LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 14001SAV — Environmental Management and Energy Efficiency

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 ENG-SAV-14001SAV • ISO Energy

UKPRN 10067351 • Registered in England and Wales, company 4984798

6	25	138	430	60%	Lifetime
SUBJECTS	CHAPTERS	CLASSES	TOTAL MARKS	PASS MARK	VALIDITY

AT A GLANCE

REFERENCE	**ENG-SAV-14001SAV**
AWARD	**Certificate**
ASSESSMENT	**430 marks — 258 to pass (60%)**
PREREQUISITES	**None**
VALIDITY	**Lifetime**
AWARDING BODY	**LAPT — London Academy of Professional Training**

CURRICULUM

1 Energy Efficiency Strategies

5 chapters · 30 classes **105 marks**

- **1 Understanding Energy Efficiency Fundamentals** — 6 classes
  - 1.1 Define Energy Efficiency and Its Importance in Environmental Management
  - 1.2 Identify Key Energy Consumption Areas in Various Sectors
  - 1.3 Explain the Principles of Energy Conservation and Reduction Techniques
  - 1.4 Assess the Role of Renewable Energy Sources in Improving Efficiency
  - 1.5 Evaluate Energy Efficiency Metrics and Performance Indicators
  - 1.6 Develop an Action Plan for Implementing Energy Efficiency Strategies
- **2 Identifying Energy Consumption Patterns** — 6 classes
  - 2.1 Analyze Historical Energy Consumption Data
  - 2.2 Identify Trends in Energy Use Over Time
  - 2.3 Explore Seasonal Variations in Energy Consumption
  - 2.4 Assess Energy Use by Different Departments or Units
  - 2.5 Investigate the Impact of Operational Changes on Energy Usage
  - 2.6 Develop Recommendations Based on Energy Consumption Patterns
- **3 Implementing Energy Efficiency Measures** — 6 classes
  - 3.1 Identify Key Energy Efficiency Measures
  - 3.2 Assess Current Energy Consumption and Costs
  - 3.3 Develop an Energy Efficiency Action Plan
  - 3.4 Implement Energy Efficiency Technologies
  - 3.5 Monitor and Evaluate Energy Efficiency Performance
  - 3.6 Communicate Energy Efficiency Benefits to Stakeholders
- **4 Evaluating Energy Efficiency Strategies** — 6 classes
  - 4.1 Assess Current Energy Consumption Patterns
  - 4.2 Identify Key Performance Indicators for Energy Efficiency
  - 4.3 Analyze Energy Efficiency Technologies and Solutions
  - 4.4 Evaluate Financial Implications of Energy Efficiency Strategies
  - 4.5 Develop a Framework for Implementing Energy Efficiency Strategies
  - 4.6 Monitor and Review the Impact of Energy Efficiency Initiatives
- **5 Advancing Towards Energy Management Systems** — 6 classes
  - 5.1 Identify Key Components of Energy Management Systems
  - 5.2 Analyze Benefits of Implementing Energy Efficiency Strategies
  - 5.3 Assess Current Energy Consumption Patterns in Organizations
  - 5.4 Develop Action Plans for Energy Efficiency Implementation
  - 5.5 Evaluate Performance Metrics for Energy Management
  - 5.6 Create a Roadmap for Continuous Improvement in Energy Efficiency

