

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 37100SCE — Sustainable Cities and Communities Vocabulary

ISO Certification Programme



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Reference ENV-SCE-37100SCE • ISO Environmental Sustainability

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AT A GLANCE

REFERENCE	ENV-SCE-37100SCE
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Evaluation and Assessment in Smart Cities

5 chapters · 30 classes65 marks

• 1 Understanding Evaluation Frameworks in Smart Cities — 6 classes

› 1.1 Define and Explore Evaluation Frameworks in Smart Cities

› 1.2 Identify Key Components of Evaluation Frameworks

› 1.3 Analyze Existing Evaluation Frameworks for Smart Cities

› 1.4 Assess the Role of Stakeholders in Evaluation Processes

› 1.5 Develop Criteria for Effective Evaluation in Smart Cities

› 1.6 Create a Case Study Based Evaluation Plan for a Smart City Initiative

• 2 Key Performance Indicators (KPIs) for Sustainable Urban Development — 6 classes

› 2.1 Define Key Performance Indicators for Sustainable Urban Development

› 2.2 Identify and Classify Different Types of KPIs in Smart Cities

› 2.3 Analyze the Importance of KPIs in Evaluating Urban Sustainability

› 2.4 Develop Metrics for Assessing Economic Performance of Smart Cities

› 2.5 Create a KPI Dashboard for Monitoring Environmental Impact

› 2.6 Implement a Case Study Approach to Evaluate KPI Effectiveness in Urban Planning

• 3 Data Collection Methods for Smart City Assessments — 6 classes

› 3.1 Identify Key Data Sources for Smart City Assessments

› 3.2 Analyze Qualitative Data Collection Techniques

› 3.3 Explore Quantitative Data Collection Methods

› 3.4 Assess the Role of Technology in Data Collection

› 3.5 Evaluate Data Integrity and Quality in Assessments

› 3.6 Design a Data Collection Plan for Smart City Evaluation

• 4 Analyzing and Interpreting Data in Smart City Contexts — 6 classes

› 4.1 Understand Key Data Concepts in Smart City Analysis

› 4.2 Identify Sources of Data for Smart City Evaluations

› 4.3 Explore Tools and Techniques for Data Interpretation

› 4.4 Analyze Patterns and Trends in Smart City Data

› 4.5 Evaluate the Impact of Data-Driven Decisions in Communities

› 4.6 Apply Data Insights to Develop Sustainable Solutions

• 5 Reporting and Communicating Assessment Results for Stakeholder Engagement — 6 classes

› 5.1 Define Key Stakeholders in Smart City Assessments

› 5.2 Analyze Effective Communication Strategies for Stakeholder Engagement

› 5.3 Develop Clear Reporting Formats for Assessment Results

› 5.4 Evaluate the Impact of Assessment Results on Stakeholder Decisions

› 5.5 Create a Stakeholder Feedback Mechanism for Continuous Improvement

› 5.6 Present Assessment Findings in an Engaging and Accessible Manner

• 1 Understanding ISO 37100: Principles and Objectives — 6 classes

- › 1.1 Define Key Principles of ISO 37100
- › 1.2 Explore Objectives of Sustainable Cities and Communities
- › 1.3 Analyze the Importance of Stakeholder Engagement
- › 1.4 Assess Environmental, Economic, and Social Dimensions
- › 1.5 Identify Best Practices for Implementation Strategies
- › 1.6 Develop an Action Plan for ISO 37100 Integration

• 2 Key Components of the ISO 37100 Implementation Framework — 6 classes

- › 2.1 Explore the Purpose of the ISO 37100 Framework
- › 2.2 Identify Key Stakeholders in Sustainable City Implementation
- › 2.3 Analyze Core Principles of Sustainable Development
- › 2.4 Assess Tools and Techniques for Framework Implementation
- › 2.5 Develop Strategies for Community Engagement
- › 2.6 Create an Action Plan for ISO 37100 Adoption

