LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

# Certificate in Aviation Security and Safety

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**LAPT — London Academy of Professional Training**

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**Reference** AVI-C05 • Aviation Centres


UKPRN 10067351 • Registered in England and Wales, company 4984798

| 4 | 178 | 1024 | 400 | 60% | Lifetime |
|---|---|---|---|---|---|
| SUBJECTS | CHAPTERS | CLASSES | TOTAL MARKS | PASS MARK | VALIDITY |

## AT A GLANCE

| | |
|---|---|
| REFERENCE | **AVI-C05** |
| AWARD | **Certificate** |
| ASSESSMENT | **400 marks — 240 to pass (60%)** |
| PREREQUISITES | **None** |
| VALIDITY | **Lifetime** |
| AWARDING BODY | **LAPT — London Academy of Professional Training** |

## CURRICULUM

1 **Aviation Safety, Health and Emergency Procedures** 30 chapters · 154 classes **100 marks**

- **1 Understanding Airport Security Protocols** — 5 classes
  - 1.1 Exploring the Purpose of Airport Security Measures
  - 1.2 Identifying Key Security Checkpoints and Procedures
  - 1.3 Recognizing Banned Items and Prohibited Behaviors
  - 1.4 Understanding the Role of Security Personnel
  - 1.5 Responding to Security Alerts and Emergencies
- **2 Passenger Safety Procedures and Roles** — 5 classes
  - 2.1 Understanding Passenger Safety Responsibilities
  - 2.2 Identifying and Assessing Safety Risks
  - 2.3 Implementing Passenger Screening Procedures
  - 2.4 Coordinating Emergency Response Protocols
  - 2.5 Evaluating Passenger Safety Protocols
- **3 Advanced Screening Techniques and Technologies** — 5 classes
  - 3.1 Understanding Advanced Screening Technologies
  - 3.2 Analyzing Security Protocols for Passenger Screening
  - 3.3 Implementing X-Ray and Body Scanner Techniques
  - 3.4 Evaluating Threat Detection Algorithms
  - 3.5 Enhancing Screening Efficiency and Accuracy
- **4 Crisis Management and Emergency Response** — 5 classes
  - 4.1 Understanding Crisis Management Frameworks
  - 4.2 Identifying Types of Airport Emergencies
  - 4.3 Implementing Initial Response Procedures
  - 4.4 Coordinating with Emergency Services
  - 4.5 Evaluating Emergency Response Effectiveness
- **5 Travel Documents, Visas and Entry Requirements** — 5 classes
  - 5.1 Types of Passports and Travel Documents
  - 5.2 Understanding Visas and Entry Permits
  - 5.3 Checking Travel Documents at Check-in
  - 5.4 Health Requirements and Transit Rules
  - 5.5 Handling Document Problems and Denied Entry
- **6 Dangerous Goods Awareness for Passenger Handling** — 5 classes
  - 6.1 Why Dangerous Goods Matter to Passengers
  - 6.2 Permitted and Prohibited Items in Baggage
  - 6.3 Lithium Batteries and Electronic Devices
  - 6.4 Questioning Passengers and Checking Declarations
  - 6.5 Handling Found Dangerous Goods at the Airport
- **1 Understanding Health and Safety Regulations in Aviation** — 6 classes
  - 1.1 Exploring Aviation Health and Safety Regulations
  - 1.2 Identifying Key Focus Areas in Aviation Safety
  - 1.3 Understanding Risk Assessment in Aviation Contexts
  - 1.4 Applying Safety Protocols for Lounge Environments
  - 1.5 Implementing Personal Protective Equipment in Aviation Settings
  - 1.6 Evaluating Compliance with Aviation Safety Standards
- **2 Risk Assessment and Hazard Identification** — 6 classes
  - 2.1 Understanding Risk: Identifying Potential Hazards in Lounge Environments
