable Logic Controllers
- Further Electrical Power
- Utilisation of Electrical Energy
- Microprocessor Systems
- Combinational and Sequential Logic

Units due to be launched

September 2017

- Further Analytical Methods for Engineers
- Microprocessor Interfacing and Control
- Digital and Analogue Devices and Circuits
- Radio Communications

September 2018

- Advanced Mathematics
- Electronic Principles
- Computer Programming Techniques
- Electrical, Electronic and Digital Principles

Units can be studied in various combinations to achieve a full qualification.
 Example Programme – showing how an HNC can be topped up to an HND.

An example of an HNC	Analytical Methods for Engineers
	Engineering Science
	Electrical and Electronic Measurement and Testing
	Electrical and Electronic Principles
	Microprocessor Systems
	Combinational and Sequential Logic
	Electrical, Electronic and Digital Principles
	Project Design, Implementation and Evaluation
Year 1	Further Analytical Methods for Engineers
	Digital and Analogue Devices and Circuits
	Microprocessor Interfacing and Control
	Radio Communications
Year 2	Advanced Mathematics
	Electronic Principles
	Computer Programming Techniques
	Electrical, Electronic and Digital Principles

Other unit combinations may be available – Please discuss your requirements at interview. Please note that BTEC operate strict rules of combination and not all choices may be acceptable to create a full award.

Type of Assessment:

The course will be internally assessed through a programme of assignments, projects, case studies & practical activities.



Equipment needed:

- Pens/ Pencils
- Calculator
- Lever arch folder
- Recommended textbooks

Where can it lead?

An Engineering Higher National Diploma can lead to further study at Degree level.

Course Fee: £3,000 (Year 1)

This is a two year course; the fees set out in 2016/17:

Year 1: £3,000

Year 2: £3,000 (fee subject to change in 2017/18)

- If you are aged 19 or over and studying a Level 3, 4, 5 or 6 qualification, an Advanced Learner Loan may be available for this course - please call Client Services on 01737 788444 for details or visit www.gov.uk/advanced-learner-loan for more information on how to apply.
- If you are 19 or over the full published fees apply unless you qualify for a concessionary fee.

Contact Client Services for advice and guidance on funding and eligibility. Please be aware there may be additional costs for materials.

What to do next:

If you have any outstanding queries please contact our Client Services team on 01737 788444 or at clientservices@esc.ac.uk.

To apply online for this course please visit www.esc.ac.uk, alternatively call our Enrolments Team on 01737 788445.

Disclaimer:

Every effort has been made to ensure that the details contained in this leaflet are up-to-date and accurate at the time of printing. However, the College reserves the right to alter or cancel courses, their content, entry requirements, fees or other details should circumstances dictate.

Should you require this leaflet in a different format please contact Client Services on 01737 788444.

