Green Building Policy & Standards Training Course

Professional Development Training Course Outline

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

Course Introduction

Green Building Policy & Standards represent a transformative framework for advancing sustainable construction, energy efficiency, carbon neutrality, and climate-resilient infrastructure in the built environment. Green Building Policy & Standards Training Courseis designed to equip professionals with in-depth knowledge of LEED certification, EDGE standards, BREEAM frameworks, net-zero buildings, green codes, and environmental compliance regulations. As global demand for eco-friendly construction, ESG compliance, and low-carbon urban development continues to rise, understanding green building policies is critical for architects, engineers, planners, and sustainability consultants.

The course provides a comprehensive exploration of green architecture principles, energy-efficient design strategies, renewable energy integration, water conservation systems, waste reduction models, and sustainable materials selection. Participants will gain practical skills in interpreting international green building standards, implementing policy frameworks, and applying innovative technologies such as smart buildings, IoT energy monitoring, and carbon footprint assessment tools to real-world projects. The program aligns with global sustainability goals including UN SDGs, climate action strategies, and circular economy principles.

Programme Curriculum

Green Building Policy & Standards Training Course

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Course Duration

5 days

Course Objectives

1. Understand Green Building Certification Systems (LEED, EDGE, BREEAM)
2. Apply Net Zero Energy Building (NZEB) design principles
3. Analyze Carbon Footprint Reduction strategies in construction
4. Implement Energy Efficiency & Demand Optimization techniques
5. Evaluate Sustainable Urban Development frameworks
6. Integrate Renewable Energy Systems in building design
7. Apply Water Conservation & Rainwater Harvesting standards
8. Master Eco-friendly Construction Materials selection
9. Understand Environmental Impact Assessment (EIA) processes
10. Develop Climate Resilient Infrastructure solutions
11. Interpret Green Building Policy & Regulatory Compliance
12. Use Smart Building Technologies & IoT monitoring systems
13. Promote ESG & Sustainable Development Goals (SDGs) alignment

Target Audience

1. Architects & Urban Designers
2. Civil & Structural Engineers
3. Sustainability & ESG Consultants
4. Real Estate Developers
5. Government Urban Planning Officials
6. Construction Project Managers
7. Environmental Engineers
8. Facility & Energy Managers

Training Modules

Module 1: Introduction to Green Building Concepts

- Principles of sustainable construction
- Environmental impact of traditional buildings
- Green building rating systems overview
- Global sustainability frameworks (UN SDGs)
- Climate change and built environment link

- **Case Study:** LEED-certified commercial building reducing energy consumption by 35%

Module 2: Green Building Certification Systems

- LEED rating categories
- EDGE certification framework
- BREEAM assessment criteria
- Regional green codes and standards
- Certification process workflow
- **Case Study:** EDGE-certified residential project achieving 40% water savings

Module 3: Energy Efficiency & Net Zero Design

- Passive solar design strategies
- Building insulation optimization
- HVAC energy efficiency systems
- Net Zero Energy Building concepts
- Energy benchmarking tools
- **Case Study:** Net-zero office building powered by solar integration

Module 4: Sustainable Materials & Construction

- Low-carbon construction materials
- Recycled and renewable materials usage
- Life cycle assessment (LCA)
- Green procurement policies
- Waste minimization in construction
- **Case Study:** High-rise project using 60% recycled steel and concrete alternatives

Module 5: Water Conservation Systems

- Rainwater harvesting systems
- Greywater recycling technologies
- Water-efficient fixtures
- Smart irrigation systems
- Water footprint analysis
- **Case Study:** Smart residential complex reducing water usage by 50%

Module 6: Renewable Energy Integration

- Solar PV system integration
- Wind energy applications in buildings
- Hybrid energy systems
- Energy storage solutions
- Grid connectivity and net metering
- **Case Study:** University campus powered by hybrid solar-wind system

Module 7: Smart Buildings & IoT Systems

- Building automation systems (BAS)
- Smart energy monitoring sensors
- AI-driven energy optimization

- Predictive maintenance systems
- Smart lighting and HVAC control
- **Case Study:** Smart commercial tower reducing operational energy by 30%

Module 8: Green Building Policy & Compliance

- International green building regulations
- National building codes & policies
- Environmental compliance frameworks
- ESG reporting requirements
- Policy implementation strategies
- **Case Study:** Government-led green city development with strict sustainability codes

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:

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