• 3 Developing Sustainable Urban Strategies Aligned with ISO 37100 — 6 classes

- › 3.1 Assess Local Urban Needs through Stakeholder Engagement
- › 3.2 Identify Key Sustainability Principles in ISO 37100
- › 3.3 Develop Collaborative Goals for Sustainable Urban Strategies
- › 3.4 Create a Framework for Monitoring Sustainable Development
- › 3.5 Evaluate the Impact of Urban Strategies on Community Well-being
- › 3.6 Present Innovative Solutions for Sustainable Urban Challenges

• 4 Performance Metrics and Evaluation Techniques in ISO 37100 — 6 classes

- › 4.1 Define Key Performance Metrics for Sustainable Cities
- › 4.2 Identify Evaluation Techniques for Community Development
- › 4.3 Analyze Data Collection Methods for ISO 37100 Compliance
- › 4.4 Implement Quantitative Metrics in Urban Planning Projects
- › 4.5 Evaluate Qualitative Measures in Community Feedback Systems
- › 4.6 Develop a Comprehensive Reporting Framework for ISO 37100 Outcomes

• 5 Case Studies: Successful ISO 37100 Implementations — 6 classes

- › 5.1 Analyze Successful ISO 37100 Implementation Case Studies
- › 5.2 Identify Key Success Factors in Sustainable City Initiatives
- › 5.3 Evaluate the Impact of ISO 37100 on Community Development
- › 5.4 Compare Different Approaches to ISO 37100 Implementation
- › 5.5 Develop a Framework for Future ISO 37100 Project Planning
- › 5.6 Present Recommendations Based on Case Study Findings

• 1 Understanding Sustainable Cities: Key Concepts and Frameworks — 6 classes

- › 1.1 Define Sustainable Cities: Key Characteristics and Principles
- › 1.2 Explore Frameworks for Urban Sustainability: Core Models and Approaches
- › 1.3 Identify Stakeholders in Sustainable Urban Development: Roles and Responsibilities
- › 1.4 Analyze Case Studies: Successful Implementation of Sustainable Strategies
- › 1.5 Evaluate the Impact of Policies on Sustainable City Development
- › 1.6 Develop a Sustainable Action Plan for Local Community Improvement

• 2 Economic Strategies for Sustainable Urban Development — 6 classes

- › 2.1 Analyze the Financial Benefits of Sustainable Urban Initiatives
- › 2.2 Evaluate Key Economic Indicators for Urban Sustainability
- › 2.3 Identify Funding Sources for Sustainable Development Projects
- › 2.4 Design a Business Plan for a Sustainable Urban Initiative
- › 2.5 Develop a Community Engagement Strategy for Economic Sustainability
- › 2.6 Present and Advocate for Economic Strategies in Urban Planning

• 3 Social Equity and Community Engagement in Sustainable Strategies — 6 classes

- › 3.1 Identify Key Concepts of Social Equity in Urban Planning
- › 3.2 Analyze the Role of Community Engagement in Sustainable Strategies
- › 3.3 Evaluate Case Studies on Successful Community Participation
- › 3.4 Develop Strategies for Inclusive Decision-Making Processes
- › 3.5 Create a Community Survey to Assess Needs and Priorities
- › 3.6 Present a Community Engagement Plan for a Sustainable Initiative

• 4 Technological Innovations in Smart City Solutions — 6 classes

- › 4.1 Explore Cutting-Edge Technologies in Smart Cities
- › 4.2 Analyze the Role of IoT in Urban Sustainability
- › 4.3 Investigate Data-Driven Solutions for Efficient Resource Management
- › 4.4 Demonstrate the Integration of Renewable Energy in Urban Planning
- › 4.5 Evaluate Case Studies of Successful Smart City Innovations
- › 4.6 Design a Proposal for Implementing Technology in Your Community

• 5 Measuring and Evaluating the Impact of Sustainability Initiatives — 6 classes

- › 5.1 Define Key Metrics for Evaluating Sustainability Initiatives
- › 5.2 Collect Data for Measuring Sustainability Impact
- › 5.3 Analyze Data to Assess Sustainability Outcomes
- › 5.4 Identify Stakeholders and Their Role in Evaluation
- › 5.5 Develop a Framework for Reporting Sustainability Results
- › 5.6 Create an Action Plan for Improving Future Initiatives