2 Environmental Management Systems

5 chapters · 30 classes **85 marks**

- **1 Understanding Environmental Management Systems (EMS)** — 6 classes
  - 1.1 Define Environmental Management Systems and Their Importance
  - 1.2 Identify Key Components of an Effective EMS
  - 1.3 Explore the ISO 14001 Standard and Its Requirements
  - 1.4 Analyze Case Studies of Successful EMS Implementation
  - 1.5 Assess the Impact of EMS on Organizational Performance
  - 1.6 Develop Action Plans for Implementing an EMS in Your Organization
- **2 ISO 14001:2015 Standards and Requirements** — 6 classes
  - 2.1 Understand the Purpose and Scope of ISO 14001:2015
  - 2.2 Identify Key Principles of Environmental Management Systems
  - 2.3 Explore the Requirements for Leadership and Commitment
  - 2.4 Analyze the Role of Environmental Policy in ISO 14001
  - 2.5 Implement Risk and Opportunity Management in Environmental Context
  - 2.6 Evaluate Continuous Improvement Strategies for Compliance
- **3 Integrating Energy Efficiency into EMS** — 6 classes
  - 3.1 Assess Current Energy Usage in Your Organization
  - 3.2 Identify Key Areas for Energy Efficiency Improvements
  - 3.3 Develop Energy Efficiency Objectives and Targets
  - 3.4 Integrate Energy Efficiency into Existing Environmental Policies
  - 3.5 Monitor and Measure Energy Efficiency Performance
  - 3.6 Promote Staff Engagement in Energy Efficiency Initiatives
- **4 Monitoring, Measurement, and Evaluation of EMS Performance** — 6 classes
  - 4.1 Identify Key Performance Indicators for EMS
  - 4.2 Develop a Monitoring Plan for Environmental Metrics
  - 4.3 Utilize Tools and Technologies for Data Collection
  - 4.4 Analyze Collected Data to Assess EMS Performance
  - 4.5 Evaluate and Interpret Trends in Environmental Performance
  - 4.6 Implement Continuous Improvement Strategies Based on Evaluation Results
- **5 Leadership Roles in Driving Environmental and Energy Performance** — 6 classes
  - 5.1 Define Leadership Roles in Environmental Management
  - 5.2 Identify Key Responsibilities of Environmental Leaders
  - 5.3 Explore Influential Leadership Styles for Sustainability
  - 5.4 Assess the Impact of Leadership on Energy Performance
  - 5.5 Implement Strategies for Engaging Employees in Environmental Goals
  - 5.6 Evaluate Leadership Effectiveness in Driving Continuous Improvement

3 ISO 14001 Compliance

5 chapters · 30 classes **65 marks**

- **1 Understanding ISO 14001: Principles and Objectives** — 6 classes
  - 1.1 Define Key Concepts of ISO 14001 Compliance
  - 1.2 Identify Core Principles of Environmental Management
  - 1.3 Explore the Structure of ISO 14001 Standard
  - 1.4 Assess Objectives of Implementing ISO 14001
  - 1.5 Analyze Benefits of ISO 14001 Certification
  - 1.6 Develop an Action Plan for ISO 14001 Compliance
- **2 Key Requirements for ISO 14001 Compliance** — 6 classes
  - 2.1 Identify Key Principles of ISO 14001 Compliance
  - 2.2 Analyze the Importance of Environmental Policy in ISO 14001
  - 2.3 Evaluate Environmental Aspects and Impacts for ISO 14001 Compliance
  - 2.4 Establish Objectives and Targets Linked to ISO 14001 Requirements
  - 2.5 Implement an Effective Environmental Management System (EMS)
  - 2.6 Review and Monitor ISO 14001 Compliance Through Internal Audits
- **3 Energy Efficiency Practices within ISO 14001 Framework** — 6 classes
  - 3.1 Define Energy Efficiency within the ISO 14001 Framework
  - 3.2 Identify Key Principles of Energy Management Systems
  - 3.3 Assess Current Energy Use and Identify Improvement Opportunities
  - 3.4 Implement Energy Efficiency Measures and Best Practices
  - 3.5 Monitor and Measure Energy Performance Against Targets
  - 3.6 Develop an Action Plan for Continuous Improvement in Energy Efficiency
- **4 Implementation Strategies for ISO 14001** — 6 classes
  - 4.1 Identify Key Stakeholders for ISO 14001 Implementation
  - 4.2 Assess Current Environmental Management Practices
  - 4.3 Develop an ISO 14001 Implementation Plan
  - 4.4 Engage Employees in Environmental Objectives and Training
  - 4.5 Establish Monitoring and Measurement Framework for Compliance
  - 4.6 Review and Adapt the Implementation Strategy for Continuous Improvement
- **5 Auditing and Continual Improvement in ISO 14001** — 6 classes
  - 5.1 Understand the Principles of ISO 14001 Compliance
  - 5.2 Identify Key Components of an Environmental Audit
  - 5.3 Develop Effective Audit Strategies for ISO 14001
  - 5.4 Analyze Audit Findings to Drive Actionable Improvements
  - 5.5 Implement Continuous Improvement Processes in Environmental Management
  - 5.6 Evaluate the Impact of ISO 14001 on Organizational Performance