  - 2.2 Analyzing Consequences: Assessing Risks Associated with Identified Hazards
  - 2.3 Control Measures: Implementing Strategies to Mitigate Risks
  - 2.4 Conducting a Risk Assessment: Step-by-Step Guide for Lounge Safety
  - 2.5 Monitoring Environment: Reviewing and Updating Health and Safety Protocols
  - 2.6 Real-World Application: Practicing Hazard Identification and Risk Management
- **3 Implementing Safety Protocols for Passenger Well-being** — 6 classes
  - 3.1 Understanding Passenger Safety Needs
  - 3.2 Identifying Common Safety Risks in Lounges
  - 3.3 Implementing Effective Safety Protocols
  - 3.4 Training Staff in Emergency Procedures
  - 3.5 Utilizing Equipment for Enhanced Safety
  - 3.6 Evaluating and Improving Safety Strategies
- **4 Hygiene and Sanitation Practices in Lounge Services** — 6 classes
  - 4.1 Understanding Hygiene Standards in Lounges
- **5 Promoting a Safe Travel Environment** — 6 classes
  - 5.1 Creating a Safety Culture
  - 5.2 Involving Stakeholders in Safety
  - 5.3 Public Awareness Campaigns
  - 5.4 Monitoring Safety Environment
  - 5.5 Feedback from Passengers on Safety
  - 5.6 Innovations in Travel Safety
- **Introduction to Safety and Emergency Procedures** — 4 classes
  - Overview of Safety in Aviation
  - Importance of Emergency Procedures
  - Regulatory Framework and Compliance
  - Roles and Responsibilities in Emergencies
- **Types of Emergencies** — 4 classes
  - In-Flight Emergencies
  - Ground Emergencies
  - Medical Emergencies
  - Security Threats and Responses
- **Emergency Equipment and Protocols** — 4 classes
  - Fire Extinguishers and Their Use
  - Oxygen Masks and Emergency Exits
  - First Aid Kits and Medical Equipment
  - Life Vests and Raft Deployment
- **Evacuation Procedures** — 4 classes
  - Evacuation Planning and Drills
  - Passenger Briefing Techniques
  - Use of Emergency Exits
  - Handling Passengers During Evacuation
- **Communication During Emergencies** — 4 classes
  - Internal Communication Protocols
  - External Communication with Authorities
  - Use of Emergency Signals
  - Crisis Management and Media Relations
- **Post-Emergency Procedures** — 4 classes
  - Debriefing and Reporting
  - Psychological First Aid for Passengers
  - Restoration of Operations
  - Continuous Improvement and Training Updates
- **Introduction to Aviation Safety** — 5 classes
  - Overview of Aviation Safety
  - Historical Perspectives on Aviation Safety
  - Key Safety Regulations and Standards
  - Safety Management Systems (SMS)
  - Role of Safety Culture in Aviation
- **Aviation Security Fundamentals** — 5 classes
  - Understanding Aviation Security
  - Threats to Aviation Security
  - Security Regulations and Compliance
  - Screening Procedures and Technologies
  - Emergency Response and Crisis Management
- **Compliance in the Aviation Industry** — 5 classes
  - Regulatory Bodies and Their Roles
  - Compliance Frameworks in Aviation
  - Audit and Inspection Processes
  - Reporting and Documentation Requirements
  - Consequences of Non-Compliance
- **Human Factors in Aviation Safety and Security** — 5 classes
  - Understanding Human Factors
  - Human Error and Safety Management
  - Behavioral Aspects of Security
  - Training and Competency Development
  - Fatigue Management in Aviation
- **Emerging Trends in Aviation Safety and Security** — 5 classes
  - Technological Advances in Safety

