

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 18308IHT — Electronic Health Record Architecture Requirements

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 IIT-IHT-18308IHT • ISO IT & Related Technologies

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	IIT-IHT-18308IHT
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Architectural Design Principles

5 chapters · 24 classes

85 marks

• 1 Fundamentals of Health Record Architecture — 6 classes

› 1.1 Define Core Concepts of Health Record Architecture

› 1.2 Identify Key Components in Electronic Health Records

› 1.3 Analyze Architectural Frameworks in Health Record Systems

› 1.4 Evaluate the Interoperability of Health Record Architectures

› 1.5 Apply Design Principles to Improve Health Record Usability

› 1.6 Develop a Conceptual Model for a Health Record System

• 2 Principles of System Integration in Health IT — 6 classes

› 2.1 Define System Integration and Its Importance in Health IT

› 2.2 Identify Key Architectural Design Principles for Health IT Systems

› 2.3 Explore Standards and Frameworks for Effective System Integration

› 2.4 Analyze Common Integration Challenges in Health IT Implementation

› 2.5 Evaluate Integration Solutions and Tools in the Health Sector

› 2.6 Apply Best Practices for Successful System Integration in Health IT

• 3 Standards and Regulations Affecting EHR Architecture — 6 classes

› 3.1 Identify Key Standards Impacting EHR Architecture

› 3.2 Analyze Regulatory Compliance in Electronic Health Records

› 3.3 Evaluate the Role of ISO Standards in EHR Design

› 3.4 Discuss Integration of Legislative Frameworks in EHR Architecture

› 3.5 Apply Compliance Strategies to EHR Development Scenarios

› 3.6 Assess Future Trends in Standards for EHR Architecture

• 4 User-Centered Design in EHR Systems — 6 classes

› 4.1 Define User-Centered Design Principles in EHR Systems

› 4.2 Identify Key Stakeholders in EHR User Experience

› 4.3 Analyze User Needs Through Contextual Inquiry

› 4.4 Develop User Personas for Effective EHR Design

› 4.5 Create Wireframes to Visualize EHR Interfaces

› 4.6 Evaluate EHR Usability Through User Testing Methods

• 5 Future Trends and Innovations in Health EHR Architecture

2

Electronic Health Record Standards5 chapters · 30 classes **85 marks****• 1 Fundamentals of Electronic Health Record Standards** — 6 classes

- › 1.1 Define Key Concepts in Electronic Health Record Standards
- › 1.2 Describe the Importance of Standardization in Healthcare Data
- › 1.3 Identify Core Components of Electronic Health Record Systems
- › 1.4 Examine ISO 18308 IHT Architecture Requirements
- › 1.5 Analyze the Impact of EHR Standards on Patient Care
- › 1.6 Apply EHR Standards to Develop a Case Study Simulation

• 2 Core Components of EHR Architecture — 6 classes

- › 2.1 Identify Core Components of EHR Architecture
- › 2.2 Explain the Functionality of EHR Systems
- › 2.3 Analyze Interoperability Standards for EHRs
- › 2.4 Evaluate Data Security Requirements in EHR Architecture
- › 2.5 Design a Basic EHR Framework Incorporating Standards
- › 2.6 Implement Key EHR Features for Improved Patient Care

• 3 Regulatory Frameworks and Compliance Standards — 6 classes

- › 3.1 Identify Key Regulatory Frameworks for Electronic Health Records
- › 3.2 Analyze the Impact of Compliance Standards on EHR Implementation
- › 3.3 Compare National and International Compliance Standards for EHR
- › 3.4 Evaluate the Role of Audits in Maintaining EHR Compliance
- › 3.5 Develop Strategies for Ensuring Regulatory Compliance in EHR Systems
- › 3.6 Create a Compliance Checklist for Electronic Health Record Systems

• 4 Implementation Strategies for EHR Standards — 6 classes

- › 4.1 Identify Key EHR Standards for Implementation
- › 4.2 Analyze Stakeholder Roles in EHR Adoption
- › 4.3 Develop a Strategic Plan for EHR Integration
- › 4.4 Assess Technical Requirements for EHR Systems
- › 4.5 Evaluate Change Management Strategies for EHR Deployment
- › 4.6 Implement Feedback Mechanisms for Continuous Improvement

• 5 Future Trends in EHR Standards and Technology — 6 classes

- › 5.1 Explore Emerging Technologies Shaping EHR Systems
- › 5.2 Analyze the Impact of Interoperability on Healthcare Delivery
- › 5.3 Examine Patient-Centric Approaches in EHR Development
- › 5.4 Investigate Privacy and Security Challenges in Future EHR Standards
- › 5.5 Evaluate Regulatory Changes Affecting EHR Implementation
- › 5.6 Design a Vision for the Future of Electronic Health Records

3

Governance and Compliance0 chapters **65 marks**

4

Health IT Integration Challenges0 chapters **65 marks**

5

Leadership in Health IT0 chapters **45 marks**

6

Project Management Methodologies0 chapters **85 marks**