



*Training Course:
Fundamentals of Transportation*

*28 July - 1 August 2025
Barcelona (Spain)
Grupotel Gran Via 678*

Training Course: Fundamentals of Transportation

Training Course code: SC235995 From: 28 July - 1 August 2025 Venue: Barcelona (Spain) - Grupotel Gran Via 678
Training Course Fees: 6000 € Euro

Introduction

Transportation is a foundational element of economic growth, global trade, and supply chain efficiency. As markets become increasingly interconnected, the transportation industry serves as the critical link between production and consumption across continents, countries, and cities. Understanding the fundamentals of transportation is essential for professionals working across logistics, operations, government, and infrastructure development.

The "Fundamentals of Transportation" training program, developed by Global Horizon Training Center, provides participants with a comprehensive understanding of key transportation modes, systems, policies, and challenges. The course introduces participants to the principles, structures, and strategies that support efficient and sustainable movement of goods and people. It also equips professionals with practical knowledge on multimodal transport, network design, freight and passenger transport systems, safety, and environmental concerns.

Course Objectives

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

- Understand the key components and functions of transportation systems.
- Identify and describe various modes of transport and their applications.
- Analyze the role of transportation in logistics, supply chains, and economic development.
- Understand regulatory, safety, and environmental factors affecting transportation.
- Apply basic tools for planning and managing transportation operations.
- Examine future trends and challenges in the global transportation sector.

Course Methodology

This course applies a blended learning approach that includes:

- Instructor-led presentations with real-world examples
- Case studies analyzing global transportation networks
- Visual aids, system maps, and simulation tools
- Group discussions and collaborative exercises
- Practical scenario-based assignments and problem-solving

- Interactive workshops for planning and assessment

Organizational Impact

Organizations that invest in transportation knowledge benefit through:

- Enhanced efficiency and cost control in logistics and distribution.
- Improved decision-making in transportation planning and procurement.
- Stronger compliance with regulatory and safety standards.
- Greater ability to identify risk and opportunities in transport operations.
- Development of cross-functional expertise in supply chain and operations.
- Promotion of sustainability and innovation in transport strategies.

Target Audience

This course is ideal for:

- Transportation and Logistics Coordinators
- Supply Chain and Operations Professionals
- Public Sector Officials in Infrastructure and Transport Planning
- Entry-level and mid-career professionals in freight and passenger services
- Engineers and Planners involved in mobility and logistics design
- Anyone seeking foundational knowledge of the transportation sector

Outlines

Day 1: Introduction to Transportation Systems

- Definition and Importance of Transportation
- Historical Development and Global Context
- Transportation as Part of the Supply Chain
- Modes of Transportation: Road, Rail, Air, Sea, and Pipeline
- Intermodal and Multimodal Transport

Day 2: Transportation Infrastructure and Networks

- Components of Transportation Infrastructure
- Freight vs. Passenger Transportation Systems
- Network Design and Route Optimization Basics
- Urban vs. Rural Transport Systems
- Key Stakeholders: Public and Private Sector Roles

Day 3: Transport Operations and Management

- Basics of Fleet Management and Scheduling
- Freight Handling and Distribution Systems
- Transport Costing and Budget Considerations
- Warehousing and Linkages to Transportation
- Technology in Transport: GPS, Tracking, TMS Transportation Management Systems

Day 4: Regulatory, Safety, and Environmental Aspects

- Legal and Regulatory Frameworks in Transportation
- International and Domestic Transport Laws
- Safety Standards and Risk Management
- Emissions, Congestion, and Environmental Impact
- Policies for Sustainable and Green Transportation

Day 5: Trends, Challenges, and Future Outlook

- E-commerce and Transportation Demands
- Automation, AI, and Smart Transport Systems
- Infrastructure Resilience and Climate Adaptation
- Transportation in Urban Planning and Smart Cities
- Workshop: Designing a Basic Transportation Plan for a Sample Scenario

Registration form on the Training Course: Fundamentals of Transportation

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

Delegate Information

Full Name (Mr / Ms / Dr / Eng):
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Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng):
Position:
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Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
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