2 **Aviation Security Fundamentals** 23 chapters · 122 classes **100 marks**

- **1 Understanding Aviation Security Threats and Risks** — 4 classes
  - 1.1 Identifying Common Aviation Security Threats
  - 1.2 Analyzing Risk Factors in Aviation Security
  - 1.3 Understanding Methods for Mitigating Threats
  - 1.4 Applying Risk Assessment Techniques in Aviation
- **2 Security Measures and Protocols in Aviation** — 4 classes
  - 2.1 Understanding Aviation Security Threats and Risks
  - 2.2 Identifying and Managing Access Control Measures
  - 2.3 Implementing Passenger and Baggage Screening Protocols
  - 2.4 Responding to Security Incidents and Emergencies
- **3 Roles and Responsibilities in Aviation Security** — 4 classes
  - 3.1 Explore Key Stakeholders in Aviation Security
  - 3.2 Identify Roles and Responsibilities of Security Personnel
  - 3.3 Understand Legal Frameworks Governing Aviation Security Roles
  - 3.4 Apply Coordinated Response Strategies in Aviation Security
- **1 Understanding Threats in Aviation Security** — 4 classes
  - 1.1 Exploring the Basics of Aviation Security Threats
  - 1.2 Identifying Potential Threats in Aviation Environments
  - 1.3 Analyzing Threat Scenarios and Risk Factors
  - 1.4 Applying Strategies for Threat Assessment and Mitigation
- **2 Techniques for Identifying Potential Threats** — 4 classes
  - 2.1 Understanding the Fundamentals of Threat Identification
  - 2.2 Analyzing Behavioral Indicators of Threats
  - 2.3 Utilizing Environmental Cues for Threat Assessment
  - 2.4 Applying Techniques to Real-World Scenarios
- **3 Assessing and Prioritizing Security Threats** — 4 classes
  - 3.1 Identifying Potential Security Threats
  - 3.2 Analyzing Threat Scenarios
  - 3.3 Evaluating Threat Severity and Likelihood
  - 3.4 Prioritizing Threat Responses
- **1 Identifying Potential Threats in Aviation Scenarios** — 4 classes
  - 1.1 Understanding Aviation Threats
  - 1.2 Analyzing Suspicious Behaviors
  - 1.3 Assessing Unattended Items
  - 1.4 Responding to Security Incidents
- **2 Responding to Security Breaches in Real-Time** — 4 classes
  - 2.1 Identifying Immediate Security Threats
  - 2.2 Assessing the Severity of Security Breaches
  - 2.3 Communicating Effectively During a Security Incident
  - 2.4 Implementing Response Strategies in Real-Time
- **3 Implementing Protective Measures and Follow-up Actions** — 4 classes
  - 3.1 Understanding Protective Measures in Aviation Security
  - 3.2 Identifying Potential Security Threats and Vulnerabilities
  - 3.3 Implementing Effective Protective Measures
  - 3.4 Evaluating and Following Up on Security Breaches
- **1 Principles of Airport Security** — 5 classes
  - 1.1 Understanding the Role of Airport Security
  - 1.2 Identifying Potential Threats and Risks
  - 1.3 Exploring Security Screening Techniques
  - 1.4 Implementing Access Control Measures
  - 1.5 Responding to Security Breaches Effectively
- **2 Threats and Risk Assessment in Airports** — 5 classes
  - 2.1 Understanding the Basics of Airport Threats
  - 2.2 Identifying Potential Threats and Vulnerabilities
  - 2.3 Exploring Risk Assessment Methods in Airports
  - 2.4 Analyzing Case Studies of Airport Security Breaches
  - 2.5 Applying Threat and Risk Assessment Knowledge
- **3 Security Screening and Control Procedures** — 5 classes
  - 3.1 Understanding Security Screening Equipment
  - 3.2 Identifying Prohibited Items and Threats
  - 3.3 Conducting Passenger Screening Procedures
  - 3.4 Implementing Baggage Control Protocols
- **4 Crisis Management and Emergency Response in Airports** — 5 classes
