



*Training Course:
Urban Planning and Design*

*17 - 21 November 2025
Barcelona (Spain)
Grupotel Gran Via 678*

Training Course: Urban Planning and Design

Training Course code: SC236216 From: 17 - 21 November 2025 Venue: Barcelona (Spain) - Grupotel Gran Via 678
Training Course Fees: 6000 € Euro

Introduction:

Urban environments are rapidly evolving due to population growth, climate change, and the need for sustainable infrastructure. The "Urban Planning and Design" training program by [Global Horizon Training Center](#) equips professionals with essential principles, strategies, and tools to plan and design livable, resilient, and efficient urban spaces.

This program blends theory with real-world applications, focusing on strategic urban planning, land use, transportation, public space design, sustainability, and community engagement. It also addresses the integration of smart technologies and policy considerations in the urban planning process.

Objectives:

By the end of this program, participants will be able to:

- Understand the fundamentals and goals of urban planning and design.
- Analyze the components of urban form, land use, and zoning regulations.
- Apply design principles for creating functional, inclusive, and sustainable urban spaces.
- Integrate transportation systems and infrastructure into city planning.
- Use participatory planning approaches to involve communities and stakeholders.

Target Audience:

- Urban and regional planners
- Civil and architectural engineers
- City development authorities
- Municipal and infrastructure officials
- Environmental and sustainability consultants
- Academics and researchers in urban studies

Training Methodology:

- Expert-led presentations and guided discussions
- Case studies and real-world project reviews
- Group exercises and design simulations
- Use of urban planning models and tools
- Interactive feedback and strategy workshops

Organizational Impact:

- Development of future-ready urban plans and policies
- Improved integration between infrastructure, housing, and public services
- Enhanced cross-sector collaboration for sustainable city development
- Support for smart city initiatives and data-driven planning

Outlines:

Day 1:

Foundations of Urban Planning

- History and evolution of urban planning
- Key theories and planning models e.g., Garden City, Smart Growth
- Planning processes, policy frameworks, and regulatory systems
- Introduction to land use planning and zoning codes
- Urban governance and institutional roles

Day 2:

Urban Design Principles and Spatial Planning

- Components of urban design: streetscapes, open spaces, built form
- Principles of walkability, connectivity, and public realm design
- Designing inclusive and accessible urban spaces
- Tools for spatial planning and visual representation

- Urban design codes and development guidelines

Day 3:

Infrastructure and Mobility Integration

- Urban transportation planning: roads, transit, cycling, pedestrian networks
- Parking, traffic flow, and smart mobility solutions
- Integration of infrastructure water, energy, waste in urban design
- Transit-oriented development TOD and mixed-use concepts
- Sustainability in infrastructure design

Day 4:

Sustainable Urban Development and Resilience

- Climate-responsive planning and green infrastructure
- Urban heat island mitigation and environmental planning
- Disaster risk reduction and resilient city frameworks
- Low-carbon and zero-emission urban strategies
- Tools and metrics for evaluating urban sustainability

Day 5:

Community Engagement and Strategic Planning

- Stakeholder analysis and participatory planning approaches
- Community-driven design methods and tools
- Urban regeneration and revitalization strategies
- Project planning, phasing, and funding mechanisms
- Final workshop: Urban planning strategy presentation and group feedback

Registration form on the Training Course: Urban Planning and Design

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