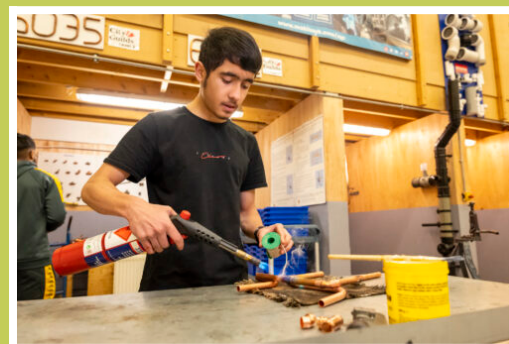




Plumbing



Subject Area	Construction
Course Type	School Leavers
Study Level	Level 2
Delivery Mode	Full-time
Duration	1 Academic Year
Start Date	September 2027
Course Code	PA000081

View on bradfordcollege.ac.uk



Course Summary

Our Level 2 Plumbing course equips you with the essential knowledge and practical skills needed to continue your career in the plumbing industry. This course blends theoretical learning with hands-on experience, preparing you for further study and employment. As an aspiring plumbing and heating engineer working in domestic, commercial, or industrial settings, you will develop a strong understanding of plumbing scientific principles and systems, appliance fittings, and various plumbing methods. You'll also gain expertise in industry standards, safety regulations, and best practices. Upon successful completion, you will be qualified at a Plumber's mate level, ready to take the next steps in your career.

This course includes project-based learning that embeds GCSE Maths and GCSE English directly into theoretical and practical, vocational tasks through a contextualised model. This ensures learners develop relevant, essential and applied skills that align with the expectations of the construction industry and support their long-term progression.

What You Will Learn

You will learn about the importance of health and safety in the plumbing industry, plumbing science and theory including flow rates, pressure, temperature control, and the principles behind hot and cold water systems, sanitation, and above ground drainage. You'll also develop your understanding of the materials, tools, and calculations used in modern plumbing installations.

You will also take advantage of learning about green skills and sustainability with a strong focus on smart technology, water efficiency and an awareness of heat pumps, solar thermal systems, greywater recycling and low-carbon heating solutions. There's never been a better time to train as a modern plumbing and heating engineer.

Modules

Health and Safety in Building Services Engineering
Electrical Principles and Processes for Building Services Engineering
Scientific Principles for Domestic, Industrial and Commercial Plumbing
Common Plumbing Processes
Cold Water Systems
Domestic Hot Water Systems
Sanitation
Central Heating Systems
Drainage Systems
Understand How to Communicate with Others within Building Services Engineering

Entry Requirements

Applicants and progressing learners must have GCSE Maths and GCSE English at a grade 3 as a minimum and successfully completed a Level 1 Plumbing qualification.

Work Experience

You will undertake a minimum of two meaningful employer encounters and two employer-led masterclasses, all designed to develop your soft and foundational skills. Throughout the course, you will partake in tailored workplace visits and industry insight events, explore specific career pathways and gain a clear understanding of workplace expectations. You will also undertake mock interviews, CV development activities and receive guidance and support from industry professionals to help you prepare for your next steps.

Progression

Successful completion of this course can lead to progression onto our Level 3 Advanced Technical Diploma in Plumbing, as well as 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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