

Domestic Retrofit Maps

How to use these maps

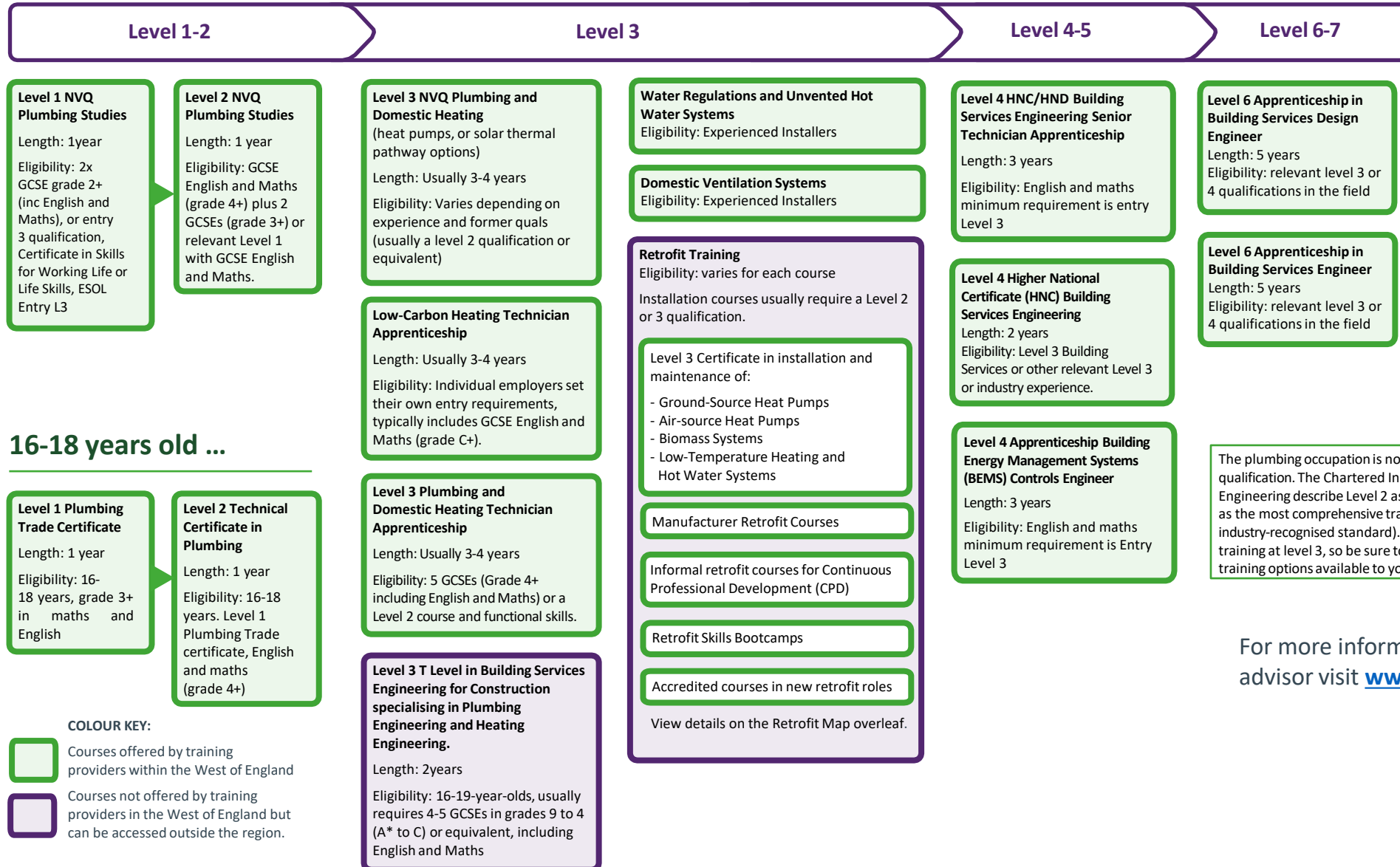
These maps show different job paths in the retrofit sector. They also show training for people who are new to this work or want to learn more about domestic retrofitting. Each job sector is divided into areas for skills training.

A key shows which courses are available for people living in the West of England. These maps are part of a group of Skills Connect resources, which include:

- [Retrofit Careers Insights](#)
- [Speak to an Advisor](#)
- [A Training Directory](#)

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For more information, or to speak to an advisor visit www.skillsconnect.org.uk

Domestic Retrofit (Plumbing and Heating) Pathway

These are some (not all) of the courses available for professionals to train in areas of domestic retrofit.

Heat Pumps

Informal

OFTEC Installation, commissioning and servicing of air source heat pumps

NICEIC Certificate in Air Source Heat Pumps

OFTEC Design of Heat Pump Systems

OFTEC Installation of Ground/Water Source Heat Pumps

Length: 2-4 days
Eligibility: Relevant qualification

Heat Pump Installer (Online CPD)

Length: 5 hours
Eligibility: For qualified professionals.

Manufacturers offer a variety of different training. Examples are provided by the [Heat Pump Association](#)

Level 1-2

BPEC Low Temperature Hot Water Heating Systems

Length: 2 days
Eligibility: Practicing plumbers and heating engineers who wish to design and install energy efficient low temperature hot water heating systems that use heat pumps as the heat source

To view training providers offering courses on heat pumps in the West of England, click to view our [Skills Connect Directory](#).

Level 3

LCL level 3 Award in the Installation and Maintenance of Heat Pump Systems (Non-refrigerant Circuits)

Length: 3 days
Eligibility: L2/3 in relevant qualification plus WRAS Water Regulations/Water Byelaws

L3 Apprenticeship: Refrigeration Air Conditioning and Heat Pump Engineering Technician

Length: 3 years
Eligibility: Individual employers set their own entry requirements, typically includes GCSE English and Maths (grade C+).