4 Leadership in Environmental Initiatives

5 chapters · 18 classes **65 marks**

- **1 Understanding ISO 14001: Framework and Principles** — 6 classes
  - 1.1 Explore the Key Principles of ISO 14001
  - 1.2 Identify the Structure of the ISO 14001 Standard
  - 1.3 Analyze the Benefits of Implementing ISO 14001
  - 1.4 Assess Stakeholder Engagement in Environmental Management
  - 1.5 Develop an Action Plan for ISO 14001 Implementation
  - 1.6 Evaluate Continuous Improvement in Environmental Practices
- **2 Leadership Roles in Environmental Management Systems** — 6 classes
  - 2.1 Define the Key Leadership Roles in Environmental Management Systems
  - 2.2 Identify Stakeholders and Their Impact on Environmental Initiatives
  - 2.3 Develop Effective Communication Strategies for Environmental Leadership
  - 2.4 Assess and Enhance Team Engagement in Environmental Practices
  - 2.5 Create Action Plans for Implementing Sustainable Practices
  - 2.6 Evaluate Leadership Effectiveness in Driving Environmental Change
- **3 Developing and Communicating Environmental Policies** — 6 classes
  - 3.1 Assessing Organizational Environmental Needs
  - 3.2 Defining Key Components of Effective Environmental Policies
  - 3.3 Engaging Stakeholders in Policy Development
  - 3.4 Crafting Clear and Measurable Environmental Goals
  - 3.5 Communicating Environmental Policies to Team Members
  - 3.6 Evaluating the Impact of Environmental Policies
- **4 Driving Change: Strategies for Energy Efficiency Innovations**
- **5 Measuring Success: KPIs and Continuous Improvement**

5 Project Management for Energy Projects

0 chapters **45 marks**

6 Sustainable Resource Management

5 chapters · 30 classes **65 marks**

- **1 Fundamentals of Sustainable Resource Management** — 6 classes
  - 1.1 Define Key Concepts in Sustainable Resource Management
  - 1.2 Analyze the Impact of Resource Depletion on Ecosystems
  - 1.3 Explore Sustainable Practices in Resource Management
  - 1.4 Assess Tools for Measuring Resource Efficiency
  - 1.5 Evaluate Case Studies of Successful Resource Management
  - 1.6 Develop a Personal Action Plan for Sustainable Resource Use
- **2 Energy Consumption and Environmental Impact** — 6 classes
  - 2.1 Analyze Energy Consumption Patterns in Daily Life
  - 2.2 Identify the Sources of Energy in the UK
  - 2.3 Evaluate the Environmental Impact of Different Energy Sources
  - 2.4 Explore Methods for Reducing Energy Consumption
  - 2.5 Develop a Personal Action Plan for Sustainable Energy Use
  - 2.6 Present Community Solutions for Improving Energy Efficiency
- **3 Resource Efficiency Strategies in Energy Management** — 6 classes
  - 3.1 Analyze Current Energy Consumption Patterns
  - 3.2 Identify Key Resource Efficiency Opportunities
  - 3.3 Evaluate Impact of Energy Efficiency Technologies
  - 3.4 Develop a Resource Management Action Plan
  - 3.5 Implement Best Practices in Energy Management
  - 3.6 Measure and Report Energy Efficiency Outcomes
- **4 Sustainability Assessment Tools and Metrics** — 6 classes
  - 4.1 Explore the Concept of Sustainability Assessment
  - 4.2 Identify Key Sustainability Metrics
  - 4.3 Analyze Existing Sustainability Assessment Tools
  - 4.4 Evaluate the Effectiveness of Different Metrics
  - 4.5 Develop a Sustainability Assessment Framework
  - 4.6 Apply Assessment Tools to Real-World Scenarios
- **5 Implementing Sustainable Resource Management Practices** — 6 classes
  - 5.1 Assess Current Resource Usage and Waste Management Practices
  - 5.2 Identify Opportunities for Reducing Resource Consumption
  - 5.3 Implement Energy Efficiency Measures in Operations
  - 5.4 Develop a Sustainable Procurement Strategy
  - 5.5 Engage Stakeholders in Sustainable Resource Management Initiatives
  - 5.6 Monitor and Evaluate the Impact of Resource Management Practices