Carbon Credit Project Development Training Course

Professional Development Training Course Outline

Category	Renewable Energy	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Carbon Credit Project Development Training Course is designed to equip professionals with advanced knowledge and practical skills required to develop, manage, and scale high-quality carbon offset projects aligned with global climate goals. With increasing demand for Net Zero strategies, carbon neutrality, climate finance, ESG reporting, carbon markets, and greenhouse gas (GHG) reduction initiatives, organizations worldwide require experts who can navigate the complete carbon project lifecycle from project identification and feasibility assessment to carbon accounting, validation, verification, certification, and carbon credit commercialization.

This comprehensive training program provides practical insights into voluntary carbon markets (VCM), compliance carbon markets, carbon standards, carbon methodologies, nature-based solutions, technology-based carbon removal, carbon measurement and monitoring systems, and sustainable development impacts. Participants will gain industry-relevant expertise through real-world case studies covering renewable energy, forestry, agriculture, waste management, blue carbon, and carbon removal projects. The course prepares professionals to design credible carbon projects that deliver measurable climate impact, financial value, and long-term sustainability outcomes.

Programme Curriculum

Carbon Credit Project Development Training Course

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Course Duration

5 days

Course Objectives

By completing this Carbon Credit Project Development Training Course, participants will be able to:

1. Understand the fundamentals of carbon markets, carbon pricing, and climate finance mechanisms.
2. Develop and evaluate bankable carbon credit project concepts using international best practices.
3. Master GHG accounting, carbon footprint assessment, and emission reduction quantification.
4. Learn carbon project registration processes under leading carbon certification standards.
5. Apply additionality, baseline assessment, leakage analysis, and permanence principles.
6. Design effective Project Design Documents (PDDs) for carbon credit projects.
7. Understand carbon methodologies, MRV frameworks, and digital monitoring technologies.
8. Explore opportunities in voluntary carbon markets and Article 6 carbon trading mechanisms.
9. Develop strategies for carbon credit validation, verification, issuance, and trading.
10. Evaluate nature-based carbon solutions and ecosystem restoration projects.
11. Understand the role of ESG, sustainability reporting, and climate disclosure frameworks.
12. Identify investment opportunities through carbon finance and climate investment models.
13. Build expertise to lead successful Net Zero, decarbonization, and carbon removal initiatives.

Target Audience

1. Sustainability professionals and ESG managers
2. Carbon market consultants and climate advisors
3. Environmental engineers and project developers
4. Renewable energy and clean technology professionals
5. Government officials and policy makers
6. Corporate sustainability and CSR teams
7. Financial institutions, investors, and climate finance professionals
8. NGOs, researchers, and environmental practitioners

Course Modules

Module 1: Fundamentals of Carbon Markets and Climate Change

- Introduction to global carbon markets and climate action frameworks
- Understanding carbon credits, carbon offsets, and emission reduction units
- Overview of Paris Agreement, Net Zero pathways, and climate commitments

- Difference between voluntary carbon markets and compliance markets
- Role of carbon markets in achieving global decarbonization targets
- Case Study: Analysis of global carbon market development and the growth of corporate carbon neutrality programs.

Module 2: Carbon Credit Project Identification and Feasibility Assessment

- Identifying high-impact **carbon project opportunities**
- Conducting carbon project feasibility studies
- Evaluating technical, financial, and environmental viability
- Selecting appropriate carbon methodologies
- Developing carbon project investment concepts
- **Case Study:** Feasibility assessment of a solar energy carbon credit project in an emerging economy.

Module 3: Carbon Accounting, Baseline Development, and GHG Quantification

- Principles of **greenhouse gas accounting**
- Establishing project baselines and emission scenarios
- Calculating emission reductions and removals
- Understanding Scope 1, Scope 2, and Scope 3 emissions
- Carbon footprint assessment tools and techniques
- **Case Study:** Calculation of emission reductions from a waste-to-energy carbon project.

Module 4: Carbon Project Design Document (PDD) Development

- Structure and requirements of a carbon project document
- Defining project boundaries and monitoring plans
- Demonstrating additionality and environmental integrity
- Developing sustainable development impact statements
- Preparing documentation for carbon certification
- **Case Study:** Development review of a registered forest conservation carbon project document.

Module 5: Carbon Standards, Validation, Verification, and Certification

- Overview of leading carbon standards and registries
- Carbon project validation and verification processes
- Third-party audit requirements
- Carbon credit issuance procedures
- Ensuring credibility and avoiding greenwashing risks
- **Case Study:** Verification process analysis of an internationally certified renewable energy carbon project.

Module 6: Nature-Based Carbon Projects and Carbon Removal Solutions

- Forest carbon projects and REDD+ initiatives
- Afforestation and reforestation carbon programs
- Blue carbon ecosystem opportunities
- Soil carbon and regenerative agriculture projects
- Emerging carbon removal technologies
- **Case Study:** Evaluation of a mangrove restoration blue carbon project.

Module 7: Carbon Credit Finance, Trading, and Market Strategies

- Carbon credit valuation and pricing mechanisms
- Carbon project financing models
- Corporate carbon procurement strategies
- Carbon credit trading platforms and marketplaces
- Revenue generation from climate projects
- **Case Study:** Business model analysis of a carbon credit investment portfolio.

Module 8: Advanced Carbon Project Development, Digital MRV, and Future Trends

- Digital MRV (Measurement, Reporting, Verification) technologies
- Blockchain applications in carbon markets
- AI-driven carbon monitoring solutions
- Carbon removal innovations and future opportunities
- Developing strategies for scalable climate projects
- **Case Study:** Application of satellite monitoring and digital MRV in large-scale carbon projects.

Training Methodology

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

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