

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 37120 — Sustainable Development Indicators for Cities

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference MGT-SMC-37120 • ISO Management & Services

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	MGT-SMC-37120
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Advanced Project Management

5 chapters · 30 classes85 marks

• 1 Introduction to ISO 37120 and Sustainable Development Indicators — 6 classes

› 1.1 Explore the Fundamentals of ISO 37120

› 1.2 Identify Key Sustainable Development Indicators

› 1.3 Analyze the Importance of City-Level Data

› 1.4 Evaluate the Role of Leadership in Sustainability

› 1.5 Integrate ISO 37120 Indicators into Project Management

› 1.6 Develop Action Plans for Sustainable City Development

• 2 Understanding Smart Cities Frameworks — 6 classes

› 2.1 Explore the Components of Smart Cities Frameworks

› 2.2 Analyze the Role of ISO 37120 in Urban Sustainability

› 2.3 Identify Key Sustainable Development Indicators for Cities

› 2.4 Assess Stakeholder Engagement in Smart City Projects

› 2.5 Develop Action Plans for Implementing Smart City Strategies

› 2.6 Evaluate Case Studies of Successful Smart City Implementations

• 3 Advanced Project Management Methodologies for ISO Implementation — 6 classes

› 3.1 Analyze ISO 37120 Requirements for Sustainable Development

› 3.2 Evaluate Project Management Methodologies for ISO Compliance

› 3.3 Develop a Project Plan Aligned with ISO 37120 Indicators

› 3.4 Implement Agile Practices for Effective ISO Project Management

› 3.5 Assess Risks and Opportunities in ISO 37120 Implementation

› 3.6 Create a Monitoring and Reporting Framework for ISO Compliance

• 4 Data Collection and Analysis for Sustainable Urban Indicators — 6 classes

› 4.1 Identify Key Urban Indicators for Sustainable Development

› 4.2 Develop Data Collection Techniques for Urban Indicators

› 4.3 Analyze Qualitative and Quantitative Data for Urban Indicators

› 4.4 Utilize Technology for Real-Time Data Collection in Cities

› 4.5 Interpret Findings to Support Urban Sustainability Goals

› 4.6 Present Data Analysis Results to Stakeholders and Decision-Makers

• 5 Strategic Leadership and Stakeholder Engagement in Sustainable Projects — 6 classes

› 5.1 Define Strategic Leadership in the Context of Sustainable Development

› 5.2 Identify Key Stakeholders in Sustainable Projects

› 5.3 Analyze the Role of Communication in Stakeholder Engagement

› 5.4 Evaluate Techniques for Building Collaborative Relationships

› 5.5 Develop Strategies for Influencing Stakeholder Buy-In

› 5.6 Create an Action Plan for Engaging Stakeholders in a Sustainable Project

• 1 Understanding Community Engagement in Sustainable Development — 6 classes

- › 1.1 Define Community Engagement in Sustainable Development
- › 1.2 Explore the Principles of Effective Community Engagement
- › 1.3 Identify Stakeholders and Their Roles in Sustainable Projects
- › 1.4 Analyze Methods for Engaging Communities in Decision-Making
- › 1.5 Evaluate the Impact of Community Engagement on Sustainability Outcomes
- › 1.6 Develop a Community Engagement Plan for a Sustainable Initiative

• 2 Techniques for Effective Community Engagement — 6 classes

- › 2.1 Identify Key Stakeholders for Community Engagement
- › 2.2 Assess Community Needs and Expectations
- › 2.3 Design Inclusive Engagement Strategies
- › 2.4 Utilize Digital Tools for Community Interaction
- › 2.5 Analyze Feedback and Measure Impact
- › 2.6 Develop Action Plans Based on Community Insights

