

CHARTERED 
INSTITUTE OF PROFESSIONAL CERTIFICATIONS

CERTIFIED NET ZERO CARBON EMISSIONS LEADER™

CNZ™

**Fully Accredited
By:**

Chartered Institute of
Professional Certifications

CPD
Certification Service



PROGRAM OVERVIEW



Companies that implement carbon emissions strategies can **reduce emissions by up to 50%, saving over \$650 billion globally**, according to the Carbon Disclosure Project. With over 500 major companies worldwide now setting science-based emissions targets aligned with the Paris Agreement, adopting strong carbon strategies makes fiscal and ethical sense as shareholder and public pressure mounts to limit contribution to climate change.

This certified program is designed to provide you with knowledge in the rapidly developing field of net zero carbon emissions and establish you as an authority committed to driving sustainable change within your organization. Through this program, you will gain deep insights into critical areas such as **renewable energy transition strategies, carbon offsetting methods, energy efficiency techniques, and policy frameworks relevant to net zero initiatives**. You will learn to critically evaluate **your organization's carbon footprint, devise actionable net zero plans, and proficiently track, monitor, and report the progress against predetermined goals**.

Using powerful case studies and real-world examples, you will gain an in-depth understanding of key topics including **decarbonization pathways, carbon removal techniques, climate risk analysis, green financing, and net zero reporting frameworks**. Additionally, you will learn how to assess your organizations current emissions, model future emissions trajectories, identify the most impactful carbon abatement opportunities, and develop robust transition roadmaps to align organizations with science-based net zero targets. This program will also guide you through a thorough understanding of **stakeholder engagement, effective carbon disclosure, and compliance with evolving international standards and regulations**.

Upon completing the program, you will be awarded the **Certified Net Zero Carbon Emissions Leader (CNZ™)** designation, demonstrating your **expertise in net zero strategies and certification as a leader driving sustainable change**. This credential will set you apart as an authority in pioneering carbon management strategies, bolster your professional credibility and expand your career opportunities within the industry. We look forward to welcoming you to this program.

ACCREDITATIONS



4.8




4.6



KEY SKILLS YOU WILL GAIN

From This Program



CARBON FOOTPRINTING
CARBON SEQUESTRATION
CARBON ACCOUNTING
CARBON FOOTPRINT ASSESSMENT

GREENHOUSE GAS ACCOUNTING
GHG PROTOCOLS
GHG REPORTING
NET ZERO CONCEPTS

NET ZERO STRATEGIES
SUSTAINABILITY REPORTING
CARBON OFFSETTING
SUSTAINABLE PRACTISES

CLIMATE POLICY
CLIMATE MITIGATION
EMISSION REDUCTION (SCOPE 1 & 2 & 3)
CARBON CAPTURE UTILIZATION AND STORAGE (CCUS)
SUSTAINABLE DEVELOPMENT GOALS

POLICY COMPLIANCE
RENEWABLE ENERGY TRANSITION

YOUR FACULTY DIRECTOR



Dr. Rachel Gavey

Leading Expert in Net Zero, Sustainability & Climate Risk

Dr. Rachel Gavey is a leading expert in net zero carbon emissions, sustainability, and climate risk, with extensive experience advising multinational corporations, governments, and investors on decarbonization and energy transition strategies. As Co-founder and Commercial Director of *sustain:able*, she **partners with hard-to-abate sectors such as oil and gas, mining, and steel to embed credible net zero pathways, emissions accounting, and non-financial reporting frameworks (TCFD, GRI, ISSB) into corporate strategies**. Through RGC Ltd., Rachel also delivers tailored support on renewable energy projects, low-carbon technologies, and climate risk assessments.

Her leadership extends to governance roles including **Deputy Chair and Board Director of the Scottish Energy Forum and Chair of the Wessex Regional Flood and Coastal Committee with DEFRA and the Environment Agency**. Based between the UK and Saudi Arabia, and guest lecturing at the University of Bath School of Management, Rachel blends global insights with technical expertise in energy, climate science, and risk management to drive measurable, science-aligned net zero transformation.

