Awareness of Renewable Technologies Short Course

AORT Course Specification 20Oct2025

Introduction

NOCN is a market-leading awarding organisation that has been providing qualifications, assured short courses, various courses for a wide range of centres, including FE colleges and training providers, for 30 years both in the UK and internationally.

We work with centres to deliver a high quality and flexible service for learners to underpin our passionate belief in the power of education and its impact on communities and individuals.

We offer all the advantages of being with a national awarding organisation with a diverse portfolio of qualifications, alongside providing a personalised, bespoke, service to our centres and learners.

As an accredited Leader in Diversity, we are proud of our reputation as a provider of fully accessible, trusted, and flexible qualifications.

About NOCN Group

NOCN is part of NOCN Group, a progressive 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, endorsed programmes and assured short courses, Smart job cards, assessment services, consultancy, and research.

NOCN Group shares a joint purpose to offer learners, training providers, employers, and FE Colleges a fully integrated range of learning and skills development products and services.

Information about all our courses and qualifications is available from our website: www.nocn.org.uk/

Course Specification

NOCN Group have produced this short e-learning, and self-paced course which has been designed to explore **Sustainability, Climate Action, and the Journey to Net Zero,** including the topics of fossil fuels, Global warming and Climate action to attain Net Zero.

The course aims to provide the knowledge to individuals seeking to understand today's environmental challenges and will examine the impact of fossil fuels on global warming and discuss the urgent need for climate action. You'll learn about strategies to achieve net zero emissions and explore practical steps for a more sustainable future.

The course gives candidates the opportunity to review their learning by completing review tasks throughout and multiple-choice questions and answers at the end of the course.

This course will benefit particularly those who have no or little experience, it is entirely theory-based and designed so that you'll grasp key concepts and feel empowered to contribute to a healthier planet.

The outline, structure and content of this course is assured by NOCN Group and industry experts have been involved in the development of the content.

Course Content / Objectives

Session 1 : Fossil Fuels

This session will focus on:

- Energy Origins
- Existing Energy Grids
- Carbon Emissions resulting from the Grid
- Global Emissions

Session 2: Global Warming

This session will focus on:

- What is Global Warming?
- The Greenhouse Effect
- Carbon Footprints
- Environmental Impact

Session 3: Climate Action to Attain Net Zero

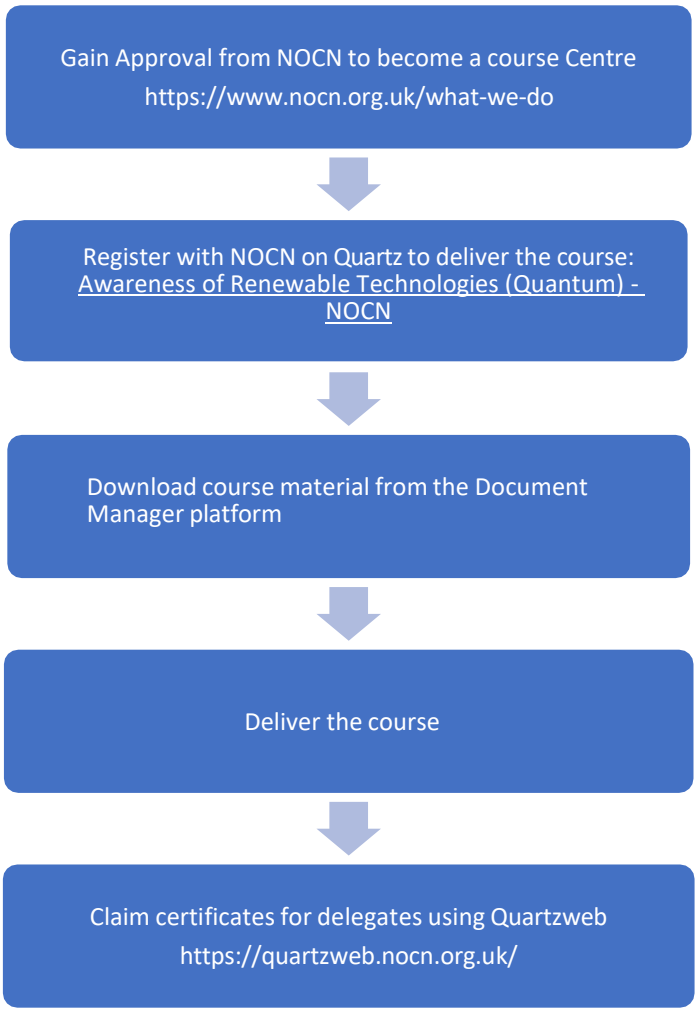
This session will focus on:

- Net Zero Goals & Policy
- Cleaning up energy production
- Renewable energy sources
- Domestic energy Efficiency

Course Approval

Prior to advertising or delivering this Assured Course, organisations must first gain Centre Approval from NOCN as well as gaining approval for each individual short course. For further information regarding gaining approval, please contact the NOCN Onboarding Team at onboarding@nocn.org.uk.