• 3 Assessing Community Needs and Preferences — 6 classes

- › 3.1 Identify Key Community Stakeholders
- › 3.2 Conduct a Community Needs Assessment Survey
- › 3.3 Analyze Survey Data for Community Insights
- › 3.4 Prioritize Community Needs Based on Insights
- › 3.5 Develop Actionable Strategies for Community Engagement
- › 3.6 Evaluate the Effectiveness of Community Engagement Approaches

• 4 Measuring the Impact of Community Engagement Initiatives — 6 classes

- › 4.1 Define Community Engagement and Its Importance
- › 4.2 Identify Key Indicators for Measuring Engagement Success
- › 4.3 Analyze Case Studies of Effective Community Engagement
- › 4.4 Develop Metrics for Impact Assessment
- › 4.5 Utilize Quantitative and Qualitative Data in Assessments
- › 4.6 Create a Framework for Reporting Engagement Outcomes

• 5 Integrating Community Feedback into Urban Planning — 6 classes

- › 5.1 Analyze Existing Community Feedback Mechanisms
- › 5.2 Identify Key Stakeholders for Urban Planning
- › 5.3 Design Effective Surveys to Gather Community Input
- › 5.4 Evaluate Community Feedback for Urban Development Goals
- › 5.5 Integrate Community Feedback into Urban Planning Proposals
- › 5.6 Present and Communicate Findings to the Community

• 1 Fundamentals of Data Collection in Smart Cities — 6 classes

- › 1.1 Identify Key Data Sources for Smart Cities
- › 1.2 Explore Methods for Data Collection in Urban Environments
- › 1.3 Analyze Techniques for Ensuring Data Quality and Reliability
- › 1.4 Evaluate Ethical Considerations in Data Collection
- › 1.5 Apply Statistical Methods for Data Analysis in Urban Studies
- › 1.6 Formulate a Data Collection Strategy for a Smart City Project

• 2 Quantitative Data Techniques for Urban Analysis — 6 classes

- › 2.1 Analyze Basic Statistical Concepts for Urban Data
- › 2.2 Employ Descriptive Statistics to Summarize Urban Metrics
- › 2.3 Utilize Inferential Statistics for Urban Population Predictions
- › 2.4 Apply Geographic Information Systems (GIS) for Visual Data Representation
- › 2.5 Integrate Time Series Analysis to Track Urban Development Trends
- › 2.6 Design Surveys and Questionnaires for Urban Data Collection

• 3 Qualitative Research Methods in Urban Studies — 6 classes

- › 3.1 Explore the Fundamentals of Qualitative Research in Urban Studies
- › 3.2 Identify Key Qualitative Data Collection Techniques
- › 3.3 Develop Interview Questions for Urban Stakeholders
- › 3.4 Implement Focus Groups to Gather Community Insights
- › 3.5 Analyze Qualitative Data Using Thematic Analysis
- › 3.6 Present Findings and Recommendations for Urban Policy

• 4 Integrating Geographic Information Systems (GIS) in Data Analysis — 6 classes

- › 4.1 Explore the Fundamentals of Geographic Information Systems (GIS)
- › 4.2 Understand Data Collection Methods for GIS Integration
- › 4.3 Analyze Spatial Data using GIS Techniques
- › 4.4 Visualize Geographic Data with GIS Tools
- › 4.5 Assess the Impact of GIS on Sustainable City Development
- › 4.6 Apply GIS to Create Actionable Sustainable Development Indicators

• 5 Data Validation and Ethical Considerations in Urban Data Collection — 6 classes

- › 5.1 Understand Data Validation Techniques in Urban Contexts
- › 5.2 Explore Ethical Considerations in Urban Data Collection
- › 5.3 Identify Sources of Bias in Urban Data Collection
- › 5.4 Apply Data Validation Methods to Real-World Urban Scenarios
- › 5.5 Develop Strategies for Ethical Data Collection in Cities
- › 5.6 Evaluate the Impact of Data Integrity on Urban Planning Decisions