Level 3 in Air Source Heat Pump Installation

Length: 2 days
Eligibility: WRAS and UDHW qualifications.

Level 3 EAL Award in the Installation and Maintenance of Heat Pump Systems (Non-Refrigerant Circuits)

Length: 120 hours
Eligibility: Relevant Level 2 or 3 qualification.

Level 3 BPEC Award in Air Source Heat Pump Systems

Length: 5 evenings
Eligibility: For qualified plumbing and heating engineers.

BPEC Level 3 Award in the Installation and Maintenance of Heat Pump Systems

Length: 3 days
Eligibility: L2/3 relevant qualification or several years industry experience plus water regs and bylaws

Level 3 BPEC Domestic Ground Source Heat Pumps

Length: 3 days
Eligibility: Must have relevant NVQ or proven experience.

Level 3 C&G Award in the Installation and Maintenance of Heat Pump Systems (Non-Refrigerant Circuits)

Length: 1 year
Eligibility: Qualified professionals in the heating and plumbing industry.

Biomass

Informal

BPEC - Solid Biomass (NOS Mapped)

Length: 5 days
Eligibility: Either L2/3 in relevant qualification plus Water Regulations/ Water Byelaws, Energy Efficiency for Domestic Heating, Unvented hot water

Level 3

Level 3 BPEC Award in the installation and maintenance of solar thermal hot water

Length: 3 days
Eligibility: L2/3 in relevant qualification plus Water Regulations/Water Byelaws and Unvented Domestic Hot Water Storage Systems

Level 3 LCL Award in the Installation of Solar Thermal Hot Water System

Length: 3 days
Eligibility: L2/3 in relevant qualification, minimum 3 years experience, plus Water Regulations/Water Byelaws and Unvented Domestic Hot Water Storage Systems

Level 4

Level 4 HETAS Biomass Appliance Installer

Length: 5days
Eligibility: Either L2/3 in relevant qualification plus Water Regulations/Water Byelaws OR experienced workers can present portfolio of work for approval

Solar Thermal

COLOUR KEY:



Courses offered by training providers within the West of England



Courses not offered by training providers in the West of England but can be accessed outside the region.

Domestic Retrofit (Plumbing and Heating) Pathway

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Further Domestic Retrofit

Informal	Level 1-2	Level 3	Level 4-5		
General Retrofit		Retrofit Advisor	Domestic / Retrofit Energy Assessor	Retrofit Designer	Retrofit Coordinator
Retrofit 101 (online) Length: 2 hours Eligibility: None and it's free	Level 2 Award Understanding Domestic Retrofit (online) Length: 30hours (self-paced) Eligibility: None	Level 3 Certificate in Domestic Retrofit Advice Length: 30 hours (online) Eligibility: 18+ years	Level 3 Award in Domestic Energy Assessment Length: Days-Weeks depending on the course Eligibility: No previous qualifications or experience required	Skills Bootcamp – L4 Award in Domestic Retrofit Assessment Length: Usually 60 hours across 10 weeks (online) Eligibility: Level 3 Domestic Energy Assessor qualification (if you do not have this already there are combined courses available).	Level 5 CarbonLite Retrofit Coordination (online) Length: 105 self-paced hours and 2 days live online tutoring. Eligibility: AECB membership, familiar with retrofit projects.
PAS 2030 Standard Awareness (online) Length: 2 days Eligibility: None	Level 2 Award Introduction to Domestic Renewable Low Carbon Technologies (online) Length: 1-2 days Eligibility: basic literacy and numeracy	Level 3 Certificate in Retrofit Length: 20 weeks Eligibility: None but interest in Retrofit Advice is valuable and relevant.	Level 3 Certificate for Retrofit Assessors Length: Days-Weeks depending on the course Eligibility: A Domestic Energy Assessment Qualification	Level 4 Award in Domestic Retrofit Assessment Length: 80 hours Eligibility: Level 3 Domestic Energy Assessment	L5 Diploma in Retrofit Coordination and Risk Management Length: 145hours self-paced (online/in-person) Eligibility: Usually 2years experience in built environment or a relevant level 3 qualification.
CarbonLite Retrofit Foundation Course (online) Length: 2 days Eligibility: None	Level 2 Retrofit Skills (mix of online and in-person) Length: Self-paced Eligibility: 1 year work experience in Construction			Level 4 Award in Assessing Domestic Dwellings for Retrofit Length: 80 hours Eligibility: Qualified Domestic Energy Assessor	Skills Bootcamp – L5 Diploma in Retrofit Coordination and Risk Management Length: 103 hours across 13 weeks Eligibility: A level 3 qualification in a built environment
Domestic Retrofit (online) Length: 3 hours Eligibility: None	Level 2 Certificate in Retrofit Length: 20 weeks Eligibility: None but experience in Construction is helpful				
Retrofit Delivery (online) Length: 4 x 3 hour sessions Eligibility: Tailored for contractors, installers, coordinators, assessors and design professionals.	Level 2 Award for Green Ambassador within the Retrofit Sector (online) Length: 8-10 weeks Eligibility: Practical experience in the retrofit sector.				
Understanding Building Physics (online) Length: 10-12 hours across 5 weeks Eligibility: None	Level 2 C&G Award in Retrofit Length: 3 days part-time Eligibility: None				
Understanding Non-Domestic Retrofit Length: 15 hours Eligibility: None					

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To view training providers offering courses on retrofit in the West of England, click [here](#) or [Skills Connect Directory](#)

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