

Building Services Engineering – Electrotechnical T Level

Study Mode: Full-time | Course Level:

Is this course right for me?

If you want to work in the construction industry with a special interest in electrotechnical engineering, this new T Level qualification is the ideal way to kick off your future career.

T Levels are designed in conjunction with employers so you can be sure that you will be learning the skills that the industry needs which will set you ahead of the competition when you're applying for jobs in the sector in the future.

In the first year of the course you will cover a range of core modules designed to give you a broad range of knowledge and skills in the building service engineering industry.

In the second year you will focus on occupational specialisms to enable you to develop specific skills in electrotechnical engineering processes and procedures, as well as plan, perform and evaluate your work while using a range of materials, methods and techniques.

As part of the course you will also complete an industry work experience placement* of at least 45 days. This will give you a taste of what working in the industry is like, as well as the opportunity to work alongside experienced colleagues and put the skills you have learnt on your course into practice in the workplace.

*Please note: you will be required to commit to undertaking a 45-day work experience placement and, as part of the process, will be required to attend an interview with an industry employer. You are encouraged to secure your own work experience placement, however the college has placement officers who can assist you if required.

Entry Requirements

To access this course you are required to have:

- 5 x GCSE Grade 4 or above for English, Grade 5 or above for Maths.
- Electrical Installations Level 1 Diploma
- A good attitude to learning and commitment to a 2-year course.
- A record of high attendance from your previous studies

What will I learn?

In the first year of the course you will study a range of core modules and in the second year will focus on occupational specialisms.

Core modules:

- ▢ Building services engineering systems
- ▢ Construction and the built environment industry
- ▢ Health and safety
- ▢ Legislation, regulations and standards
- ▢ Tools, equipment and materials
- ▢ Technology

Occupational specialisms:

- ▢ Health and safety practices associated with carrying out electrotechnical systems engineering
- ▢ Installation methods and termination of connections
- ▢ The systems and products used in electrotechnical engineering
- ▢ How to analyse and use information to and from electrotechnical systems
- ▢ Removal processes as part of system decommissioning
- ▢ Testing and inspection process
- ▢ Fault finding

What skills will I gain?

Throughout the course you will gain skills and knowledge in the following areas:

- ▢ Using systems and digital technology
- ▢ Health and safety practices associated with carrying out electrotechnical systems engineering
- ▢ Installation methods and termination of connections
- ▢ Systems and products used in electrotechnical engineering
- ▢ Analysing and using information to and from electrotechnical systems
- ▢ Removal processes as part of system decommissioning
- ▢ Testing and inspection process
- ▢ Fault finding
- ▢ Communicating effectively

- ▢ Self-management
- ▢ Adaptability and resilience
- ▢ Reflection, planning and prioritising
- ▢ Working in a team

How will I be assessed?

Throughout the course you will be assessed in the following ways:

- ▢ Practical assignments
- ▢ Tutor observation
- ▢ Projects
- ▢ Externally-assessed exam

What can I do next?

Successful completion of the course will enable you to progress to:

- ▢ Higher technical qualification (ie HNC or HND)
- ▢ Degree apprenticeship
- ▢ Degree in a relevant subject
- ▢ Employment in the industry

Why study with us?

You will learn your skills in our purpose-built construction centre which has dedicated workshops for individual trades and is fitted out with industry-standard equipment so you will gain experience of using the same kit as you will when working in the industry in the future.

You will be taught by experienced tutors with professional experience of working in the industry and will also benefit from taking part in enrichment activities to enhance your learning - such as hearing from guest speakers or taking part in trade competitions and skills tests.

As part of the course you will complete an in-depth work experience placement in a relevant industry area and may also have the opportunity to gain work experience abroad through the Turing study programme.

Delivery

Location: Wellington Road Campus

Start Date: 01/09/2025

Day:

Time:

Course Fee:

Course Code: CP4015

Study Mode: Full-time

Apply online: www.wolvcoll.ac.uk/apply