• 1 Understanding ISO 37120: Overview and Context — 6 classes

- › 1.1 Define Key Concepts of ISO 37120
- › 1.2 Explore the Importance of Sustainable Development Indicators
- › 1.3 Analyze the Historical Context of Urban Development Standards
- › 1.4 Identify Stakeholders in ISO 37120 Implementation
- › 1.5 Discuss Global Examples of ISO 37120 Applications
- › 1.6 Develop an Action Plan for Local Adoption of ISO 37120

• 2 Key Indicators for Sustainable Urban Development — 6 classes

- › 2.1 Identify Key Indicators for Sustainable Urban Development
- › 2.2 Analyze the Role of Leadership in Implementing Indicators
- › 2.3 Evaluate Case Studies of Successful Urban Development
- › 2.4 Compare Global Standards for Urban Sustainability Indicators
- › 2.5 Develop Action Plans Based on Indicator Analysis
- › 2.6 Communicate the Importance of Indicators to Stakeholders

• 3 Data Collection and Management for ISO Compliance — 6 classes

- › 3.1 Identify Key Sustainable Development Indicators for Urban Settings
- › 3.2 Analyze Data Sources for ISO 37120 Compliance
- › 3.3 Design Effective Data Collection Strategies for Cities
- › 3.4 Implement Best Practices in Data Management for Leadership
- › 3.5 Evaluate Data Quality and Integrity for Urban Development
- › 3.6 Present Data Findings to Stakeholders for Decision-Making

• 4 Leadership Strategies for Implementing ISO 37120 — 6 classes

- › 4.1 Identify Key Leadership Attributes for Urban Sustainability
- › 4.2 Analyze the Impact of ISO 37120 on City Governance
- › 4.3 Develop Action Plans for Engaging Stakeholders in ISO Implementation
- › 4.4 Integrate ISO 37120 Indicators into Urban Development Strategies
- › 4.5 Evaluate the Effectiveness of Leadership Strategies in Sustainable Development
- › 4.6 Present a Case Study: Successful Leadership Practices in ISO 37120 Adoption

• 5 Evaluating and Reporting Progress on Sustainability Indicators — 6 classes

- › 5.1 Identify Key Sustainability Indicators for Urban Development
- › 5.2 Analyze Data Collection Methods for Sustainability Metrics
- › 5.3 Evaluate Current Progress of Sustainability Indicators in Local Contexts
- › 5.4 Utilize Benchmarking Techniques to Compare Urban Sustainability Performance
- › 5.5 Develop a Reporting Framework for Communicating Sustainability Results
- › 5.6 Create an Action Plan for Improving Sustainability Based on Indicator Findings

• 1 Understanding ISO 37120 and its Relevance to Smart Cities — 6 classes

- › 1.1 Identify Key Components of ISO 37120
- › 1.2 Explore the Importance of Sustainable Development Indicators
- › 1.3 Analyze the Impact of ISO 37120 on Urban Planning
- › 1.4 Discuss the Role of Leadership in Implementing ISO 37120
- › 1.5 Evaluate Case Studies of Successful Smart Cities Using ISO 37120
- › 1.6 Create Action Plans for Integrating ISO 37120 in Local Governance

• 2 Key Sustainable Development Indicators for Urban Decision-Making — 6 classes

- › 2.1 Identify Key Sustainable Development Indicators for Urban Areas
- › 2.2 Analyze the Role of ISO 37120 in Urban Decision-Making
- › 2.3 Examine Case Studies of ISO 37120 Implementation in Cities
- › 2.4 Assess the Impact of Sustainable Indicators on Urban Policies
- › 2.5 Develop Action Plans Using Sustainable Development Indicators
- › 2.6 Present Strategies for Integrating ISO 37120 into City Planning

• 3 Data Collection and Analysis Techniques for Smart Cities — 6 classes

- › 3.1 Identify Key Data Sources for Smart City Indicators
- › 3.2 Explore Data Collection Methods for Urban Decision-Making
- › 3.3 Analyze Qualitative vs. Quantitative Data in Urban Studies
- › 3.4 Implement Data Analysis Tools for City Planning
- › 3.5 Evaluate the Impact of Data on Sustainable City Strategies
- › 3.6 Develop Actionable Insights from Data Analysis for City Initiatives

