

## VENUE AND DURATION OF COURSE:

East Surrey College, Gatton Point, Redhill, RH1 2JX. Two years Part-time. One day a week.

## ENTRY REQUIREMENTS:

You should be working in the Electrical Power Engineering Industry or an allied industry with the intention of moving into the sector. Applicants must have two A-Levels, or equivalent in Maths and another technical subject (normally Physics). Level 3 BTEC, National Certificate, Diploma or Extended Diploma in Engineering. Mature applicants will be considered by interview. You may be required to complete a one-year Level 3 BTEC bridging year prior to starting the HNC.

## PROGRAMME OVERVIEW:

You'll have the chance to study the fundamentals of Electrical Power Engineering by learning all about electronics, electrical engineering, power engineering and the maintenance, design and manufacture of electrical power systems and networks.

This course is ideal if you are working in the Electrical Power Industry, as a Network Power Engineer, Infrastructure Engineer or Power Utilisation Engineer wanting to further your technical knowledge and skills ready for senior roles.

## PROGRAMME STRUCTURE:

- Engineering Science
- Engineering Maths
- Managing a Professional Engineering Project
- Electrical Power Systems
- Electrical and Electronic Measurement Systems
- The Utilisation of Electrical Power
- Networks and Distribution
- Function and Application of Programmable Logic Controllers

## PROFESSIONAL RECOGNITION:

Engineering (Electrical Power) Level 4 BTEC Higher National Certificate.

## ASSESSMENT:

All units are assessed via assignments and students can achieve either a pass, merit or distinction.

## EQUIPMENT NEEDED:

- Pens/Pencils
- Scientific Calculator
- Lever arch folder
- Recommended textbooks
- Laptop with recommended Student software
- Licences installed (Matlab, MultiSim, IPISA, DlgSilent)

## TUITION FEES:

£3,365 per year in 2025/26. Please be aware that there may be additional costs for equipment and educational visits.



This information will be available from the curriculum staff at interview.

### **STUDENT LOANS AND FINANCIAL SUPPORT:**

Full-time and Part-time students from the UK/EU who are studying for a Higher Education course can apply to the Student Loans Company ([www.slc.co.uk](http://www.slc.co.uk)) for a Tuition Fee Loan for the full amount (this will be paid directly to the College). Additionally, Full-time UK-only students can apply for a Maintenance Loan (to cover living costs). The Government have also introduced the Maintenance Loans to Part-time students. Evidence of an approved loan must be provided at enrolment in the form of the Payment Advice letter provided by the Student Loans Company. Further details of how to apply for a Student Loan can be found at [www.direct.gov.uk/studentfinance](http://www.direct.gov.uk/studentfinance).

### **OTHER PAYMENT METHODS:**

If you are not eligible for financial support you will need to pay for the course privately which could include a contribution from your employer. For more information, visit: [www.esc.ac.uk/fees-and-student-loans](http://www.esc.ac.uk/fees-and-student-loans).

### **WHERE CAN IT LEAD?**

The course provides employment opportunities for students to enter or progress within the engineering sector; as well as opportunities to progress further in their studies by balancing employability skills with academic attainment. It also gives students the possibility to progress towards achieving internationally recognised registration with a professional body regulated by the Engineering Council.

### **HOW TO APPLY:**

To apply online for this course please visit [www.esc.ac.uk](http://www.esc.ac.uk). If you have any outstanding queries, please contact our Client Services team on 01737 788444, or email: [clientservices@esc.ac.uk](mailto:clientservices@esc.ac.uk).

### **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.

