Leicester College

0116 224 2240
www.leicestercollege.ac.uk
info@leicestercollege.ac.uk

T Level Building Services Engineering - Electrical Installation Specialism

Course Overview

Our T level building services engineering - electrical installation programme will give you the comprehensive knowledge and practical skills needed to succeed as an electrician. You will learn about electrical systems, writing and how they are used in modern building infrastructure. In two years, you build a solid understanding of design principles, the role of technology and sustainability and how the construction industry works. From here, you launch into your career, workplace ready. 80% of your time will be in college, where you get to grips with the theories of construction, design and engineering. You balance your classroom learning with in-depth practical tasks in our purpose-built workshops. There's also your 45-day industry placement when you enhance your skills and understanding by getting hands on. You'll have access to guest speakers and industry experts, site visits, relevant field trips and industry placements on live sites out in the world of work. There is also an employer-set project, which you will complete as part of a team. If you are aged 16 to 18, you will be enrolled on a study programme. This will include retaking GCSEs or undertaking Functional Skills in English and maths if you haven't already achieved a grade 4 or above. You will take part in activities that help you to develop your skills, such as building your character and confidence. This will help you to live well and move into your chosen career.

What you will learn

Year one takes you through core building engineering services skills, giving you the knowledge, confidence, and transferable skills to tackle all manner of jobs across the sector. This will give you the confidence to develop electrical systems, understand health and safety and sustainable practices, as well as gaining technical proficiency in this hands-on industry. Year one: 1. health and safety 2. science 3. design 4. construction 5. built environment 6. industry 7. sustainability 8. measurement 9. building technology 10. information and data 11. relationship management 12. digital technology 13. commercial/business

In the second year, you focus on specific electrotechnical engineering skills, working towards five performance outcomes: 1. installing electrotechnical systems 2. commissioning electrotechnical systems 3. maintaining electrotechnical systems 4. decommissioning electrotechnical systems 5. installing, testing and commissioning electrical installations to BS7671 wiring regulations To develop your skills and experience in a real-life setting, we work together to find an industry placement that plays to your strengths. You will work on an employer-set project to refine your electrotechnical engineering skills and prepare you for an exciting career.

Entry Requirements

T levels are for people who are 16-18 on 31 August on the date that they start the course. Standard entry to this course requires one reference. You should demonstrate a minimum of 90% attendance at your last place of work or study. A GCSE in both English and maths at grade 4 or above, plus a minimum of two further GCSEs at grade 4 or above including science and a design technology based related subject. All students will undertake a monitoring period for the first six weeks of their programme. During this time, attendance, attitude, attainment, and application toward study will be monitored. A final decision as to the most appropriate level and outcome will be discussed with you towards the end of your first six weeks. You will need: GCSE in both English and Maths, grade 4 or above, plus a further two GCSEs at grade 4 or above, one of which must include a science or technical based subject. Students previously studying at the college will need to have attained a Level 2 Certificate/Diploma in Electrical, plus English and Maths at grade 4 or above.

How you will be assessed

You will be assessed via a variety of formal methods during your course plus assessments such as external exams, controlled assessments, an employer-led set project, and summarising your learning through practical assignments. This will generate an overall grade of pass, merit, distinction, or distinction*. You will be awarded a nationally recognised certificate which will show a breakdown of what you have achieved and can be worth up to 168 UCAS points.

Course Fees

For construction T levels courses the material fee is £300* for the two years, and this is payable at enrolment. You will also need to buy PPE (personal protective equipment) to make sure that you are safe while working and studying (approximately £35*), as well as toolkits to use in our workshops and on your industry placement (approximately £50*). *prices may be subject to change due to inflation

Course Progession

T levels are equivalent to three A levels, so if you choose to move into higher education or higher apprenticeship, you will have the UCAS points needed. This construction T level specialises in building services electrotechnical engineering, giving you a strong start in a highly sought-after career and giving you the knowledge to move into a higher level apprenticeship or a degree if that's where you'd rather go. Have a chat with our independent careers advisors to work out your next step. They have all the information, advice and guidance you need to kickstart your career.

Course Details

Course Code P00003

Start Date 08/09/2025

Study Hours Full Time

Duration 2 years

Campus Freemen's Park Campus

Level 3

Apply Here

What Happens Next

Apply online via the College website, or if your school uses the Positive Steps @16 (PS16) application system please apply through this and speak to your careers advisor if you are unsure. You will need details of your qualifications, a reference, and a personal statement to complete your application. Once your application has been successfully processed, you will be sent a conditional offer and be invited to an interview at the college to meet key staff, learn more about your chosen course of study, and tour the facilities. You will then need to confirm your acceptance of the course offered to you.