

# Construction

## Plumbing and Heating Level 3 T Level Full-time

### In Brief

#### Start Date

This course will start in September 2025 and will run for two years.

#### Entry Requirements

You will need to hold four GCSEs at grade 4 or above including English, Maths and Science.

OR hold a Plumbing T Level Foundation Level 2 qualification and English and Maths GCSE at grade 4 or above.

If you do not currently meet these entry requirements, you may be able to study the [Plumbing and Heating Level 2 T Level Foundation course](#).

#### You will achieve

You will achieve a Level 3 Building Services Engineering (Plumbing and Heating Engineering) T Level.

### Course Overview

During this T Level [<https://www.barnsley.ac.uk/courses/all-about-t-levels/>] course, you will learn essential skills in basic plumbing and building services engineering. You will study health and safety, construction science, building technology, and sustainability. The program includes a 45-day industry placement for real workplace experience. You will need at least a grade 4 in GCSE English and Maths. The course prepares you for skilled employment or further study in the construction and building services engineering industries.

### Course Content

T Levels are a new, two-year qualification that you can choose to do as an alternative to A Levels, an apprenticeship or other post 16 courses. This brand-new qualification brings you a course that entails a mix of classroom learning and an extended industry placement.

What's more, the courses on offer have been designed in collaboration with businesses and employers to ensure you gain all the skills and knowledge you need for a career in your chosen field.

When studying a T Level qualification, you will spend 80% of your time in the classroom and workshop with 20% on a high-quality placement with an employer. A mix of classroom learning and 'on-the-job' experience will help you gain all the skills and knowledge companies look for when recruiting.

All T Level courses will include the following compulsory elements:

- A technical qualification which will include: core theory, concepts, and skills for an industry area.
- Specialist knowledge and skills for an occupation or career.
- An industry placement with an employer.

It takes two years of full-time study to complete a T Level and the qualification will be equivalent to three A Levels.

You will also need to achieve a minimum standard of English and Maths at GCSE grade 4 or above. The Technical Qualification (TQ) is the main classroom-based element of the T Level, and it will see you learning from a qualification that has been shaped by industry experts.

During the two-year programme, you will learn the core knowledge that underpins each industry, and they will also develop occupationally specific skills that will allow you to enter skilled employment within a specific occupation.

A T Level is made up of the following components:

- Technical qualification
- Industry placement
- Maths, English and digital skills

The core components you will study are:

- 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 systems
- Maintenance principles
- Tools, equipment and materials

## How will I be assessed?

There will be assessment windows throughout your study programme where your knowledge, understanding and practical skills will be assessed under exam conditions. You will achieve either a Pass, Merit or Distinction grade. In addition, you must complete an industry placement, lasting a minimum of 315 hours.

## What Equipment Will I Need?

You will need to provide writing and measuring equipment. We will provide all Personal Protective Equipment (PPE).

## Where will I study?

Construction Centre  
Honeywell Lane  
Barnsley  
S75 1BP

## What can I do next?

After gaining this T Level qualification, you could move on to skilled employment, a higher apprenticeship or Higher Education.

See what careers are available in the Construction [<https://www.barnsley.ac.uk/app/uploads/2023/10/Construction-careers-2023-24.pdf>] sector. Use our online careers tool, Career Coach [<https://barnsley.lightcastcc.com/?radius=&region=Barnsley>] , to find out what your next steps could be.

## How much does the course cost?

### 16 – 18 year olds

Full-time Barnsley College students aged 16-18 years old do not have to pay tuition fees.

## Extra information

### Contact the Information Unit

For further information please contact our friendly Information Team on +44 (0)1226 216 123 or email [info@barnsley.ac.uk](mailto:info@barnsley.ac.uk) [<mailto:info@barnsley.ac.uk>]

### Want to join Barnsley Sports Academy and Honeywell Sports Village?

Barnsley College has a range of sports opportunities for all students to take part in, gain professional training and compete nationally and internationally. We also have a state-of-the-art fitness village, Honeywell Sports Village [<https://www.barnsley.ac.uk/shops-services/honeywell-sports-village/>] where students can make use of our fitness suite, spinning studio and classes for competitive rates. You don't have to be studying sport to get involved in the Sports Academy

[<https://www.barnsley.ac.uk/barnsley-sports-academy/>] .

## English and Maths

Having good English and Maths qualifications are important for most careers and we want to give you the help you need to succeed.

If you are aged 16 – 19 and don't hold a grade C/4 or above in GCSE English and Maths, you will automatically be included in your study programme. If you want to work towards achieving a higher grade in English and Maths, we can help you do that too and we offer Level 3 Mathematical Studies (Core Maths) which can be added to your study programme.

If you're aged 19 or above and don't hold a a grade C/4 or above in GCSE English and Maths we can help. We offer FREE English and Maths qualifications that can be studied on a part-time basis, subject to eligibility.

If you need any further information, please contact our Information Team by calling 01226 216 123 or emailing [info@barnsley.ac.uk](mailto:info@barnsley.ac.uk) [<mailto:info@barnsley.ac.uk>]

## Disclaimer

Please note we reserve the right to change details without notice. We apologise for any inconvenience this may cause.

**Last updated:** 9th January 2025

### Want to apply?

Visit <https://www.barnsley.ac.uk/apply> to get started

Call us on **01226 216 123**