• 1 Understanding Stakeholder Identification in Sustainable Urban Development — 6 classes

- › 1.1 Define Key Concepts in Stakeholder Identification
- › 1.2 Explore the Importance of Stakeholder Engagement in Urban Development
- › 1.3 Identify the Types of Stakeholders in Sustainable Cities
- › 1.4 Analyze Stakeholder Interests and Influence on Urban Projects
- › 1.5 Develop Criteria for Prioritizing Stakeholders in Engagement Strategies
- › 1.6 Create a Stakeholder Engagement Plan for a Local Development Project

• 2 Mapping Stakeholder Interests and Influences — 6 classes

- › 2.1 Identify Key Stakeholders in Sustainable Cities
- › 2.2 Analyze Stakeholder Interests and Concerns
- › 2.3 Map Stakeholder Influences on Policy Decisions
- › 2.4 Prioritize Stakeholders for Effective Engagement
- › 2.5 Develop Communication Strategies for Stakeholder Outreach
- › 2.6 Evaluate the Impact of Stakeholder Engagement on Community Projects

• 3 Effective Communication Strategies for Stakeholder Engagement — 6 classes

- › 3.1 Define Key Communication Concepts for Stakeholder Engagement
- › 3.2 Identify Stakeholder Needs and Expectations Through Active Listening
- › 3.3 Develop Tailored Messaging for Diverse Stakeholder Groups
- › 3.4 Utilize Visual Aids and Storytelling Techniques for Impactful Delivery
- › 3.5 Engage Stakeholders through Interactive Communication Methods
- › 3.6 Evaluate the Effectiveness of Communication Strategies in Stakeholder Engagement

• 4 Building Collaborative Partnerships for Sustainable Solutions — 6 classes

- › 4.1 Identify Key Stakeholders for Collaborative Partnerships
- › 4.2 Analyze Stakeholder Needs and Expectations
- › 4.3 Develop Effective Communication Strategies for Engagement
- › 4.4 Facilitate Collaborative Workshops for Problem Solving
- › 4.5 Establish Metrics for Evaluating Partnership Effectiveness
- › 4.6 Advocate for Sustainable Solutions Through Stakeholder Alliances

• 5 Advocacy Techniques for Promoting Sustainable Community Practices — 6 classes

- › 5.1 Identify Key Stakeholders for Sustainable Practices
- › 5.2 Analyze the Role of Advocacy in Community Engagement
- › 5.3 Develop Persuasive Messaging for Sustainability
- › 5.4 Create Effective Community Engagement Strategies
- › 5.5 Utilize Social Media for Advocacy and Awareness
- › 5.6 Measure Impact of Advocacy Efforts on Community Practices

• 1 Understanding the Foundations of Strategic Communication in Urban Sustainability — 6 classes

- › 1.1 Define Key Concepts in Urban Sustainability
- › 1.2 Explore Strategic Communication Theories
- › 1.3 Identify Stakeholders in Sustainable Urban Development
- › 1.4 Analyze Communication Strategies for Community Engagement
- › 1.5 Evaluate Case Studies in Urban Sustainability Communication
- › 1.6 Develop a Strategic Communication Plan for a Local Initiative

• 2 Stakeholder Engagement and Participation in Sustainable Urban Initiatives — 6 classes

- › 2.1 Identify Key Stakeholders in Urban Sustainability Initiatives
- › 2.2 Analyze Stakeholder Influence and Interests
- › 2.3 Explore Methods for Effective Stakeholder Engagement
- › 2.4 Design Collaborative Participation Strategies
- › 2.5 Evaluate the Impact of Stakeholder Feedback
- › 2.6 Develop a Communication Plan for Stakeholder Involvement

• 3 Developing Effective Communication Strategies for Urban Sustainability — 6 classes

