Airport Logistics Operations Training Course

Professional Development Training Course Outline

Category	Aviation and Airport Management	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Airport logistics operations represent a critical component of modern aviation systems, ensuring the seamless movement of passengers' baggage, cargo, equipment, and essential supplies through highly coordinated airport networks. Airport Logistics Operations Training Course is designed to develop advanced competencies in airport supply chain management, air cargo operations, baggage handling systems, ground support coordination, warehouse management, logistics technology, and operational efficiency improvement. Participants will gain practical knowledge of international aviation logistics standards, smart airport solutions, digital transformation, and sustainable logistics practices that enhance airport competitiveness.

The course focuses on developing strategic and operational expertise required to manage complex airport logistics environments. Through global best practices, industry case studies, and practical applications, participants will explore airport logistics planning, cargo optimization, inventory control, safety compliance, and performance management. The training equips aviation professionals with the skills needed to improve service quality, reduce operational delays, strengthen resilience, and achieve excellence in airport logistics operations.

Programme Curriculum

Airport Logistics Operations Training Course

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Course Objectives

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

1. Understand modern airport logistics management principles and aviation supply chain strategies.
2. Apply global best practices in airport cargo and baggage logistics operations.
3. Develop efficient airport logistics planning and resource optimization strategies.
4. Improve warehouse management and inventory control processes.
5. Enhance air cargo handling efficiency through digital technologies.
6. Implement airport logistics safety, security, and compliance frameworks.
7. Analyze logistics performance using key performance indicators and analytics.
8. Manage ground handling operations and stakeholder coordination effectively.
9. Utilize automation, artificial intelligence, and smart airport technologies.
10. Improve airport operational resilience and business continuity planning.
11. Apply sustainable aviation logistics and green airport practices.
12. Strengthen leadership and decision-making capabilities in airport logistics environments.
13. Develop innovative solutions for future airport logistics challenges.

Organizational Benefits

- Improved airport logistics efficiency and operational productivity.
- Enhanced cargo and baggage handling performance.
- Reduced operational delays and logistics-related costs.
- Better compliance with international aviation standards.
- Improved supply chain visibility and control.
- Stronger coordination between airport stakeholders.
- Increased adoption of digital logistics technologies.
- Enhanced safety and security management.
- Improved customer satisfaction through reliable services.
- Development of skilled airport logistics professionals.

Target Audiences

1. Airport Operations Managers
2. Airport Logistics and Supply Chain Professionals
3. Air Cargo Managers and Supervisors
4. Ground Handling Service Providers

5. Airport Warehouse and Inventory Teams
6. Aviation Security and Compliance Officers
7. Airline Operations Managers
8. Aviation Consultants and Airport Development Specialists

Course Duration: 5 days

Course Modules

Module 1: Fundamentals of Airport Logistics Operations

- Overview of airport logistics systems and operational frameworks.
- Understanding airport supply chain networks and logistics flows.
- Roles of stakeholders in airport logistics management.
- Airport logistics challenges and operational improvement strategies.
- Global case study: Singapore Changi Airport logistics efficiency model.
- Application of international airport logistics best practices.

Module 2: Airport Cargo Operations Management

- Principles of air cargo handling and management processes.
- Cargo terminal operations, documentation, and regulatory requirements.
- Temperature-controlled logistics and special cargo management.
- Cargo security procedures and risk mitigation strategies.
- Global case study: Dubai International Airport cargo operations.
- Techniques for improving cargo throughput and service quality.

Module 3: Baggage Handling and Passenger Logistics

- Modern baggage handling systems and automation technologies.
- Baggage tracking, sorting, and transfer management.
- Managing baggage delays and operational disruptions.
- Integration of technology into baggage logistics operations.
- Global case study: Heathrow Airport baggage management system.
- Strategies for improving passenger experience through logistics.

Module 4: Airport Warehouse and Inventory Management

- Airport warehouse operations and storage optimization.
- Inventory control systems and material handling processes.
- Managing airport spare parts and operational supplies.
- Warehouse safety and efficiency improvement methods.
- Global case study: Amsterdam Schiphol Airport logistics operations.

- Implementation of warehouse digitalization solutions.

Module 5: Ground Handling and Logistics Coordination

- Ground handling operations and service delivery management.
- Coordination between airlines, airports, and logistics providers.
- Aircraft turnaround logistics planning and optimization.
- Equipment management and resource allocation.
- Global case study: Hong Kong International Airport ground operations.
- Improving collaboration through integrated logistics systems.

Module 6: Digital Transformation in Airport Logistics

- Artificial intelligence and automation in airport logistics.
- Internet of Things applications for logistics monitoring.
- Data analytics for operational decision-making.
- Smart airport technologies and digital platforms.
- Global case study: Helsinki Airport digital logistics initiatives.
- Future trends shaping airport logistics innovation.

Module 7: Airport Logistics Safety, Security, and Sustainability

- Aviation safety standards in logistics operations.
- Cargo security management and regulatory compliance.
- Sustainable logistics practices and carbon reduction strategies.
- Environmental management in airport supply chains.
- Global case study: Oslo Airport green logistics initiatives.
- Developing resilient and sustainable airport logistics systems.

Module 8: Airport Logistics Performance Excellence

- Measuring logistics performance using operational KPIs.
- Continuous improvement and process optimization techniques.
- Managing logistics risks and operational disruptions.
- Leadership strategies for airport logistics excellence.
- Global case study: Los Angeles International Airport logistics transformation.
- Developing future-ready airport logistics improvement plans.

Training Methodology

- Instructor-led interactive presentations focusing on airport logistics concepts.

- Practical workshops on logistics planning and operational improvement.
- Real-world global airport case study analysis.
- Group discussions and aviation problem-solving exercises.
- Simulation-based learning for logistics decision-making.
- Role plays involving airport logistics coordination scenarios.
- Practical demonstrations of digital logistics technologies.
- Knowledge assessments and operational improvement exercises.

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

Start Date	End Date	Location	Price
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