LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 45001ARS — Occupational Health and Safety in Aerospace Manufacturing

ISO Certification Programme

LAPT — London Academy of Professional Training

Address 85 Great Portland Street, W1W 7LT, London, United Kingdom

Email info@lapt.org

Telephone +44 7513 283044

Web lapt.org

Reference TR-ARS-45001ARS • ISO Transport

UKPRN 10067351 • Registered in England and Wales, company 4984798

6	15	90	430	60%	Lifetime
SUBJECTS	CHAPTERS	CLASSES	TOTAL MARKS	PASS MARK	VALIDITY

AT A GLANCE

REFERENCE	**TR-ARS-45001ARS**
AWARD	**Certificate**
ASSESSMENT	**430 marks — 258 to pass (60%)**
PREREQUISITES	**None**
VALIDITY	**Lifetime**
AWARDING BODY	**LAPT — London Academy of Professional Training**

CURRICULUM

1 Monitoring and Evaluation Techniques

0 chapters · 45 marks

2 Occupational Health Policies

5 chapters · 30 classes · 85 marks

• 1 Introduction to Occupational Health Policies in Aerospace Manufacturing — 6 classes

- 1.1 Define Key Concepts in Occupational Health Policies
- 1.2 Explore the Importance of Health Policies in Aerospace Manufacturing
- 1.3 Identify Regulatory Frameworks Governing Occupational Health Standards
- 1.4 Assess Risks and Hazards in Aerospace Manufacturing Environments
- 1.5 Develop Effective Health and Safety Strategies for Workforce Protection
- 1.6 Implementing and Monitoring Occupational Health Policies in Practice

• 2 Regulatory Frameworks and Standards for Occupational Health — 6 classes

- 2.1 Identify Key Regulatory Frameworks in Occupational Health
- 2.2 Analyze the Role of ISO 45001 in Aerospace Manufacturing
- 2.3 Compare National and International Occupational Health Standards
- 2.4 Discuss the Impact of Legislation on Workplace Safety Practices
- 2.5 Evaluate Compliance Strategies for ISO 45001 Implementation
- 2.6 Create an Action Plan for Adopting Health Policies in Aerospace

• 3 Hazard Identification and Risk Assessment in Aerospace Settings — 6 classes

- 3.1 Understand Key Concepts of Hazard Identification in Aerospace
- 3.2 Explore Common Hazards in Aerospace Manufacturing Environments
- 3.3 Analyze Risk Factors Associated with Identified Hazards
- 3.4 Apply the Hierarchy of Controls to Mitigate Risks
- 3.5 Conduct a Practical Risk Assessment in an Aerospace Context
- 3.6 Develop an Action Plan for Continuous Safety Improvement

• 4 Designing Effective Occupational Health Policies and Procedures — 6 classes

- 4.1 Identify Key Components of Occupational Health Policies
- 4.2 Assess Risks and Hazards in Aerospace Manufacturing
- 4.3 Develop Clear Procedures for Health Monitoring
- 4.4 Establish Roles and Responsibilities in Health Management
- 4.5 Implement Training Programs for Employee Awareness
- 4.6 Evaluate and Revise Occupational Health Policies Regularly

• 5 Promoting a Safety Culture: Leadership and Employee Engagement — 6 classes

- 5.1 Define and Recognize a Safety Culture in Aerospace Manufacturing
- 5.2 Explore Leadership Roles in Promoting Safety Initiatives
- 5.3 Identify Key Employee Engagement Strategies for Safety
- 5.4 Analyze Real-World Examples of Safety Culture Successes
- 5.5 Develop a Personal Action Plan to Enhance Safety Leadership
- 5.6 Evaluate the Impact of Employee Feedback on Safety Programs

