

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:

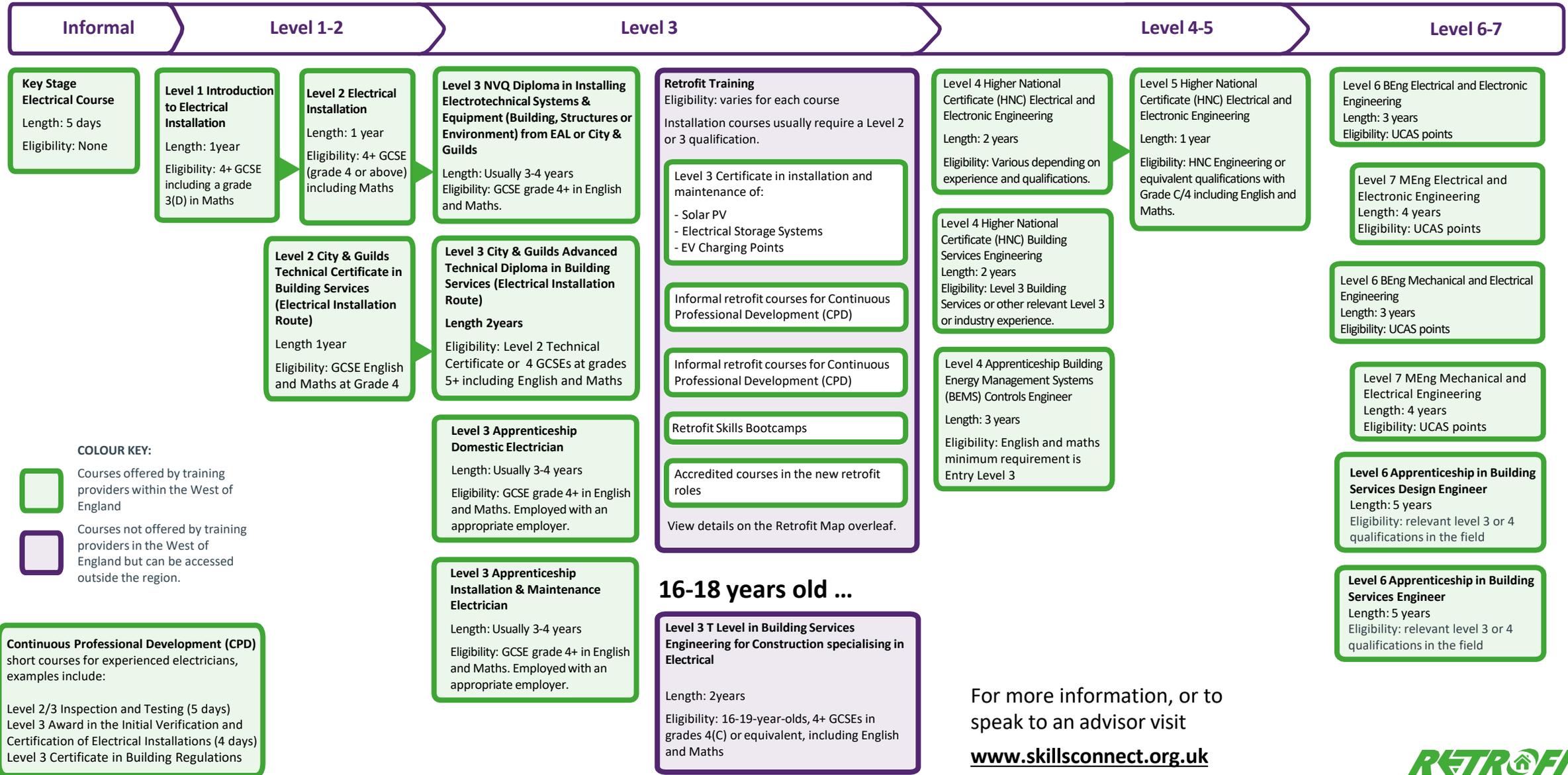
- [Retrofit Careers Insights](#)
- [Speak to an Advisor](#)
- [A Training Directory](#)

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HOW TO GUIDE

This page demonstrates the different types of training available at varying levels within the electrical career pathway. The next pages demonstrate the opportunities to train in different areas of retrofit for people working in the electrical industry.



