



Level 3 Plumbing



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Subject Area	Construction
Course Type	School Leavers
Study Level	Level 3
Delivery Mode	Full-time
Duration	1 Academic Year
Start Date	September 2027
Course Code	PA000533

Course Summary

Our Level 3 Plumbing course provides you with a comprehensive and industry-focused pathway into the plumbing and heating sector, building on your existing skills and preparing you for advanced technical work. This programme is designed for learners ready to progress beyond the fundamentals and develop the deeper knowledge, practical ability and professional understanding required to work confidently across a wide range of plumbing and heating environments.

Throughout the course, you'll explore the scientific and technical principles that underpin modern plumbing systems, while gaining hands-on experience with the tools, materials and installation methods used across the industry.

What You Will Learn

You'll deepen your technical expertise and build the advanced skills needed to work confidently and safely in the plumbing and heating industry. The course takes you beyond the basics and into the real-world principles that underpin modern plumbing systems. You'll explore how plumbing science influences the performance of hot water, cold water,

heating and sanitation systems, and get to grips with the operating principles of key components, appliances and system layouts. You'll learn how plumbing and heating systems are designed, installed and maintained, and develop a strong understanding of system characteristics, materials, and customer requirements.

You'll also build the knowledge needed to design plumbing installations, carry out safe testing and commissioning, and complete all required certification and documentation. This includes testing systems before they are put into service, commissioning appliances and equipment, and ensuring installations meet current industry standards.

Modules

- Cold Water System Planning and Design
- Hot Water System Planning and Design
- Central Heating System Planning and Design
- Sanitation System Planning and Design
- Environmental Technology Systems
- Site Procedures and Planning

Entry Requirements

Applicants and progressing learners must have GCSE Maths and GCSE English at a grade 4 as a minimum and successfully completed a Level 2 Plumbing qualification.

Work Experience

You will undertake a minimum of 10 hours of work preparation activities and 30 hours of work experience, with a strong focus on developing professional level skills. This includes enhancing your industry awareness, building key construction sector competencies, understanding workplace expectations and responsibilities, and participating in sector specific projects.

You will also have the opportunity to join the Ambition [HUB], where you can partake in employer led and career focused masterclasses throughout the year. As part of this, you will work on a year long employer designed project and may undertake up to 160 hours of additional work experience. This extended experience supports your understanding of workplace culture and helps you develop adaptability, communication and resilience.

Progression

Successful completion of this course can lead to opportunities for employment or an

apprenticeship.

Careers include:

Plumber

Heating Engineer

Gas Engineer

Gas Service Technician

Air Source Heat Pump Installer

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