  - 4.1 Understanding the Basics of Airport Crisis Management
  - 4.2 Identifying Potential Emergencies in Airport Environments
  - 4.3 Exploring Emergency Response Protocols and Procedures
  - 4.4 Analyzing Case Studies of Past Airport Emergencies
  - 4.5 Developing a Personal Approach to Airport Crisis Management
- **1 Understanding International and National Aviation Security Frameworks** — 9 classes
  - 1.1 Explore the Evolution of Aviation Security Legislation
  - 1.2 Understand International Aviation Security Conventions
  - 1.3 Analyze National Security Regulations and Policies
  - 1.4 Compare Key International and National Security Measures
  - 1.5 Apply Aviation Security Frameworks to Real-World Scenarios
  - 1.6 Planning Aviation Security Staff Training
  - 1.7 Delivering and Recording Security Training
  - 1.8 Principles of Air Cargo Security
  - 1.9 Screening and Securing Cargo and Mail
- **2 Key Security Policies and their Implementation in Airports** — 7 classes
  - 2.1 Understanding Airport Security Policies Framework
  - 2.2 Identifying Key Regulatory Bodies and Guidelines
  - 2.3 Analyzing Airport Access Control Procedures
  - 2.4 Implementing Baggage and Passenger Screening Standards
  - 2.5 Evaluating Incident Response and Reporting Protocols
  - 2.6 Conducting Airport Security Audits
  - 2.7 Quality Control and Corrective Action Tracking
- **3 The Role of Technology in Enhancing Airport Security** — 5 classes
  - 3.1 Understanding Technology's Role in Airport Security
  - 3.2 Exploring Surveillance Systems in Airports
  - 3.3 Evaluating Biometric Identification Methods
  - 3.4 Analyzing Data Management for Security Efficiency
  - 3.5 Assessing the Impact of Innovation on Threat Detection
- **4 Compliance and Enforcement of Security Regulations** — 5 classes
  - 4.1 Understanding the Basics of Security Regulations
  - 4.2 Identifying Key Compliance Requirements
  - 4.3 Assessing Risk and the Importance of Adherence
  - 4.4 Implementing Security Protocols Effectively
  - 4.5 Evaluating Compliance through Monitoring and Reporting
- **1 Understanding Access Control Systems in Aviation** — 5 classes
  - 1.1 Exploring the Basics of Access Control in Aviation
  - 1.2 Identifying Types of Access Control Systems and Their Components
  - 1.3 Understanding Security Threats and Risk Assessment in Access Control
  - 1.4 Implementing Effective Access Control Measures and Protocols
  - 1.5 Evaluating and Improving Access Control System Effectiveness
- **2 Identification and Authentication Methods** — 5 classes
  - 2.1 Understanding Identification and Authentication
  - 2.2 Exploring Biometric Identification Methods
  - 2.3 Implementing Password and PIN Protocols
  - 2.4 Evaluating Multi-Factor Authentication Techniques
  - 2.5 Applying Access Control in Real-world Scenarios
- **3 Implementation of Access Protocols and Procedures** — 5 classes
  - 3.1 Understanding Access Control Protocols
  - 3.2 Identifying Security Clearances and Zones
  - 3.3 Implementing Entry and Exit Procedures
  - 3.4 Monitoring and Reporting Access Breaches
  - 3.5 Applying Access Protocols in Real Scenarios
- **4 Response and Mitigation of Access Control Breaches** — 5 classes
  - 4.1 Understanding Access Control Breaches: Causes and Risks
  - 4.2 Recognizing Signs of Security Breaches in Real-Time
  - 4.3 Implementing Immediate Response Actions to Access Control Breaches
  - 4.4 Applying Mitigation Strategies to Minimize Breach Impact
  - 4.5 Evaluating and Improving Access Control Protocols Post-Breach
- **22 Patrolling, Aircraft Protection and Vehicle Security** — 10 classes