3 Practical Implementation Strategies

0 chapters · 45 marks

4 Risk Assessment Methodologies

5 chapters · 30 classes **85 marks**

- **1 Understanding Risk Assessment in Aerospace Manufacturing** — 6 classes
  - 1.1 Define Risk Assessment Concepts in Aerospace Manufacturing
  - 1.2 Identify Common Hazards in Aerospace Manufacturing Environments
  - 1.3 Explore Risk Assessment Methodologies: A Framework Overview
  - 1.4 Apply Qualitative Risk Assessment Techniques in Aerospace Scenarios
  - 1.5 Utilize Quantitative Risk Assessment Tools for Data-Driven Decision Making
  - 1.6 Develop an Action Plan Based on Risk Assessment Outcomes
- **2 Identifying Hazards and Risk Factors** — 6 classes
  - 2.1 Analyze Common Hazards in Aerospace Manufacturing
  - 2.2 Identify Chemical Risks and Their Sources
  - 2.3 Evaluate Physical Hazard Impacts on Workers
  - 2.4 Assess Ergonomic Risk Factors in the Workplace
  - 2.5 Integrate Risk Factors into Operational Procedures
  - 2.6 Implement Strategies for Hazard Mitigation
- **3 Qualitative and Quantitative Risk Assessment Techniques** — 6 classes
  - 3.1 Define Qualitative Risk Assessment Concepts in Aerospace Manufacturing
  - 3.2 Identify Common Qualitative Risk Assessment Techniques
  - 3.3 Explore Quantitative Risk Assessment Fundamentals in Occupational Health
  - 3.4 Analyze Data for Quantitative Risk Assessment in Aerospace Contexts
  - 3.5 Compare and Contrast Qualitative and Quantitative Risk Assessment Approaches
  - 3.6 Apply Risk Assessment Techniques to Real-world Aerospace Scenarios
- **4 Integrating ISO 45001 Standards into Risk Assessment** — 6 classes
  - 4.1 Understand ISO 45001: Key Principles and Framework
  - 4.2 Identify Risks: Tools for Hazard Recognition in Aerospace
  - 4.3 Apply ISO 45001 Standards: Integrating into Existing Risk Processes
  - 4.4 Evaluate Risk: Qualitative vs Quantitative Assessment Techniques
  - 4.5 Develop Action Plans: Mitigation Strategies Aligned with ISO 45001
  - 4.6 Monitor and Review: Continuous Improvement in Risk Management
- **5 Continuous Improvement and Risk Mitigation Strategies** — 6 classes
  - 5.1 Identify Continuous Improvement Principles in Aerospace Manufacturing
  - 5.2 Analyze Different Risk Assessment Methodologies for Effectiveness
  - 5.3 Evaluate Current Risk Mitigation Strategies in Your Organization
  - 5.4 Develop Action Plans for Implementing Continuous Improvement
  - 5.5 Integrate Leadership Techniques to Promote a Safety Culture
  - 5.6 Conduct a Group Activity to Propose Innovative Risk Solutions

5 Safety Culture and Leadership

0 chapters **65 marks**

6 Understanding ISO 45001 Standards

5 chapters · 30 classes **105 marks**

• 1 Foundations of ISO 45001: Understanding Occupational Health and Safety Standards — 6 classes

- › 1.1 Explore the Origins and Purpose of ISO 45001 Standards
- › 1.2 Identify Key Terminology and Concepts in Occupational Health and Safety
- › 1.3 Analyze the Structure and Clauses of ISO 45001
- › 1.4 Discuss the Benefits of Implementing ISO 45001 in Aerospace Manufacturing
- › 1.5 Evaluate Risk Assessment Processes within the ISO 45001 Framework
- › 1.6 Apply ISO 45001 Principles to Real-World Aerospace Scenarios

• 2 Key Elements of ISO 45001: Roles and Responsibilities — 6 classes

- › 2.1 Define Key Roles in ISO 45001 Implementation
- › 2.2 Identify Responsibilities of Top Management in Occupational Health and Safety
- › 2.3 Explore Employee Involvement in ISO 45001 Processes
- › 2.4 Analyze the Role of Safety Representatives in Aerospace Manufacturing
- › 2.5 Discuss Accountability Measures in ISO 45001 Framework
- › 2.6 Develop an Action Plan for Effective Role Allocation in Workplace Safety

• 3 Risk Assessment and Hazard Identification in Aerospace Manufacturing — 6 classes

- › 3.1 Define key terms in risk assessment and hazard identification
- › 3.2 Identify common hazards in aerospace manufacturing environments
- › 3.3 Analyze the impact of hazards on workforce safety and operations
- › 3.4 Explore risk assessment methodologies used in aerospace
- › 3.5 Develop a risk assessment matrix for aerospace manufacturing scenarios
- › 3.6 Implement findings from risk assessments into safety protocols

• 4 Implementing ISO 45001: Developing an Occupational Health and Safety Management System — 6 classes

- › 4.1 Identify Key Components of ISO 45001 Standards
- › 4.2 Assess Current Occupational Health and Safety Practices
- › 4.3 Develop an Effective OH&S Policy Framework
- › 4.4 Establish Roles and Responsibilities in OH&S Management
- › 4.5 Implement Risk Assessment and Control Measures
- › 4.6 Monitor and Review OH&S Management System Effectiveness

• 5 Performance Evaluation and Continuous Improvement in Occupational Health and Safety — 6 classes

- › 5.1 Assess Key Performance Indicators for Occupational Health and Safety
- › 5.2 Analyze Data Collection Methods for Continuous Improvement
- › 5.3 Implement Audit Techniques to Evaluate Safety Compliance
- › 5.4 Engage Stakeholders in Performance Review Processes
- › 5.5 Develop Action Plans Based on Performance Evaluation Results
- › 5.6 Foster a Culture of Continuous Improvement in Safety Practices