- › 3.1 Identify Key Stakeholders in Urban Sustainability Initiatives
- › 3.2 Analyze Existing Communication Barriers for Urban Sustainability
- › 3.3 Develop Tailored Messaging for Diverse Audiences
- › 3.4 Employ Digital Tools to Enhance Community Engagement
- › 3.5 Create a Strategic Communication Plan for Sustainable Projects
- › 3.6 Evaluate the Impact of Communication Strategies on Community Participation

• 4 Measuring Impact: Communication Metrics in Urban Sustainability — 6 classes

- › 4.1 Identify Key Communication Metrics in Urban Sustainability
- › 4.2 Analyze Current Trends in Communication Impact Measurement
- › 4.3 Establish Benchmarks for Effective Communication Strategies
- › 4.4 Develop a Framework to Assess Communication Outcomes
- › 4.5 Implement Tools for Tracking Communication Metrics
- › 4.6 Evaluate and Optimize Communication Strategies Based on Metrics

• 5 Innovative Communication Technologies for Sustainable Cities — 6 classes

- › 5.1 Explore Innovative Communication Technologies for Urban Sustainability
- › 5.2 Analyze the Role of Social Media in Promoting Sustainable Practices
- › 5.3 Evaluate Mobile Applications for Citizen Engagement in Sustainability
- › 5.4 Implement Smart City Solutions to Enhance Communication Infrastructure
- › 5.5 Design a Communication Strategy Utilizing Emerging Technologies
- › 5.6 Assess the Impact of Innovative Communication on Community Participation

• 1 Fundamentals of Sustainable Vocabulary in Smart Cities — 6

classes

- › 1.1 Define Key Concepts of Sustainable Vocabulary
- › 1.2 Explore Terms Related to Smart Urban Planning
- › 1.3 Analyze Principles of Sustainable Development
- › 1.4 Identify Stakeholders in Sustainable Cities
- › 1.5 Discuss the Role of Technology in Smart Cities
- › 1.6 Apply Sustainable Vocabulary to Real-World Scenarios

• 2 Core Principles of ISO 37100 and Its Applications — 6 classes

- › 2.1 Define Key Concepts in ISO 37100
- › 2.2 Explore the Importance of Sustainable Urban Development
- › 2.3 Investigate Core Principles of Sustainability in Communities
- › 2.4 Analyze the Role of Leadership in Sustainable Initiatives
- › 2.5 Identify Tools and Resources for Implementing ISO 37100
- › 2.6 Evaluate Case Studies of Successful ISO 37100 Applications

• 3 Sustainable Development Goals and Their Terminology — 6 classes

- › 3.1 Explore the Concept of Sustainable Development Goals
- › 3.2 Define Key Terminology in Sustainability
- › 3.3 Analyze the Connection between Sustainable Cities and Communities
- › 3.4 Identify the Role of Leadership in Achieving Sustainability
- › 3.5 Assess the Importance of Community Engagement in Sustainability
- › 3.6 Apply Sustainable Vocabulary in Real-World Scenarios

• 4 Integrating Sustainable Language into Urban Policy and Design

— 6 classes

- › 4.1 Define Key Sustainable Terms for Urban Policy
- › 4.2 Explore the Role of Language in Sustainable Design
- › 4.3 Analyze Case Studies of Sustainable Urban Communication
- › 4.4 Develop a Sustainable Vocabulary Toolkit
- › 4.5 Evaluate the Impact of Language on Community Engagement
- › 4.6 Create a Mini-Policy Proposal Using Sustainable Language

• 5 Evaluating Impact: Metrics and Language for Sustainable Communities — 6 classes

- › 5.1 Define Key Metrics for Evaluating Sustainable Impact
- › 5.2 Analyze Language Used in Sustainability Reporting
- › 5.3 Compare Evaluation Metrics Across Sustainable Communities
- › 5.4 Discuss Challenges in Measuring Impact of Sustainable Initiatives
- › 5.5 Create a Framework for Communicating Sustainability Metrics
- › 5.6 Develop a Case Study on Metrics Application in Sustainable Communities