3

## Security Procedures, Screening and Technologies

20 chapters · 123 classes **100 marks**

- **1 Understanding Aviation Security Regulations** — 10 classes
  - 1.1 Explore the History and Importance of Aviation Security Regulations
  - 1.2 Identify Key Global and Local Aviation Security Regulations
  - 1.3 Understand the Roles and Responsibilities in Aviation Security
  - 1.4 Apply Security Protocols: Practical Scenarios in Aviation
  - 1.5 Basics of Cargo and Mail Security
  - 1.6 Recognising Suspicious Consignments
  - 1.7 Understanding Aviation Security Culture
  - 1.8 Building Everyday Security Habits at Work
  - 1.9 Why Security Incident Reporting Matters
  - 1.10 Reporting Security Incidents Step by Step
- **2 Identifying and Mitigating Security Threats** — 4 classes
  - 2.1 Understanding Common Security Threats in Aviation
  - 2.2 Recognizing Signs of Potential Security Risks
  - 2.3 Exploring Strategies for Threat Mitigation
  - 2.4 Applying Security Protocols in Real-World Scenarios
- **3 Implementation of Security Screening Protocols** — 4 classes
  - 3.1 Understanding the Objectives of Security Screening
  - 3.2 Identifying and Categorizing Prohibited Items
  - 3.3 Mastering the Use of Screening Equipment
  - 3.4 Applying Screening Protocols in Real-World Scenarios
- **1 Evolution and Importance of Security Technologies in Airports** — 5 classes
  - 1.1 Understanding the Foundations of Airport Security Technologies
  - 1.2 Exploring Key Innovations in Airport Security Systems
  - 1.3 Analyzing the Impact of Technological Advancements on Airport Security
  - 1.4 Evaluating the Role of Security Technologies in Risk Mitigation
  - 1.5 Applying Emerging Security Technologies in Real-World Airport Scenarios
- **2 Current Surveillance and Screening Technologies** — 5 classes
  - 2.1 Understanding Airport Surveillance Systems
  - 2.2 Exploring Advanced Imaging Technology for Screening
  - 2.3 Analyzing Biometric Technologies in Security Operations
  - 2.4 Evaluating Automated Threat Detection Methods
  - 2.5 Applying Technology Integration to Enhance Security
- **3 Biometric and Identity Verification Innovations** — 5 classes
  - 3.1 Understanding Biometrics: Basic Principles and Applications
  - 3.2 Exploring Identity Verification: Systems and Protocols
  - 3.3 Analyzing Current Biometric Technologies in Airports
  - 3.4 Evaluating the Security Benefits of Biometric Innovations
  - 3.5 Implementing Biometric Solutions: Challenges and Considerations
- **4 Challenges and Future Prospects of Airport Security Technologies** — 5 classes
  - 4.1 Understanding Current Challenges in Airport Security
  - 4.2 Evaluating Technological Limitations: Gaps in Airport Security
  - 4.3 Analyzing Emerging Technologies in Security Operations
  - 4.4 Forecasting Innovations: The Future of Airport Security
  - 4.5 Strategizing for Enhanced Security: Integrating Future Technologies
- **5 Detecting Dangerous Goods at Security Screening** — 5 classes
  - 5.1 Dangerous Goods Risks at Security Screening
  - 5.2 Prohibited and Restricted Items Explained
  - 5.3 Reading X-ray Images for Dangerous Goods
  - 5.4 Using Detection Equipment and Alarm Resolution