Approval, Readiness, Deliver and Certification Process



Trainer Requirements

Online Version
The course structure is completed self-paced by the learner and entirely self-contained within the online platform, with no tutor-led sessions required. Learners will engage with interactive content, including written explanations, interactive information, and knowledge checks to reinforce understanding. At the end of the course, a final knowledge assessment containing 30 MCQ'S must be completed to confirm the appropriate learning has taken place.

The course can also be delivered in centre, where a tutor/trainer is required.
A tutor/trainer includes anyone within your centre who is facilitating the training to learners in any environment e.g., tutor, trainer, teacher, coach, facilitator. That individual can also perform the role of Assessor for this course.

If appropriate, tutor/trainers and assessors must:

- Hold verifiable knowledge of the occupational standards at or above the level being taught.
- Hold or be working towards a recognised teaching/training or assessor qualification (dependent on their role), examples of what NOCN will accept are detailed within the Quality Assurance Manual.
- Keep up to date with industry best practice for the duration of their role.
- Maintain a record of Continuous Personal Development (CPD).
- Hold an up-to-date CV.

Please refer to the Assured Course Quality Manual, available on the NOCN website for further tutor requirements.

Resource and Equipment Requirements

This course is entirely theory-based; in order to deliver the course **in centre**, the centre must have access to and make use of the following resources and equipment:

Requirement	Detail
Training Environment	• Knowledge is taught and delivered in centre by tutor/trainer using NOCN/Quantum training materials.
Tools/Equipment	• Course Presentation. • Projector / Laptop. • Flipchart and pens.
Personal Protective Equipment	• No PPE is required
Delivery	• Knowledge is delivered by a centre tutor/trainer, using the presentation on NOCNs Document Manager platform.
Testing	• Each module contains 5 knowledge retrieval questions, which are auto computer marked. The Pass mark for each assessment is 80% • At the end of course there will be a 30 question MCQ Assessment. The pass mark for the paper is 80%. Learners will have 45 minutes in which to complete it. This will be auto computer marked and can be retaken if the learner does not

	reach the pass mark the first time.

Course Structure

The course covers the knowledge required and each module has its overarching learning objectives:

Fossil Fuels

- Fossil fuels and how they are formed (extraction and formation)
- How fossil fuels create energy and their usage in our lives
- The production of UK energy and what that means.
- The National Grid and the journey from source to your home and industry.
- Energy usage and corresponding data

Global Warming

- Global emissions and corresponding data
- Global warming – causes and effects on earth.
- The Greenhouse Effect
- Carbon Footprints – human, home and business impacts
- Becoming more energy efficient in our homes.
- Environmental Impact- the effects on global warming

Climate Action to Attain Net Zero

- Net zero goals & policy – what the world is doing to achieve this.
- Cleaning up energy production and solutions to achieve this.
- Renewable energy sources – new, cleaner ways to generate energy.
- Domestic energy efficiency – Thinking of our homes and the history of energy usage and efficiency.

Course Delivery

The course will be delivered over a suggested One day or around 8 hours. Centres are responsible for ensuring sufficient delivery time to confirm candidates have undertaken all the required learning and end of course assessment.

The NOCN/Quantum assured training resources must be used to deliver the training. To ensure that the most up-to-date material is being used, **centres must download the material from the NOCN document manager platform each time, prior to delivery of a course**. All surplus training materials must be destroyed after each

occasion that a course has been run.

The training's structure is provided via the presentation, downloadable from NOCN's platform. Tutor/trainers are expected to use the course to guarantee that delegates witness the total information required to complete it. If delivery of the content is in the classroom, tutors/trainers are responsible for ensuring the candidate's understanding of the material before the assessment are completed,

Assessment

This course is assessed by retrieval questions contained within the presentation and 30 MCQ's at the end of the course to check learners' knowledge. The pass mark is 24/30 and learners will have 45 mins in which to complete it. Certification is then completed by the trainer once the delegate/s have completed the course.

Quality Assurance

The Quality Assurance requirements of Assured Course delivery can be found within the Assured Course Quality Manual, available on the NOCN website.

You will be allocated a NOCN EQA who will visit the centre in line with our quality policy. All centres must keep evidence of the assessments for a minimum of 3 years for review.

Progression

After completion of this course, you may wish to go into the industry standard Level 3 pathways linked to renewables such as:

A relevant Level 3 qualification in renewable technologies
NOCN Level 3 Diploma in Low Carbon Heating Technician
NOCN Level 3 Award for Solar PV Installer and Operator
NOCN Level 3 Certificate for Solar PV Installer and Operator
NOCN Level 3 Award in Domestic Retrofit Advice
Low Carbon Heating Technician Apprenticeship.

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10/11/25	New document uploaded

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