Working together to transform lives

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Foundation T Level: Building Services Engineering



Subject Area	Construction
Course Type	School Leavers
Study Level	Level 2
Delivery Mode	Full-time
Duration	1 Academic Year
Start Date	September 2027
Course Code	PA000860

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Course Summary

Our Building Services Engineering (BSE) Foundation course provides you with the essential knowledge and core skills needed to begin your journey towards a career in the building services industry. This academically focused programme blends theoretical understanding with introductory practical experience, preparing you for progression onto the T Level in Building Services Engineering for Construction, where you will choose to specialise in either Electrical Installation or Plumbing and Heating.
Throughout the course, you will develop a strong grounding in the scientific and technical principles that underpin modern building services. This includes an introduction to electrical and plumbing systems, safe working practices, installation methods, and the materials, tools, and calculations used across the sector. You will explore key concepts such as electrical circuit theory, basic wiring systems, pipework principles, heating and hot water fundamentals, and the role of building services in creating safe, efficient, and sustainable environments.

What You Will Learn

- Health and Safety in Construction
- Construction Science Principles
- Construction Design Principles
- Construction and the Built Environment Industry
- Construction Sustainability Principles
- Construction Measurement Principles
- Building Technology Principles
- Construction Information and Data Principles
- Relationship Management in Construction
- Digital Technology in Construction
- Construction Commercial/Business Principles
- Building Services Engineering (BSE) Systems
- Maintenance Principles
- Tools, Equipment and Materials

Entry Requirements

Applicants must have GCSE Maths and GCSE English Language at a grade 4 as a minimum or equivalent.

Work Experience

You will undertake a minimum of two meaningful employer encounters and two employer led masterclasses, all designed to develop your soft and foundational skills. Throughout the course, you will partake in tailored workplace visits and industry insight events, explore specific career pathways and gain a clear understanding of workplace expectations. You will also undertake mock interviews, CV development activities and receive guidance and support from industry professionals to help you prepare for your next steps.

Progression

Successful completion of this course can lead to progression onto our T Level in Building Services Engineering in Construction (Electrical Installation or Plumbing and Heating occupational specialsms), as well as opportunities for employment or an apprenticeship.

Careers include:

Instalaltion Electrician (Domestic, Commercial, Industrial)

Maintenance Electrician

Electrical Fitter

Renewable Energy Installer

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