  - 5.5 Procedures for Handling Detected Dangerous Goods
- **1 Regulatory Standards Overview** — 6 classes
  - 1.1 Understanding Aviation Regulations
  - 1.2 International Security Standards
  - 1.3 Compliance Requirements for Airports
  - 1.4 Role of Government Agencies
  - 1.5 Impact of Regulations on Operations
  - 1.6 Updates in Aviation Law
- **2 Best Practices in Airport Security** — 6 classes
  - 2.1 Risk Assessment Techniques
  - 2.2 Access Control Measures
  - 2.3 Employee Training Programs
- **3 Comprehensive Security Procedures** — 6 classes
  - 3.1 Developing Security Protocols
  - 3.2 Incident Response Plans
  - 3.3 Monitoring and Surveillance Techniques
  - 3.4 Emergency Evacuation Procedures
  - 3.5 Coordination with Law Enforcement
  - 3.6 Documentation and Record Keeping
- **4 Incident Reporting Mechanisms** — 6 classes
  - 4.1 Types of Security Incidents
  - 4.2 Reporting Protocols and Procedures
  - 4.3 Data Collection Methods
  - 4.4 Analyzing Incident Reports
  - 4.5 Feedback and Improvement Processes
  - 4.6 Legal Implications of Reporting
- **5 Continuous Compliance Monitoring** — 6 classes
  - 5.1 Establishing Monitoring Systems
  - 5.2 Auditing Security Procedures
  - 5.3 Performance Metrics for Compliance
  - 5.4 Identifying Compliance Gaps
  - 5.5 Reporting Compliance Findings
  - 5.6 Continuous Improvement Strategies
- **1 Evaluating Security Technologies** — 6 classes
  - 1.1 Understanding Security Technology Types
  - 1.2 Assessing Technology Effectiveness
  - 1.3 Comparative Analysis of Systems
  - 1.4 Cost-Benefit Analysis Techniques
  - 1.5 Future Trends in Security Tech
  - 1.6 User Experience in Security Systems
- **2 Identifying Improvement Areas** — 6 classes
  - 2.1 Conducting Security Audits
  - 2.2 Gathering Stakeholder Feedback
  - 2.3 Analyzing Incident Reports
  - 2.4 Benchmarking Against Best Practices
  - 2.5 Identifying Vulnerabilities in Systems
  - 2.6 Setting Improvement Objectives
- **3 Implementing Equipment Changes** — 6 classes
  - 3.1 Planning Equipment Upgrades
  - 3.2 Managing Change Processes
  - 3.3 Training Staff on New Equipment
  - 3.4 Communicating Changes Effectively
  - 3.5 Monitoring Implementation Progress
  - 3.6 Evaluating Change Impact
- **4 Testing Security Systems** — 6 classes
  - 4.1 Developing Test Plans
  - 4.2 Conducting System Tests
  - 4.3 Analyzing Test Results
  - 4.4 Identifying System Failures
  - 4.5 Implementing Corrective Actions
  - 4.6 Documenting Test Procedures
- **5 Reporting Findings and Recommendations** — 6 classes
  - 5.1 Structuring Security Reports
  - 5.2 Presenting Findings Clearly
  - 5.3 Making Actionable Recommendations
  - 5.4 Engaging Stakeholders in Reports
  - 5.5 Using Visual Aids in Reporting
  - 5.6 Follow-Up on Recommendations
- **19 Passenger Preparation and Checkpoint Operation** — 10 classes
  - 19.1 Layout and Flow of a Screening Checkpoint
  - 19.2 Explaining Screening Steps to Passengers
  - 19.3 Prohibited Items and Liquids Rules
  - 19.4 Preparing Trays, Laptops and Outer Clothing
  - 19.5 Walk-through Metal Detector Operation
  - 19.6 Hand-held Detector and Pat-down Procedure
  - 19.7 Assisting Passengers with Special Needs
  - 19.8 Respecting Dignity, Religion and Privacy

