

T Level in Building Services Engineering for Construction (Electrotechnical Engineering)



Course Level: Level 3

Campus: Newcastle

Subject Type: Construction & Engineering

Course Overview:

Gain practical skills and theoretical knowledge in electrical and electronic engineering with our T Level Level 3 in Building Services Engineering for Construction.

Learn from industry-experienced instructors, work on real-world projects, and prepare for a rewarding career in the dynamic field of construction engineering. Join us and build your future today.

What's Covered:

The world of construction and engineering is fast-paced and ever changing with an array of exciting opportunities available for aspiring careers in engineering and construction. Studying this pathway aims to develop your understanding of construction disciplines and building services engineering (BSE) and you will have the opportunity to working directly within the construction/engineering industry on your work placement over the course of the programme. As part of your studies, you will be expected to undertake a work placement to enhance and develop not only your education of the industry, but also to gain valuable industrial training with your employer placement. This work placement opportunity can be achieved using a range of options, and is subject to the employer's requirements. The placement can be achieved using a block placement or day release. Employers are keen to engage and train students in construction due to the skills gaps in the industry.

You will continue with your work placement alongside your studies by enhancing the theoretical knowledge learnt in the classroom and applying this to the practical environment in the world of work, gaining skills along the way to support with your future career aspirations.

Over the 2 years students will develop health and safety in construction, construction science principles, construction design principles, construction and the built environment, construction sustainability principles, construction measurement principles, building technology principles, construction information and data principles, relationship management in construction, digital technology in construction, construction/business principles, building services engineering systems, maintenance principles and tools, equipment and materials.

Year 2: Occupational Specialism – Electrotechnical Engineering. Covering the following; Electrotechnical engineering knowledge criteria, install Electrotechnical systems, commissions Electrotechnical systems, maintain Electrotechnical systems and decommission Electrotechnical systems

Entry Requirements:

As a condition of being offered a place on this course, you would be expected to meet the following entry requirements:

1. Submit a school report showing your attendance, behaviour and effort details
2. Attend the Department Experience Day in June 2025
3. Complete a summer assignment which would be set on Experience Day in June 2025.

New Courses

100%

T Level pass rate in
2024

4. You will need to achieve/have achieved 5 GCSEs at grade 5 or above, which must include Maths and English Language.

Assessment Information:

You will be assessed through a combination of core exams (year 1), internally assessed synoptic exam (year 2), work based observations (throughout the 2 years) and an employer project set project at the end of year 1.

Fees and Financial Support:

This course is free for anyone aged 16 – 18.

College Maintenance Allowance (CMA):

Anyone with a gross household income under £30,000 can receive financial support to cover college related costs such as transport, meals, course equipment and uniform. Bursary support is based on individual circumstances and will be allocated to best suit your individual needs. A range of other financial support is available depending on your personal circumstances. For more details visit nscg.ac.uk/finance

Progression:

You will enjoy practical and theoretical skill sessions, project work and external assessments. You have the opportunity to work with top regional employers, trips to employers/universities and talks from guest speakers which will give you the opportunity to build the essential knowledge, skills and confidence required for a career as building services engineer, building services engineer installer, electrician technician. In addition students can progress onto higher degree apprenticeships or university. We work with a number of exciting employers including Leoni, Siemens, NHS, NEIDA and many more.

How do I find out more?

To find out more, please contact the Curriculum Leader, Stuart McLean-Inglis on 01782 254117 or email: stuart.mclean-ingli@nscg.ac.uk