Bootcamp – Renewable Technologies

Bootcamp overview

Bootcamps are intensive, fast-paced training programmes designed to quickly develop practical, job ready skills in a specific area. They typically run for 6 to 10 weeks and involve between 60 and 150 guided learning hours (GLH). Bootcamps focus on hands-on, applied learning rather than theory, and are often tailored to meet current industry needs, particularly in sectors like digital, tech, green energy, and health.

Bootcamps are aimed at adults looking to upskill, retrain, or change careers, and are commonly delivered through partnerships between training providers, employers, and government schemes. Many include employer engagement, project work, and direct links to job opportunities at the end. They offer a flexible and focused alternative to longer qualifications, often leading straight into employment or further training.

This bootcamp is designed to provide learners with a comprehensive understanding of renewable technologies and sustainable energy principles. It aligns with the NOCN Level 2 Certificate in Fundamental Principles of Renewable Technologies and Sustainable Energy, a regulated qualification developed in collaboration with industry experts to meet the growing demand for skilled professionals in the renewable energy sector.

The programme covers essential topics such as the formation and impact of fossil fuels, the science of global warming, strategies for achieving net zero, and practical knowledge of renewable technologies like air source heat pumps, solar thermal systems, and domestic energy solutions.

These focused bootcamps are particularly suited to individuals seeking to specialise or meet entry requirements for further qualifications or employment in sectors such as construction, manufacturing, or engineering. Learners can choose to complete one or progress through multiple bootcamps to broaden their skillset.

NOCN Renewable Technologies Skills Bootcamp Bundle:

Components	Ofqual Reference	Resources	Total qualification time	Guided learning hours
NOCN Level 2 Certificate in Fundamental Principles of Renewable Technologies and Sustainable Energy	610/5429/X	Tutor Guides, powerpoints, learner gudies	130	81
Health and Safety Awareness in Construction	30009560	PowerPoints or eLearning	10	7
Employability Skills (can be taken as a whole or selecting individual modules as needed from Personal Branding for	n/a	eLearning	10	8

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Career Success, High Impact CVs, Interview Excellence)				
Entry guidance There are no formal entry requirements for this bootcamp.		**Funding** MCA/GLA/Central funding available.		**Total GLH** 96

Content Overview

The Renewable Technologies and Sustainable Energy Bootcamp is structured around a full Level 2 regulated qualification, the NOCN Level 2 Certificate in Fundamental Principles of Renewable Technologies and Sustainable Energy. This ensures learners gain credible recognition for their achievements and are well prepared for progression into green jobs or advanced study.

To strengthen employability and workplace readiness, the bootcamp also includes a regulated unit in health and safety, the Health and Safety awareness in Construction, helping ensure learners can operate safely and confidently in construction and low carbon settings.

Learners also complete employability activities such as CV writing, interview preparation, teamwork, and communication. These components prepare them for job applications, site readiness, and working effectively with others in renewable energy and retrofit teams.

Components of a Renewable Technologies Bootcamp

- NOCN Level 2 Certificate in Fundamental Principles of Renewable Technologies and Sustainable Energy
- Health and Safety Awareness in Construction (NOCN Assured Course)
- Employability Skills (can be taken as a whole or selecting individual modules as needed from Personal Branding for Career Success, High Impact CVs, Interview Excellence)

Delivery

Core Aim – Level 2 Certificate in Fundamental Principles of Renewable Technologies and Sustainable Energy

The bootcamp spans approximately 6 to 10 weeks, combining various instructional methods:

- **Classroom Sessions**: Covering theoretical aspects of the mandatory units.
- **Practical Workshops**: Hands-on training in selected optional units, utilizing state-of-the-art facilities and equipment.
- **E-Learning**: The Employability Skills course is delivered through our e-learning modules
- **Self-Study**: Supplementary materials and resources for independent learning.
- **Assessments**: Conducted throughout the programme to evaluate understanding and proficiency.

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Assessment

NOCN Level 2 Certificate in Fundamental Principles of Renewable Technologies and Sustainable Energy

Each unit within the qualification has specific assessment criteria:

- **Mandatory Units**: Assessed via multiple-choice question tests.
- **Optional Units**: Assessed through practical observations and design projects, depending on the unit's focus.

Assessments are designed to be fair, inclusive, and reflective of real-world scenarios, ensuring learners are well-prepared for employment in the renewable energy sector.

Health and Safety Awareness in Construction

- Online multiple-choice assessment

Employability Skills

- Internally set and internally assessed assessments set by the centre

Progression opportunities

Upon successful completion of the bootcamp, learners will be equipped to pursue various roles within the renewable energy industry, such as:

- Renewable Energy Technician
- Sustainable Energy Advisor
- Installation and Maintenance Engineer for Renewable Systems

Further educational pathways include Low Carbon Heating Technician Diploma and the Low Carbon Heating Technician Apprenticeship standard

Website Location

Each of the qualifications, courses or units that sit within our bundles can be found on our website, please see below:

- NOCN Level 2 Certificate in Fundamental Principles of Renewable Technologies and Sustainable Energy
- Health and Safety Awareness in Construction

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Who are we?

NOCN Group is an educational charity whose core aims are to help learners reach their potential and organisations thrive. The group includes business units specialising in regulated UK and international qualifications, End Point Assessment, Access to Higher Education, assured short courses, SMART job cards, assessment services, consultancy and research.

We influence: We work closely with regulators and governments to influence policy decisions affecting the sector on behalf of the providers we serve.

We specialise: Our subject matter experts create learning content tailored to meet the future needs of the sectors we operate in.

We care: We aim to work in partnership with our customers, offering support and training to ensure an excellent learner experience.

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