4

## Safety Management Systems, Risk and Incident Investigation

105 chapters · 625 classes **100 marks**

- **1 Understanding Risk in Air Cargo Operations** — 6 classes
  - 1.1 Identifying Key Risks in Air Cargo Operations
  - 1.2 Analyzing Risk Sources and Their Impacts
  - 1.3 Understanding Regulatory Frameworks for Risk Management
  - 1.4 Evaluating Risk Assessment Tools and Techniques
  - 1.5 Mitigating Risks through Strategic Planning
  - 1.6 Applying Risk Management Strategies in Real-world Scenarios
- **2 Regulatory Framework and Compliance in Air Cargo Risk Management** — 6 classes
  - 2.1 Understanding International Air Cargo Regulations
  - 2.2 Exploring Key Regulatory Bodies in Air Cargo Logistics
  - 2.3 Analyzing Compliance Requirements for Air Cargo
  - 2.4 Identifying Risks in Non-Compliance with Air Cargo Regulations
  - 2.5 Applying Best Practices for Regulatory Compliance
  - 2.6 Evaluating Case Studies on Regulatory Failures in Air Cargo
- **3 Risk Assessment and Analysis Techniques for Cargo Logistics** — 6 classes
  - 3.1 Understanding Risk in Cargo Logistics
  - 3.2 Identifying Potential Hazards in Supply Chains
  - 3.3 Applying Risk Assessment Frameworks
  - 3.4 Analyzing Risk Factors in Cargo Operations
  - 3.5 Evaluating Mitigation Strategies for Cargo Risks
  - 3.6 Implementing Risk Assessment Techniques in Practice
- **4 Strategic Risk Mitigation Tactics in Air Cargo** — 6 classes
  - 4.1 Understanding Strategic Risks in Air Cargo
  - 4.2 Identifying Vulnerabilities in Air Cargo Operations
  - 4.3 Evaluating Risk Impact and Probability
  - 4.4 Implementing Mitigation Strategies for Identified Risks
  - 4.5 Monitoring and Reviewing Risk Mitigation Effectiveness
  - 4.6 Applying Risk Mitigation Tactics in Real-World Scenarios
- **5 Technological Innovations in Risk Management for Cargo Logistics** — 6 classes
  - 5.1 Understanding Technological Advancements in Cargo Risk Management
  - 5.2 Exploring Real-Time Data Analytics for Risk Identification
  - 5.3 Integrating IoT Solutions for Enhanced Cargo Security
  - 5.4 Leveraging AI for Predictive Risk Assessment
  - 5.5 Implementing Blockchain for Transparent and Secure Transactions
  - 5.6 Evaluating Emerging Technologies for Future Risk Mitigation
- **6 Dangerous Goods in the Air Cargo Supply Chain** — 6 classes
  - 6.1 Dangerous Goods Rules in the Supply Chain
  - 6.2 Supervising Dangerous Goods Acceptance and Checks
  - 6.3 Coordinating Forwarders, Airlines and Handlers
  - 6.4 Dangerous Goods Risk Assessment and Controls
  - 6.5 Incident Reporting and Corrective Action
  - 6.6 Emergency Response Procedures for Dangerous Goods
- **1 Understanding Risk Types and Sources in Air Cargo** — 6 classes
  - 1.1 Identifying Risk Types in Air Cargo Operations
  - 1.2 Analyzing Internal Risk Sources in Air Cargo
  - 1.3 Examining External Factors Impacting Air Cargo Risk
  - 1.4 Understanding Financial Risks in Global Air Cargo
  - 1.5 Exploring Regulatory Compliance in Air Cargo
  - 1.6 Applying Risk Management Strategies to Mitigate Air Cargo Risks
- **2 Risk Assessment and Management Strategies** — 6 classes
  - 2.1 Understanding Risk Types in Global Air Cargo
  - 2.2 Identifying Key Risk Factors in Air Cargo Operations
  - 2.3 Conducting a Comprehensive Risk Assessment
  - 2.4 Developing Effective Risk Management Strategies
  - 2.5 Implementing Compliance Measures in Risk Management
  - 2.6 Evaluating the Effectiveness of Risk Management Plans
- **3 Regulatory Compliance and Legal Frameworks** — 6 classes
  - 3.1 Understanding Global Regulatory Bodies: ICAP, ICAO, IATA
  - 3.2 Identifying Key Legal Frameworks in Air Cargo
  - 3.3 Analyzing International Trade Laws and Their Impacts
  - 3.4 Interpreting Compliance Requirements for Cargo Handling
