

## General Enquiries

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# T Level in Construction - Design, Surveying and Planning for Construction - Civil Engineering

Location	Stockport College
Course Type	College 16-18
Department	Building Services
Start Date	Tuesday 2nd September 2025
Course Code	SFP-CO3T-1100

## Course Overview

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Are you passionate about building a better future? Civil Engineering plays a vital role in society, and this T Level in Civil Engineering will equip you with the knowledge and skills needed to excel in the design, surveying, and planning of construction projects.

Core Modules:

- Health and Safety
- Sustainability
- Digital Construction
- Construction Mathematical Techniques
- Relationship Management
- Law

These modules will give you a broader understanding of the industry. You will be taught by industry-experienced tutors in our state-of-the-art construction technology building. You'll also get hands-on experience with the latest construction technology, including drones, total stations, BIM, and CAD in our computer suite.

Additionally, you will participate in a 45-day industry placement, giving you the opportunity to apply your new skills in real work scenarios.

Upon completing the course, you will be able to:

- Analyse civil engineering solutions
- Design civil engineering solutions
- Verify the delivery of civil engineering solutions

# Course Requirements

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4 GCSE at grade 5 or above in English language, mathematics, science and digital/IT.

## What You Will Learn

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- Health and Safety: Ensuring safe construction sites.
- Science: Applying scientific principles to construction.
- Digital Technology: Using BIM, CAD, and other digital tools.
- Project Management: Planning and managing construction projects.
- Design: Creating practical and aesthetic designs.
- Information and Data: Managing and analysing project data.
- Measurement: Accurate measurement techniques.
- Site Investigations and Surveying: Conducting thorough site assessments.
- Design Considerations: Evaluating factors like sustainability and cost.
- Final Design Solutions: Creating comprehensive and feasible designs.

## Assessment

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Exams: Formal examinations to test your theoretical knowledge.

Employer Set Projects: Projects assigned by employers to provide real-world experience.

Industrial Placement: A 45-day industry placement to apply your skills in practical scenarios.

Written Assessment: Written evaluations to assess your understanding of the coursework.

Practical Assessment: Hands-on assessments to evaluate your practical skills.

## Progression

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This qualification opens the door to several industry pathways and higher-level apprentice routes it also generates UCAS points to access university. Civil engineering is currently a high priority skill gap in the construction industry.

## Career Options

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Civil engineering, site supervisor, site technician, higher level apprentice route access to university.

## Mandatory Units

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Health and safety  
Science  
Measurement  
Building technology  
Information and data  
Digital technology  
Construction mathematical techniques  
Design  
Construction and the built environment industry  
Sustainability  
Relationship management  
Commercial business  
Project management  
Law

## Contact Details

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For further information please contact T: 0161 886 7070 or E: [info@trafford.ac.uk](mailto:info@trafford.ac.uk)

## Disclaimer

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Although every care has been taken to ensure that the information contained within this document is accurate, there may be changes to this programme and provision. We will endeavour to keep prospective and current students updated where appropriate and when the information becomes available.