Domestic Retrofit (Electrotechnical) Pathway

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

Solar PV

Informal

Solar Photovoltaic Maintenance

Length: 2 days
Eligibility: No formal requirements, recommended to have qualification in inspection and testing, and current edition of wiring regulations.

Level 3

Level 3 LCL Award in Installation and Maintenance of Small Scale Solar Photovoltaic Systems

Length: 3 days
Eligibility: Level 3 Award Requirements for Electrical Installations plus Level 3 Award in the Initial Verification & Certification of Electrical Installations (or combined award including Periodic Inspection & Testing)

Level 3 LCL Award in Small Scale Solar Photovoltaic Systems and Electrical Energy Storage Systems

Length: 5 days
Eligibility: Qualified electrician.

Level 3 BPEC Award in Solar Photovoltaic Systems

Length: 3 days
Eligibility: NVQ in electrical installation or earlier equivalent certification.

Level 3 C&G Award in the Installation and Maintenance of Small Scale Solar Photovoltaic Systems

Length: 1 year part-time
Eligibility: Qualified or experienced in a relevant trade.

Level 3 EAL Award in the Installation of Small Scale Solar Photovoltaic Systems

Length: 4-5 days
Eligibility: good knowledge of the latest edition of BS7671, of inspection, testing and certification of electrical installations

Level 7

Level 7 in Solar Industry Leader Programme

Length: 18months
Eligibility: Working in a leadership role within a solar company

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.

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

Energy Storage

Informal

Electrical Energy Storage Systems Fundamentals (online)

Length: 1 day
Eligibility: Basic understanding of electrical installation principles.

Level 3

Level 3 BPEC Award in the Design and Installation and Commissioning of Electrical Energy Storage Systems

Length: 2.5 days
Eligibility: Level 3 in relevant electrotechnical qualification plus ECS Gold card, JIB Electrician or Approved Electrician Card

Level 3 C&G Award in the Design and Installation and Commissioning of Electrical Energy Storage Systems

Length: 3 days
Eligibility: Level 3 electrotechnical qualification.

Level 3 LCL Award: Design, Installation and Commissioning of Electrical Energy Storage Systems

Length: 3 days
Eligibility: Level 3 Award in the Requirements for Electrical Installations plus Level 3 Award in the Initial Verification and Certification of Electrical Installations (or a combined award including Periodic Inspection & Testing)

Level 3 EAL Award in the Design and Installation and Commissioning of Electrical Energy Storage Systems (EESS)

Length: 3.5 days
Eligibility: Level 3 Award in the Requirements for Electrical Installations plus Level 3 Award in the Initial Verification and Certification of Electrical Installations (or a combined award including Periodic Inspection & Testing)

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

Domestic Retrofit (Electrotechnical) Pathway

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Electric Vehicle Charging

Informal

Electric Vehicle Charging Installations Fundamentals (online)

Length: 1 day
Eligibility: No formal requirements.

Level 3

Level 3 C&G Award in the design and Installation of domestic and small commercial electric vehicle charging installation

Length: 2 days
Eligibility: Candidates need to be experienced in electrical installation practices, inspection and testing and certification of electrical installations.

Level 3 C&G Award in Domestic, Commercial & Industrial EV Charging Equipment Installation

Length: 2 days
Eligibility: Candidates need to be already experienced in electrical installation practices, inspection and testing and certification of electrical installations.

Level 3 EAL Award in the Requirements for the Installation of Electric Vehicle Charging Points

Length: 2 days
Eligibility: Competent electrician with relevant Level 3 qualification or ECS gold card

Level 3 EAL Award in the Requirements for the Installation of Electric Vehicle Charging Points

Length: 2 days
Eligibility: 18+ with experience of installing PVC and SWA cable and up to date knowledge of wiring regulations.