  - 3.5 Implementing Risk Management Strategies in Compliance
- **3 Identifying Human Factors in Incident Causation** — 6 classes
  - 3.1 Understanding Human Factors in Incident Causation
  - 3.2 Exploring Psychological Influences on Safety
  - 3.3 Investigating Organizational Culture and Its Impact
  - 3.4 Analyzing Human Error: Types and Triggers
  - 3.5 Studying Communication Breakdowns in Incidents
  - 3.6 Applying Human Factors Analysis to Real-life Scenarios
- **4 Applying Root Cause Analysis Techniques** — 6 classes
  - 4.1 Understanding the Basics of Root Cause Analysis
  - 4.2 Identifying and Framing the Problem
  - 4.3 Gathering Data for Root Cause Analysis
  - 4.4 Analyzing Data to Discover Root Causes
  - 4.5 Developing Solutions from Root Cause Findings
  - 4.6 Implementing and Monitoring the Solutions
- **5 Formulating Recommendations and Reporting** — 6 classes
  - 5.1 Understanding the Role of Recommendations in Incident Resolution
  - 5.2 Gathering Data for Effective Recommendations
  - 5.3 Analyzing Incidents to Develop Actionable Recommendations
  - 5.4 Formulating Targeted Recommendations for Prevention
  - 5.5 Structuring and Writing Clear Incident Reports
  - 5.6 Communicating Findings and Recommendations to Stakeholders
- **1 Introduction to Safety Data and its Role in Aviation** — 6 classes
  - 1.1 Understanding Safety Data in Aviation
  - 1.2 Exploring Types of Safety Data
  - 1.3 Collecting and Organizing Safety Data
  - 1.4 Analyzing Safety Data for Trends and Patterns
  - 1.5 Interpreting Safety Data for Risk Assessment
  - 1.6 Applying Safety Data to Improve Aviation Safety
- **2 Tools and Techniques for Safety Data Collection** — 6 classes
  - 2.1 Understanding the Importance of Safety Data
  - 2.2 Identifying Key Safety Data Sources
  - 2.3 Collecting Data Using Surveys and Interviews
  - 2.4 Utilizing Technology for Real-Time Data Collection
  - 2.5 Analyzing Safety Data with Statistical Tools
  - 2.6 Interpreting Data to Improve Safety Practices
- **3 Methods for Analyzing Aviation Safety Data** — 6 classes
  - 3.1 Understanding Safety Data Types in Aviation
  - 3.2 Collecting and Managing Aviation Safety Data
  - 3.3 Exploring Data Visualization Techniques for Safety Insights
  - 3.4 Analyzing Trends and Patterns in Safety Data
  - 3.5 Utilizing Statistical Methods for Safety Data Interpretation
  - 3.6 Applying Safety Data Analysis to Improve Aviation Safety
- **4 Interpreting Results and Making Safety Improvements** — 6 classes
  - 4.1 Understanding Safety Data Contexts
  - 4.2 Analyzing Trends and Patterns
  - 4.3 Identifying Root Causes from Data
  - 4.4 Evaluating Data-driven Safety Actions
  - 4.5 Developing Improvement Strategies
  - 4.6 Implementing and Monitoring Safety Improvements
- **5 Case Studies: Real-World Application of Safety Data Analysis** — 6 classes
  - 5.1 Understanding Real-World Contexts for Safety Data
  - 5.2 Identifying Key Safety Data Variables
  - 5.3 Analyzing Safety Incident Case Studies
  - 5.4 Interpreting Trends and Patterns in Safety Data
  - 5.5 Applying Data Insights to Safety Management
  - 5.6 Evaluating the Impact of Data-Driven Safety Decisions
- **1 Understanding Safety Deficiencies in Aviation** — 6 classes
  - 1.1 Identifying Common Safety Deficiencies in Aviation
  - 1.2 Analyzing Root Causes of Safety Deficiencies
  - 1.3 Evaluating Impact of Safety Deficiencies on Operations
  - 1.4 Developing Strategies to Address Safety Deficiencies
  - 1.5 Implementing Corrective Actions Effectively
  - 1.6 Monitoring and Reviewing Corrective Actions
- **2 Risk Assessment and Prioritization Techniques** — 6 classes

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UKPRN 10067351 • Company 4984798
Curriculum current at the date of issue.