Working together to transform lives

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T Level in Civil Engineering



Subject Area	Construction
Course Type	School Leavers
Study Level	Level 3
Delivery Mode	Full-time
Duration	2 Years
Start Date	September 2027
Course Code	PA000861

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Course Summary

Our T Level in Civil Engineering is a two year technical programme designed with employers to give you the skills needed to progress into a technician career in the construction industry.

It offers a comprehensive introduction to the planning, design and delivery of the infrastructure that supports modern life, combining in depth technical study with meaningful industry experience. Throughout the course, you will explore how engineering projects are developed from concept to construction, gaining an understanding of structures, materials, ground conditions, digital design tools and the environmental considerations that shape safe and sustainable solutions.

You will build strong analytical, problem□solving and communication skills while learning how to interpret technical information, carry out site investigations and contribute to project planning. A substantial industry placement allows you to apply your learning in a real engineering environment, preparing you with the confidence, competence and practical insight needed to progress into skilled employment, an apprenticeship or further study within the engineering and built environment sectors.

What You Will Learn

You will develop the technical understanding, practical skills and professional mindset needed to contribute to the planning, design and delivery of the infrastructure that shapes our world. Throughout the course, you will explore how civil engineering projects are conceived and constructed, gaining insight into structures, materials, ground conditions and the environmental factors that influence safe and sustainable design.

You will learn how to carry out accurate surveying and site investigations, using modern digital tools and industry-standard equipment to collect, analyse and interpret data.

As your knowledge grows, you will begin to understand how engineering solutions are developed, tested and refined. You will work with digital modelling and design software, learn how to read and produce technical drawings, and develop the ability to evaluate different construction methods and engineering approaches.
The course also introduces you to project planning, risk management and the legal and regulatory frameworks that underpin the industry, helping you appreciate how large-scale projects are coordinated from concept to completion

Modules

Core Principles:
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 at grade 5 and GCSE English at grade 4 for direct entry. Learners progressing internally must have also successfully completed a Foundation to T Level programme.

Work Experience

You will undertake a minimum of 315 hours of industry placement, designed in partnership with employers to ensure you develop the most up-to-date skills and knowledge in the construction sector. Throughout your placement, you will apply your technical understanding in real-world settings, experience different roles within the industry and gain a strong awareness of workplace culture, compliance, legislation and regulations. You will also use sector-specific tools, software, equipment and innovative technologies, helping you build confidence, professionalism and advanced communication skills as you prepare for your future career.

Progression

Successful completion of this course can lead to further opportunities in employment or an apprenticeship.

Careers include:
Construction Site Manager
Quantity Surveyor
Civil Engineer
Sustainability Consultant
Building Control Inspector
Architect
Estimator
Building Control Officer

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