Carbon Footprint Assessment Training Course

Professional Development Training Course Outline

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

Course Introduction

Carbon Footprint Assessment Training Course is designed to build expertise in greenhouse gas (GHG) accounting, carbon emissions measurement, climate action strategies, and sustainability management. With organizations worldwide accelerating their transition toward Net Zero, Carbon Neutrality, ESG (Environmental, Social, and Governance) compliance, and climate-resilient business models, the ability to accurately assess and reduce carbon footprints has become a critical skill. This course equips participants with practical knowledge of carbon footprint methodologies, Scope 1, Scope 2, and Scope 3 emissions assessment, life cycle assessment (LCA), carbon data management, emission factors, and sustainability reporting frameworks aligned with global standards.

The training provides a practical roadmap for professionals to conduct organizational carbon footprint assessments, product carbon footprint evaluations, supply chain emissions analysis, and decarbonization planning. Through real-world case studies, industry examples, digital tools, and hands-on exercises, participants develop the capability to support climate strategy development, ESG reporting, corporate sustainability transformation, and science-based emissions reduction initiatives. The course prepares learners to become skilled carbon accounting professionals, sustainability consultants, climate risk specialists, and Net Zero implementation leaders.

Programme Curriculum

Carbon Footprint Assessment Training Course

Introduction

Carbon Footprint Assessment Training Course is designed to build expertise in greenhouse gas (GHG) accounting, carbon emissions measurement, climate action strategies, and sustainability management. With organizations worldwide accelerating their transition toward Net Zero, Carbon Neutrality, ESG (Environmental, Social, and Governance) compliance, and climate-resilient business models, the ability to accurately assess

and reduce carbon footprints has become a critical skill. This course equips participants with practical knowledge of carbon footprint methodologies, Scope 1, Scope 2, and Scope 3 emissions assessment, life cycle assessment (LCA), carbon data management, emission factors, and sustainability reporting frameworks aligned with global standards.

The training provides a practical roadmap for professionals to conduct organizational carbon footprint assessments, product carbon footprint evaluations, supply chain emissions analysis, and decarbonization planning. Through real-world case studies, industry examples, digital tools, and hands-on exercises, participants develop the capability to support climate strategy development, ESG reporting, corporate sustainability transformation, and science-based emissions reduction initiatives. The course prepares learners to become skilled carbon accounting professionals, sustainability consultants, climate risk specialists, and Net Zero implementation leaders.

Course Duration

5 days

Course Objectives

1. Understand the fundamentals of carbon footprint assessment and climate change mitigation strategies.
2. Develop expertise in GHG Protocol standards and carbon accounting methodologies.
3. Learn to calculate Scope 1, Scope 2, and Scope 3 greenhouse gas emissions.
4. Apply ISO 14064 standards and international carbon reporting frameworks.
5. Build skills in carbon data collection, verification, and emissions inventory management.
6. Master techniques for organizational and product carbon footprint assessments.
7. Analyze value chain emissions and supply chain decarbonization opportunities.
8. Develop effective Net Zero transition plans and carbon reduction strategies.
9. Understand the role of ESG reporting, sustainability disclosures, and climate governance.
10. Use digital tools for carbon measurement, monitoring, and sustainability analytics.
11. Evaluate renewable energy, energy efficiency, and low-carbon solutions.
12. Prepare professional carbon footprint assessment reports and climate action roadmaps.
13. Develop leadership capabilities for corporate sustainability and climate transformation initiatives.

Target Audience

1. Sustainability managers and ESG professionals
2. Environmental consultants and climate advisors
3. Carbon accounting and GHG inventory specialists
4. Energy managers and environmental engineers
5. Corporate sustainability and CSR teams
6. Supply chain and procurement professionals
7. Government officials and policy professionals
8. Students and professionals pursuing careers in climate change and sustainability

Course Modules

Module 1: Fundamentals of Carbon Footprint Assessment

- Introduction to carbon footprint concepts and climate science
- Global warming potential (GWP) and greenhouse gases
- Carbon emissions sources and impact assessment

- Carbon neutrality and Net Zero concepts
- Overview of global climate initiatives and regulations
- **Case Study:** Assessment of a multinational company's carbon emissions baseline to identify major emission sources and reduction opportunities.

Module 2: Greenhouse Gas Accounting and GHG Protocol

- Principles of greenhouse gas accounting
- GHG Protocol Corporate Standard framework
- Organizational boundaries and operational controls
- Scope 1, Scope 2, and Scope 3 emissions calculation
- Carbon reporting requirements and best practices
- **Case Study:** GHG inventory development for a manufacturing organization using Scope-based emission classification.

Module 3: Carbon Footprint Calculation Methodologies

- Carbon calculation approaches and methodologies
- Activity data collection and emission factors
- Conversion calculations and carbon metrics
- Uncertainty analysis and data quality management
- Carbon footprint verification processes
- **Case Study:** Calculation of annual carbon footprint for a commercial building using energy consumption and operational data.

Module 4: Scope 3 Emissions and Supply Chain Carbon Management

- Understanding value chain emissions
- Scope 3 category assessment
- Supplier carbon data management
- Sustainable procurement strategies
- Supply chain decarbonization approaches
- **Case Study:** Reducing supply chain emissions for a global retail company through supplier engagement and low-carbon sourcing.

Module 5: Product Carbon Footprint and Life Cycle Assessment (LCA)

- Product carbon footprint principles
- Life Cycle Assessment methodology
- Cradle-to-grave and cradle-to-gate analysis
- Environmental Product Declarations (EPDs)
- Sustainable product design strategies
- **Case Study:** Life cycle carbon assessment of a consumer product to identify manufacturing and logistics emission hotspots.

Module 6: Net Zero Strategy and Carbon Reduction Planning

- Net Zero pathways and climate commitments
- Science-Based Targets (SBTi) principles
- Carbon reduction hierarchy
- Renewable energy transition strategies

- Carbon offsetting and carbon removal solutions
- **Case Study:** Development of a Net Zero roadmap for an organization targeting a 50% emissions reduction by 2030.

Module 7: ESG Reporting, Carbon Disclosure, and Climate Governance

- ESG reporting frameworks and requirements
- Climate-related financial disclosures
- Sustainability reporting standards
- Carbon transparency and stakeholder communication
- Climate risk assessment and governance
- **Case Study:** Preparation of an ESG carbon disclosure report aligned with international sustainability reporting expectations.

Module 8: Digital Carbon Management and Future Sustainability Trends

- Digital carbon accounting platforms
- AI and data analytics for emissions monitoring
- Carbon dashboards and reporting automation
- Climate technology innovations
- Future trends in sustainable business transformation
- **Case Study:** Implementation of a digital carbon tracking system for real-time emissions monitoring across business operations.

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- 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:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com