

2399

City
Guilds

**LEVEL 3 AWARDS IN
INSTALLATION AND MAINTENANCE
OF ENVIRONMENTAL
TECHNOLOGIES**

**BUILDING SERVICES ENGINEERING
QUALIFICATION FACTSHEET**

LEVEL 3 AWARDS IN INSTALLATION AND MAINTENANCE OF ENVIRONMENTAL TECHNOLOGIES

Framework Qualification	Credit	Fundable	GLH	QAN	City & Guilds number
Level 3 Award in Understand the Fundamental Principles and Requirements of Environmental Technology Systems	2	Yes	15	600/0701/1	2399-01
Level 3 Award in the Installation of Small Scale Solar Photovoltaic Systems	8	Yes	65	501/1715/4	2399-11
Level 3 Award in the Installation and Maintenance of Small Scale Solar Photovoltaic Systems	12	Yes	95	501/1641/1	2399-12
Level 3 Award in the Installation of Solar Thermal Hot Water Systems	8	Yes	65	501/1889/4	2399-21
Level 3 Award in the Installation and Maintenance of Solar Thermal Hot Water Systems	12	Yes	95	501/1640/X	2399-22
Level 3 Award in the Installation of Heat Pumps Systems (Non-refrigerant Circuits)	8	Yes	65	501/1642/3	2399-31
Level 3 Award in the Installation and Maintenance of Heat Pumps Systems (Non-refrigerant Circuits)	12	Yes	95	501/1643/5	2399-32
Level 3 Award in the Installation of Water Harvesting and Re-use Systems	8	Yes	65	501/1645/9	2399-41
Level 3 Award in the Installation and Maintenance of Water Harvesting and Re-use Systems	12	Yes	95	501/1644/7	2399-42

Qualification aim	Qualification level and definition	Progression routes
Responding to the need for domestic-scale low carbon and environmentally-friendly technologies, these qualifications act as Continuing Professional Development for qualified electricians, plumbers and mechanical engineers who wish to broaden their skills. They provide in-depth knowledge of environmental technologies and the competence to install and maintain these in the home environment.	<p>These Level 3 Awards demonstrate the competence and knowledge to act in a safe, efficient manner appropriate to the installation of environmental technologies in residential properties.</p> <p>Qualification subjects include understanding the fundamental principles and requirements of environmental technologies, as well as Solar PV, Solar Thermal, Biomass, Heat Pumps and Rainwater harvesting technologies.</p>	Our qualifications lead directly into employment, offering learners the chance to develop their skills to a high standard that is recognised by Microgeneration Certification Scheme (MCS). Alternatively, learners may wish to move onto related qualifications in Smart Metering, Insulation, Gas Installation and Green Deal Advice. Future developments in this area include Micro-CHP, Wind, Fuel Cells and other areas of renewable technology.

	Product Information: Key features	Key benefits
Structure	Designed by Summit Skills in conjunction with Industry and City & Guilds.	The structure of the qualification means that electricians and plumbers can up-skill to install these technologies, an approach supported by the National Skills Academy for Environmental Technologies. Qualification content meets the need recognised as standard laid down by the MCS and is fast becoming the industry requirement for ensuring installers are sufficiently trained.
Assessment	Web-based assessments, available on-demand.	All assessments are produced by City & Guilds in collaboration with industry experts, so you can be sure your learners are equipped with the knowledge and skills they need to install microgeneration technologies. Our on-demand assessment system is flexible to suit learner and centre needs.
Support	SmartScreen materials available to help delivery of the qualification.	SmartScreen materials, including activities and lesson plans, are available for a small one-off fee (not per learner). They support the delivery of the qualifications and provide access to technical experts and dedicated support. www.smartscreen.co.uk

Reasons to choose City & Guilds	
Widest range of qualifications	City & Guilds is the market-leading awarding organisation for qualifications in Building Services Engineering. Learners can progress to and from the 2399 suite to a variety of industry standard qualifications.
Industry recognition	Our qualifications are trusted and valued by both experts and employers across the building services industry. Learners are supported by this strong recognition throughout their careers.
Experience and expertise	We have over 125 years experience of designing assessments to ensure we are testing the right skills and knowledge, and we have been producing qualifications in environmental technologies for over 20 years.

For more information call +44 (0) 844 543 0000,
email: centresupport@cityandguilds.com or visit www.cityandguilds.com