• 4 Strategic Frameworks for Decision-Making in Urban Environments — 6 classes

- › 4.1 Analyze Frameworks for Effective Decision-Making in Urban Environments
- › 4.2 Evaluate Key Sustainable Development Indicators for Smart Cities
- › 4.3 Create a Strategic Decision-Making Model for Urban Planning
- › 4.4 Implement Collaborative Approaches in Urban Decision-Making
- › 4.5 Identify Barriers to Effective Strategic Decision-Making in Cities
- › 4.6 Assess the Impact of Technology on Decision-Making Strategies in Urban Settings

• 5 Case Studies: Successful Implementation of ISO 37120 in Smart Cities — 6 classes

- › 5.1 Analyze Global Case Studies of ISO 37120 Implementation
- › 5.2 Assess the Impact of ISO 37120 on City Sustainability Metrics
- › 5.3 Identify Key Success Factors from Leading Smart Cities
- › 5.4 Develop a Framework for ISO 37120 Implementation in Local Contexts
- › 5.5 Create Strategic Recommendations for City Leaders
- › 5.6 Evaluate the Long-term Benefits of Adopting ISO 37120 Standards

• 1 Understanding Sustainable Development and ISO 37120 — 6

classes

- › 1.1 Define Sustainable Development and its Importance
- › 1.2 Explore the Principles of ISO 37120
- › 1.3 Analyze Key Sustainable Development Indicators
- › 1.4 Evaluate the Role of Cities in Sustainable Development
- › 1.5 Implementing ISO 37120: Best Practices
- › 1.6 Develop a Sustainable Development Action Plan for Cities

• 2 Frameworks for Sustainable Urban Development — 6 classes

- › 2.1 Explore the Principles of Sustainable Urban Development
- › 2.2 Analyze the ISO 37120 Indicators for City Sustainability
- › 2.3 Assess Urban Development Strategies through Case Studies
- › 2.4 Evaluate the Role of Stakeholders in Urban Sustainability
- › 2.5 Develop a Sustainable Urban Development Action Plan
- › 2.6 Present and Advocate for Sustainable Practices in Local Communities

• 3 Metrics and Indicators for Smart Cities — 6 classes

- › 3.1 Explore the Concept of Smart Cities and Their Importance
- › 3.2 Identify Key Sustainable Development Indicators for Urban Areas
- › 3.3 Analyze the Role of ISO 37120 in Measuring City Performance
- › 3.4 Differentiate Between Qualitative and Quantitative Metrics in Smart Cities
- › 3.5 Apply Data Collection Techniques to Assess Urban Sustainability
- › 3.6 Develop a Framework for Selecting Relevant Indicators for Your City

• 4 Data Collection and Analysis for Sustainable Development — 6

classes

- › 4.1 Identify Key Indicators for Sustainable Development
- › 4.2 Explore Data Sources for Urban Sustainability Metrics
- › 4.3 Analyze Data Collection Methods for Accurate Reporting
- › 4.4 Evaluate Data Quality and Reliability in Sustainable Indicators
- › 4.5 Apply Statistical Tools to Interpret Urban Sustainability Data
- › 4.6 Communicate Findings and Recommendations for City Planning

• 5 Implementing and Evaluating Sustainable Initiatives — 6 classes

- › 5.1 Identify Key Sustainable Initiatives for Urban Areas
- › 5.2 Understand and Apply ISO 37120 Indicators
- › 5.3 Develop Action Plans for Sustainable Initiatives
- › 5.4 Engage Stakeholders in Sustainable Development Projects
- › 5.5 Create Evaluation Frameworks for Sustainable Initiatives
- › 5.6 Analyze Data and Metrics to Measure Initiative Success