informatech



MAINTENANCE AND ENGINEERING | COURSE

Certificate in Maintenance Management

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Course content

Why Attend

This course provides participants with a comprehensive foundation to advance their maintenance management career, focusing on developing strategic maintenance plans, optimize budgeting processes, manage contracts, and leverage technology for enhanced operational efficiency. This course equips maintenance professionals with the skills and knowledge necessary to effectively lead and improve maintenance operations.

This course is based on open discussions, question and answer sessions, group exercises, activities, videos, case studies and presentations based on best practices and advanced principles.

By the end of the course, participants will be able to:

• Formulate effective maintenance strategies to optimize equipment performance and lifespan

• Gain insights into budgeting and cost control for maintenance activities

• Master maintenance planning and scheduling to minimize downtime and optimize utilization of maintenance resources

• Structure the maintenance workforce and analyze workload to ensure maximum productivity

• Use Computerized Maintenance Management Systems (CMMS) for tracking and managing maintenance activities

This course is suitable for participants with several years of experience in maintenance. This includes Maintenance Managers, Maintenance Engineers, Maintenance Supervisors and Maintenance Planning Engineers. It is also suitable for professionals who work in the operations, engineering and procurement/ materials departments and who wish to gain an understanding of how the quality of the maintenance function affects their department, and the end result of their organization.

• Strategy Development and Budgeting

• Contract Management

• Planning and Scheduling

• Inventory Control

• People Development



Course content

Course outline

Maintenance Strategies and the Budgeting Process

- Types of maintenance strategies
- Maintenance strategy formulation
- Budgeting fundamentals
- Maintenance budget development
- Maintenance analysis and cost control
- Performance management and key performance indicators (KPIs)

Reliability Centered Maintenance (RCM)

- Criticality analysis
- RCM study
- RCM related references and standards
- Failure definitions
- RCM process flow diagram
- Defining RCM outputs
- Benefits of RCM

Maintenance Contracts and Contractor Management

- What is outsourcing? And why outsource?
- Challenges and risks of outsourcing
- Outsourcing lifecycle model
- Outsourcing strategy analysis
- Contracts and contracting process



Course content

Course outline

• Contracts monitoring and evaluation

Planning and Scheduling Maintenance Activities

• The 6 elements of maintenance planning and scheduling

• Identifying maintenance activities and prioritize them

• Developing a maintenance plan

• Continuous maintenance scheduling process

• Executing the maintenance activities

• Close out

• Reviews and improvements

Maintenance Workforce Planning and Development

• Maintenance key positions

• Building an effective team structure

• Leadership and team management

• Workload analysis and RACI matrix

• Learning and development

• Competency assurance management system

Spare Parts and Inventory Management

• Objectives of inventory control

• Functions of spare parts management

• Inventory order cycle

• The ABC analysis



Course content

Course outline

- Stock turnover and cover
- How is inventory valued?
- Inventory reorder policies
- Inventory improvement actions

Computerized Maintenance Management System (CMMS)

- Work requests
- Work request workflow
- Types of work requests
- How work requests improve maintenance
- Work orders
- Work order workflow
- Types of work orders
- Bill of Materials (BOM)
- Components of a Bill of Materials
- Application Parts List (APL)
- APL vs. BOM
- Components of an Application Parts List
- CMMS simulation

Maintenance Risk Management

- Key concepts and definitions
- Importance of risk management
- Types of maintenance risks



Course content

Course outline

- Risk management framework
- Integrating risk management into maintenance practices
- Safety and compliance

Continuous Improvement in Maintenance

- Lean maintenance
- 5S Methodology
- Total Productive Maintenance (TPM) pillars and importance of autonomous maintenance
- Industrial Internet of Things (IIoT) and predictive analytics
- Benchmarking



Seminar dates

Available seminar dates

Live dates and pricing for Certificate in Maintenance Management generated from the course details page.

Date	Location	Format	Fee
9 - 13 November 2026	Amsterdam - Netherlands	Classroom	**€3,400.-**
14 - 18 December 2026	Istanbul - Turkey	Classroom	**€2,280.-**
18 - 22 January 2027	Rome - Italy	Classroom	**€3,400.-**
15 - 19 February 2027	Kuala lumpur - Malaysia	Classroom	**€1,800.-**
15 - 19 March 2027	Barcelona - Spain	Classroom	**€3,080.-**
19 - 23 April 2027	London - U.K	Classroom	**€3,360.-**
17 - 21 May 2027	Munich - Germany	Classroom	**€3,400.-**
21 - 25 June 2027	Amsterdam - Netherlands	Classroom	**€3,400.-**
19 - 23 July 2027	Istanbul - Turkey	Classroom	**€2,280.-**
16 - 20 August 2027	Rome - Italy	Classroom	**€3,400.-**
20 - 24 September 2027	Kuala lumpur - Malaysia	Classroom	**€1,800.-**
18 - 22 October 2027	Barcelona - Spain	Classroom	**€3,080.-**
15 - 19 November 2027	London - U.K	Classroom	**€3,360.-**
20 - 24 December 2027	Munich - Germany	Classroom	**€3,400.-**

Live online option	Online delivery is available at €1,850.-.