

T Level Building Services Engineering - Plumbing, Heating and Gas Specialism

Course Overview

Developed by leading industry experts and employers, this T level is designed to meet the future needs of industry. Over two years you'll develop combine classroom learning with practical knowledge and skills in our purpose-built workshops. To put this into practice you'll complete a 45-day industry placement. You'll be taught by industry experience professionals. At the end of the two years, you'll have the practical skills needed for employment as a plumber, including hot and cold water systems, central heating systems and sanitation. If you are aged 16 to 18, you will be enrolled on a study programme.

What you will learn

The first year builds solid foundations and gives you practical skills to use in any construction job – and, of course, you make a good start in building your plumbing and central heating engineering knowledge. You cover: 1. health and safety 2. science, design, construction and the built environment 3. building technology 4. industry 5. sustainability 6. measurement 7. information and data 8. relationship management 9. digital technology 10. commercial/business

In your workshop and classroom sessions, you learn to install, commission, maintain and decommission heating and plumbing systems and, yes, before you ask, that includes drainage, plumbing hot and cold water systems and central heating systems. With all that knowledge in your head, you start your 45-day industry placement, and hands-on experience to put all the theory into practice. And just being onsite as part of a team, developing your communication, workplace and problem-solving skills is a great opportunity. You can do your placement as block release, day release or a bit of both – whatever works for you. We help you make the decision and find a place that really works. To get down and dirty, this is when you work on an employer set project, putting all your theories and skills into the real world.

Entry Requirements

T levels are for people who are 16-18 on 31 August on the date that they start the course. Standard entry to this course requires one reference. It is desirable that you can demonstrate a minimum of 90% attendance at your last place of work or study. A GCSE in both English and maths at grade 4 or above, plus two further GCSE's at grade 4 or above including science and a design technology based related subject. If you don't meet these requirements but want to start on your chosen career path, entry requirements for Level 2 Programmes are slightly lower. You will need a grade 3 at GCSE (or functional skills level 2) in maths or English (and grade 3 in the other of these), plus two further GCSEs at grade 3. Students previously studying at the college will need to have attained a Level 2 Certificate/Diploma Diploma in Plumbing, plus English and maths at grade 4 or above. All students will undertake a monitoring period for the first six weeks of their programme. During this time, attendance, attitude, attainment, and application toward study will be monitored. A final decision as to the most appropriate level and outcome will be discussed with you towards the end of your first six weeks.

How you will be assessed

There are several formal assessments during the two years: external exams, controlled assessments, practical summary assignments and an employer-led set project. Together, the assessments generate an overall grade of pass, merit, distinction or distinction*. At the end of your T level, you receive a nationally recognised certificate with a clear breakdown of your achievements. The T level can be worth up to 168 UCAS points.

Course Fees

There are no tuition fees to study a T Level if you start before you are 19 years old but there will be materials costs that will need to be paid at the start of the course. This course is for under 19s only. For construction T level courses the material fee is £300* for the two years, and this is payable at enrolment. You will also need to buy PPE (personal protective equipment) to make sure that you are safe while working and studying (approximately £35*), as well as toolkits to use in our workshops and on your industry placement (approximately £50*). Basic stationery items such as pens, pencils, ring binders and writing paper and a Copy of the Onsite Guide will also be required. *prices correct December 2020 but may be subject to change.

Course Progression

Gaining a T level in construction opens the door to a lifelong, diverse career in plumbing and central heating engineering. But you can also continue on your journey and choose to move into higher education and do a degree or higher apprenticeship. Our independent careers advisors can talk you through your options and help you find your perfect way forward. They have all the information, advice and guidance you need to boost your career.

What Happens Next

Apply online via the College website, or if your school uses the Positive Steps @16 (PS16) application system please apply through this and speak to your careers advisor if you are unsure. You will need details of your

Course Details

Course Code	P00059
Start Date	08/09/2025
Study Hours	Full Time
Duration	2 years
Campus	Freemen's Park Campus
Level	3

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qualifications, a reference, and a personal statement to complete your application. Once your application has been successfully processed, you will be sent a conditional offer and be invited to an interview at the College to meet key staff, learn more about your chosen course of study and tour the facilities. You will then need to confirm your acceptance of the course offered to you.