OUR PARTICIPANTS

Over 70% of FORTUNE 500 Companies Have Attended Our Accredited Programs Before



PROGRAM AGENDA



MODULE 1 - UNDERSTANDING NET ZERO, CLIMATE NEUTRALITY, AND 1.5°C PATHWAYS

- Definitions and distinctions between net zero, carbon neutrality, and climate neutrality
- The science of carbon budgets and temperature thresholds
- Emissions trajectories aligned with 1.5°C – Paris Agreement

MODULE 2 - SCOPE 1, 2, AND 3 EMISSIONS – CLASSIFICATION AND CALCULATION

- Overview of emissions scopes with practical examples
- Upstream/downstream value chain mapping
- Emissions boundary setting and data sources

MODULE 3 - APPLYING THE GHG PROTOCOL AND ISO 14064 STANDARDS

- Overview of both frameworks and how they align
- Use cases and sector-specific guidance
- Integration into ESG reporting and assurance

MODULE 4 - ESG STRATEGY AND RISK – ASSESSING IMPACTS, RISKS AND OPPORTUNITIES

- Physical and transitional climate risk assessment
- Identifying ESG opportunities and aligning with business priorities
- Building a practical ESG roadmap

MODULE 5 - DOUBLE MATERIALITY ASSESSMENTS – FRAMEWORKS AND IMPLEMENTATION

- What is double materiality and who requires it (CSRD, ESRS)
- Step-by-step approach to conducting one
- Output use in risk registers, reporting, and strategy
- Importance of engaging stakeholders

MODULE 6 - BUILDING AND EXECUTING A SCIENCE-ALIGNED NET ZERO ROADMAP

- Setting interim targets and KPIs
- Sectoral pathways and credible action plans
- Governance, accountability, and tracking progress

PROGRAM AGENDA



MODULE 7 - ESG AND CLIMATE REPORTING FRAMEWORKS – GLOBAL LANDSCAPE AND EU ALIGNMENT

- Overview of key reporting frameworks
- CSRD & ESRS (EU)
- TCFD (global), ISSB (IFRS S1/S2)
- CDP, GRI, SEC climate rules (US)
- Current status and convergence of frameworks (e.g., how TCFD informs ISSB and CSRD)
- How to select the right framework(s) for your organisation
- Interoperability between frameworks and what's emerging as "global baseline"

MODULE 8 - RENEWABLE ENERGY AND ELECTRIFICATION FOR NET ZERO

- Role of renewables in emissions reduction
- Electrification of heat, transport, and processes
- Challenges of electrification and links to mining

MODULE 9 - EU ETS AND CBAM – INDUSTRIAL EMISSIONS REGULATION

- Role of carbon pricing in operational decision-making

- Trade implications and border adjustments

MODULE 10 - SUSTAINABLE MOBILITY AND URBAN TRANSPORT SOLUTIONS

- CO₂ standards, zero-emission vehicles, and EV rollouts
- Sustainable Urban Mobility Plans (SUMPs)
- Aviation and maritime transition policies

MODULE 11 - ENERGY EFFICIENCY AND GREEN BUILDING CERTIFICATION

- EPBD, retrofitting strategies, and performance baselines
- Smart systems and demand reduction
- Certification schemes: BREEAM, LEED, Level(s)

MODULE 12 - CLIMATE FINANCE AND SUSTAINABLE INVESTMENT

- Assessing climate-related financial risks and opportunities
- Financing mechanisms and access to capital

PROGRAM AGENDA



MODULE 13 - MONITORING, REPORTING, AND VERIFICATION (MRV) SYSTEMS

- Core elements of MRV and examples of digital platforms
- MRV in carbon markets and reporting regimes
- Ensuring integrity and auditability

MODULE 14 - AI AND CLIMATE TECH IN EMISSIONS MANAGEMENT

- Emerging tools: AI, IoT, blockchain
- Copernicus, Earth observation and satellite-based MRV
- Tech-driven offsets and digital MRV platforms

MODULE 15 - JUST TRANSITION AND CLIMATE GOVERNANCE

- Leadership roles in climate strategy
- Workforce reskilling and social equity
- EU Just Transition Mechanism and governance best practices

EXAMINATION

YOUR CHARTER DESIGNATION



Chartered Institute of Professional Certification's programs are unique as they provide you with professional charter designation and mark that can be used across your lifetime once you have completed our programs.

Upon completing the program and passing the exam, you will receive the prestigious **Certified Net Zero Carbon Emissions Leader (CNZ™)** designation. Developed by the esteemed **Chartered Institute of Professional Certifications**, a leading authority in professional certifications, this industry-recognized trademarked charter distinguishes your profound expertise in the realm of carbon emissions reduction and sustainability leadership. The program's content has been independently accredited and certified by **CPD**, ensuring that it meets the highest standards in continuing professional development. This distinguished designation will not only elevate your credibility but also enhance your marketability to potential employers or clients, making you stand out as a highly skilled and knowledgeable expert in the field of sustainability and carbon emission management.

ABOUT US

49,525

Business Leaders Have
Attained Their Chartered
Certifications Since 2009

390

Certified and Fully
Accredited Programs

87%

Chartered Leaders Have
Reported Career Promotions
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OUR FACULTY DIRECTORS

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Stanford University



UNIVERSITY OF MICHIGAN



THE LONDON SCHOOL
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Business
School**

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Business
School**



CONTACT US TODAY

We Thank You for Your Ongoing Support
of Our Programs

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