

T Level Building Services Engineering - Electrical Installation Specialism

Course Overview

T-Levels are 2-year courses. The T Level in Building Services Engineering - Electrotechnical Engineering for Construction is designed to provide students with the knowledge, skills and practical experience required to pursue a career in the building services engineering sector as an Electrician. Combining technical theory with hands-on experience, the course includes substantial industry placements, offering learners the opportunity to apply their learning in real-world environments. The Building Services Engineering T Level prepares learners for a range of roles within the construction and engineering industries, supporting progression into skilled employment, apprenticeships or further study.

The technical qualification is made up of two components, both of which need to be successfully achieved to attain the T Level Technical Qualification Building Services Engineering for Construction. The core content is designed to offer sufficient breadth of knowledge and skills for the learner to apply in a variety of contexts related to the industry and those occupational specialisms linked to this T Level. The core content is the building blocks of knowledge and skills that will give a learner a broad understanding of the industry and job roles. At the same time, it will develop the core skills they will need to apply when working within the industry.

Occupational specialism develops the knowledge, skills and behaviours necessary to achieve threshold competence in an occupation. Students will also need to successfully complete 315 hours (approximately 45 days) of Industry Placement to achieve the T-Level. Students will undertake a Personal Development programme, Group and 1:1 Tutorials as part of their studies.

What you will learn

In year 1, you will complete the T-Level core consisting of 14 knowledge outcomes:

1. Health and safety in construction
2. Construction science principles
3. Construction design principles
4. Construction and the built environment industry
5. Construction sustainability principles
6. Construction measurement principles
7. Building technology principles
8. Construction information and data principles
9. Relationship management in construction
10. Digital technology in construction
11. Construction commercial/business principles
12. Building Services Engineering (BSE) systems
13. Maintenance principles
14. Tools, equipment and materials

You will also undertake sessions towards the occupational specialism in bespoke workshops/classrooms.

In year 2, learners will undertake fundamental electrotechnical systems engineering processes and procedures. Learners will have the opportunity to plan, perform and evaluate their work while using a range of materials, methods and techniques.

On completion of this specialism, learners will be able to:

1. Install electrotechnical systems
2. Commission electrotechnical systems
3. Maintain electrotechnical systems
4. Decommission electrotechnical systems.

Entry Requirements

All students must be age 16–18 on 31 August of their start year (year 1), 1 reference and 90%+ attendance at previous study/workplace GCSE English, Maths and Science at grade 4 or above. Plus a minimum of two additional GCSEs grade 4 or above ideally in a technical based subject.

Students previously at Leicester College need: Level 2 Certificate/Diploma in Electrical Installation GCSE English and Maths grade 4 or above.

All students will undertake a 6-week monitoring period to confirm level and suitability for this programme of study.

Course Fees

You will be required to purchase some basic equipment to support your learning and protect you during normal working practice in the workshop. Personal Protective Equipment (PPE) plus an identified tool kit combined cost of approximately £58. If you are a previous Leicester College student, you may only require a top-up tool kit at a reduced cost.

Re-sits for applicable examinations are chargeable.

Course Progression

On successful completion of the T-Level students can pursue a career in the Electrotechnical (Electrical Installation) field typically as an Apprentice on the acceleration Apprenticeship scheme.

Completion of the core and the occupational specialism provides threshold competence for entry into industry but does not provide full proof of occupational competence.

What Happens Next

Apply online via the College website, or if your school uses the Positive Steps @16 (PS16) application system you can apply through this and speak to your careers advisor if you are unsure. You will need details of your qualifications and employment history, and a personal statement to complete your application. Once your application has been successfully processed, you will be invited to a Welcome Event at the College to meet your tutors, learn more about your chosen course of study and tour the facilities. You are required to attend a Welcome Event before we are able to offer you a conditional place. You will then need to confirm your acceptance of the course offered to you.

Course Details

Course Code	P00790
Start Date	07/09/2026
Study Hours	Full Time
Duration	2 years
Campus	Freemen's Park Campus
Level	3

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