



Qualification:	Apprenticeships in Plumbing and Heating
Duration:	2 years
Date/s:	On Demand
Location:	Pembrokeshire College/In the Workplace with your employer.
Cost:	No Cost

SHORT DESCRIPTION:

The Level 3 NVQ Diploma in Plumbing and Domestic Heating is for candidates who want to work within the mechanical engineering services sector and wish to progress as a qualified plumber or heating engineer. Learners are required to demonstrate the ability to perform the necessary skills and the knowledge required to be assessed against the National Occupational Standards.




As an Apprentice in college, you will learn the theory and practical knowledge of how to plan, install and commission Plumbing systems, along with why safety and the environment are also important. In the workplace you will learn how to install many different types of systems and components that are installed as part of new plumbing systems, and understand how to install and maintain electrical components associated with plumbing systems. You will also develop your knowledge of environmental technologies including solar thermal systems.

JOB ROLE:

As a paid employee you will be required to attend college 1 day per week for 2 years. The other 4 days you will spend in the workplace with your employer gaining valuable industry experience in different locations i.e from building sites to customers' homes.

COURSE CONTENT

To achieve this qualification, learners must achieve 56 credits from the core group mandatory units plus:

-  a minimum of 29 credits from the Oil Firing pathway (16 credits from the core mandatory units of the Oil Firing pathway plus 13 credits from the Oil Firing Pressure Jet Appliances route or 13 credits from the Oil Firing Vaporising Appliances route)
or
-  a minimum of 29 credits from the Solid Fuel pathway (16 credits from the core mandatory units of the Solid Fuel Pathway plus 13 credits from the Solid Mineral Fuel route or 15 credits from the Biomass Fuel route)
or
-  12 credits from the Environmental pathway (2 credits from the core mandatory unit of the Environmental pathway plus 10 credits from the Solar Thermal route or 10 credits from the Heat Pumps route or 10 credits from the Water Recycling route).

**Mandatory Units:**

- ✚ Understand how to organise resources within BSE
- ✚ Understand and apply domestic cold water system installation, commissioning, service and maintenance techniques
- ✚ Understand and apply domestic hot water system installation, commissioning, service and maintenance techniques
- ✚ Understand and apply domestic central heating system installation, commissioning, service and maintenance techniques
- ✚ Understand and carry out electrical work on domestic plumbing and heating systems and components
- ✚ Understand and apply domestic sanitation system installation, commissioning, service and maintenance techniques

Total qualification time = 560 hours

Candidates must be prepared to undertake essential skills qualifications in application of number and communications at Level 2. An additional Employers' Rights and Responsibilities module also forms part of this framework

ENTRY REQUIREMENTS:

Completion of a Level 2 Foundation Plumbing Apprenticeship
Completion of Essential Skills Qualifications
Completion of Employment Rights and Responsibilities booklet

COURSE ASSESSMENT / EXAMINATION:

Ongoing theory examinations and practical assessments

PROGRESSION:

Progression to higher apprenticeship in construction management