Level 3 LCL Award in the Installation and Commissioning of Electric Vehicle Charging Equipment in Domestic, Commercial and Industrial Locations

Length: 2 days
Eligibility: Competent electrician with relevant Level 3 qualification.

Level 3 EAL Award in the Installation of Electric Vehicle Charging Points

Length: 1 day
Eligibility: Qualified electrician.

Level 3 EAL Award Technical Specialist in the Installation of Electric Vehicle Charging Equipment

Length: 12 hours
Eligibility: Competent electrician with relevant Level 3 qualification.

Skills Bootcamp: Level 3 Electric Charging Point

Length: 60+ hours
Eligibility: 19+, practicing electrician with Level 3 qualification

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.

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

Domestic Retrofit (Electrotechnical) Pathway

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

Further Domestic Retrofit

Informal	Level 1-2	Level 3	Level 4-5
	General Retrofit	Retrofit Advisor	Domestic / Retrofit Energy Assessor
<p>Retrofit 101 (online) Length: 2 hours Eligibility: None and it's free</p> <p>PAS 2030 Standard Awareness (online) Length: 2 days Eligibility: None</p> <p>CarbonLite Retrofit Foundation Course (online) Length: 2 days Eligibility: None</p> <p>Domestic Retrofit (online) Length: 3 hours Eligibility: None</p> <p>Retrofit Delivery (online) Length: 4 x 3 hour sessions Eligibility: Tailored for contractors, installers, coordinators, assessors and design professionals.</p> <p>Understanding Building Physics (online) Length: 10-12 hours across 5 weeks Eligibility: None</p> <p>Understanding Non-Domestic Retrofit Length: 15 hours Eligibility: None</p>	<p>Level 2 Award Understanding Domestic Retrofit (online) Length: 30hours (self-paced) Eligibility: None</p> <p>Level 2 Award Introduction to Domestic Renewable Low Carbon Technologies (online) Length: 1-2 days Eligibility: basic literacy and numeracy</p> <p>Level 2 Retrofit Skills (mix of online and in-person) Length: Self-paced Eligibility: 1 year work experience in Construction</p> <p>Level 2 Certificate in Retrofit Length: 20 weeks Eligibility: None but experience in Construction is helpful</p> <p>Level 2 Award for Green Ambassador within the Retrofit Sector (online) Length: 8-10 weeks Eligibility: Practical experience in the retrofit sector.</p> <p>Level 2 C&G Award in Retrofit Length: 3 days part-time Eligibility: None</p>	<p>Level 3 Certificate in Domestic Retrofit Advice Length: 30 hours (online) Eligibility: 18+ years</p> <p>Level 3 Certificate in Retrofit Length: 20 weeks Eligibility: None but interest in Retrofit Advice is valuable and relevant.</p>	<p>Level 3 Award in Domestic Energy Assessment Length: Days-Weeks depending on the course Eligibility: No previous qualifications or experience required</p> <p>Level 3 Certificate for Retrofit Assessors Length: Days-Weeks depending on the course Eligibility: A Domestic Energy Assessment Qualification</p>
			Retrofit Designer
			Retrofit Coordinator
			<p>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).</p> <p>Level 4 Award in Domestic Retrofit Assessment Length: 80 hours Eligibility: Level 3 Domestic Energy Assessment</p> <p>Level 4 Award in Assessing Domestic Dwellings for Retrofit Length: 80 hours Eligibility: Qualified Domestic Energy Assessor</p>
			<p>Level 4-5 Retrofit Designer Course Length: 80 hours Eligibility: Either Qualified and practising as a Retrofit Coordinator OR Qualified in architecture, architectural technology, surveying or construction management with experience in using design software.</p> <p>Level 5 CarbonLite Retrofit Coordination (online) Length: 105 self-paced hours and 2 days live online tutoring. Eligibility: AECB membership, familiar with retrofit projects.</p> <p>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.</p> <p>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</p>

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.

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