

Awarding Body: Edexcel

VENUE AND DURATION OF COURSE:

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

ENTRY REQUIREMENTS:

5 GCSE grade A*-C (9-4) including English, Maths & Science or Engineering Level 2 Diploma at Merit or above together with a satisfactory interview. A technical background would be useful but not essential. Suitable prior knowledge and skills will be taken into account at interview.

WHAT QUALIFICATIONS WILL I GET?

- Year 1 – BTEC Level 3 Certificate in Advanced Manufacturing Engineering
- Year 2 – BTEC Level 3 Extended Diploma in Advance Manufacturing Engineering

COURSE DESCRIPTION:

This qualification is designed to meet the needs of those preparing to pursue a career within Electrical/Mechanical Engineering. It offers routes into further study (Higher Education) and a range of employment opportunities at Engineering Technician level.

UNITS/TOPICS COVERED:

Core Units:

- Communication for Technicians
- Health and Safety at Engineering Workplaces
- Mathematics for Technicians

Additional Units:

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| <ul style="list-style-type: none"> • Engineering Project • Further Mathematics for Technicians • Mechanical Principles of Engineering Systems • Principles and Applications of Electronic Devices and Circuits • Mechanical Measurement and Inspection Techniques • Further Mechanical Principles of Engineering Systems • Engineering Drawing for Technicians • Computer-Aided Drafting • Electrical & Electronic Principles • Electronic Measurements and Testing | <ul style="list-style-type: none"> • Further Mechanical Principles • Selection and Applications of Programme Logic Controllers • Properties and Applications of Engineering Materials • Electrical Technology • Advanced Mechanical Principles and Applications • Features and Applications of Electrical Machines • Further Electrical Principles • Electro, Pneumatic and Hydraulic systems and Devices • Engineering Design |
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TYPE OF ASSESSMENT:

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

EQUIPMENT NEEDED:

All students will be required to wear College uniform. Steel toe capped boots must be worn at all time when in the workshops. Students will also need to bring in stationery equipment such as pens, pencils, calculator, lever arch folder and recommended textbooks.

WHERE CAN IT LEAD?

A successful student with a Merit grade or above in at least five subjects may have the opportunity to study a higher engineering course at this College or at university (see individual course entries for desired universities). This may be a degree or HND programme.

COURSE FEE:

If you are under 19 on 31/08/2023, tuition is free. If you are 19 or over, please consult Client Services for advice and guidance on funding and eligibility.

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.

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.

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.

