BOOST
THE LEADING TRAINING PROVIDER

Digital Transformation and Innovation

Certified Data Management Professional (CDMP)

Course Introduction

This training program is designed to prepare professionals for the Certified Data Management Professional (CDMP) exam, based on DAMA-DMBOK2.

This program is focusing on helping participants to understand core data management disciplines, standards, and governance frameworks critical for managing data as a strategic asset within modern organizations.

Target Audience

- Aspiring and current data management professionals.
- Business analysts and data analysts.
- Data architects and data governance officers.
- IT managers involved in data-related roles.
- Anyone preparing for the CDMP certification.

Learning Objectives

- Understand the core concepts and principles of data management
- Explore the 11 knowledge areas in DAMA-DMBOK2
- Explore data governance, architecture, and quality management
- Analyze metadata, security, and master data practices
- Gain grounding to support CDMP exam readiness
- Foster strategic thinking on managing data across enterprise systems

Course Outline

- **DAY 01**

Introduction to Data Management and DAMA Framework:

- ◦ The need for structured data management in organizations
- ◦ Overview of DAMA International and the CDMP certification
- ◦ The DAMA-DMBOK2 framework and its 11 knowledge areas
- ◦ Data lifecycle and value chain
- ◦ Role of a data management professional
- ◦ Relationship between data strategy and business goals
- ◦ Overview of data ethics and data-driven culture

Data Governance:

- ◦ Definition and principles of data governance
- ◦ Key roles: data stewards, data owners, governance boards
- ◦ Policies, standards, and procedures
- ◦ Accountability and decision rights
- ◦ Data governance maturity models
- ◦ Aligning governance with compliance and regulations

- **Day 02**

Data Architecture:

- ◦ Fundamentals of data architecture design
- ◦ Enterprise architecture and data alignment
- ◦ Reference architecture models and frameworks
- ◦ Logical vs. physical architecture
- ◦ Data modeling standards and methodologies
- ◦ Architecture governance and scalability

- Role of cloud computing in modern data architecture

Data Modeling and Design:

- Conceptual, logical, and physical data models
- Entities, attributes, relationships, and constraints
- Normalization and denormalization theory
- Modeling for operational vs. analytical systems
- Use of metadata in design documentation
- Data modeling tools and notations
- Business rules and their integration with design

- **Day 03**

Data Storage and Operations:

- Database types: relational, NoSQL, object-based
- Concepts of indexing, partitioning, and storage optimization
- Data backup and recovery strategies
- High availability and disaster recovery
- Lifecycle management for data retention
- Data replication and storage compliance
- Operational metadata and monitoring

Data Security and Privacy:

- Theoretical foundations of data security
- Confidentiality, integrity, and availability (CIA triad)
- Access controls and encryption techniques

- Data masking, anonymization, and pseudonymization
- Regulatory requirements: GDPR, HIPAA, etc.
- Risk management and incident response
- Security policies and training programs

• Day 04

Data Integration and Interoperability:

- The role of integration in enterprise architecture
- Batch vs. real-time data processing
- Data pipelines and middleware concepts
- API-based integration frameworks
- Data virtualization and federation
- Challenges in achieving interoperability

Master and Reference Data Management (MDM/RDM):

- Definitions and distinctions between master and reference data
- Business drivers for MDM implementation
- Hierarchies and data domains
- Governance models for MDM
- Reference data lifecycle and versioning
- MDM architecture: registry, consolidated, and co-existence
- Matching, merging, and survivorship rules

• Day 05

Data Quality Management:

- Dimensions of data quality: accuracy, completeness, timeliness
- Root causes of data quality issues
- Quality assessment frameworks
- Data profiling and data cleansing techniques
- Metrics and KPIs for quality management
- Embedding quality into data lifecycle
- Building a data quality culture

Metadata and Final Exam Preparation:

- Types of metadata: business, technical, operational
- Metadata management strategies
- Metadata repositories and catalogs
- Role of metadata in discovery and governance
- Final exam review: CDMP exam structure and sample questions
- Tips for successful CDMP exam completion

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 9, 2025	June 13, 2025	5 days	4250.00 $	UAE - Dubai
Nov. 3, 2025	Nov. 7, 2025	5 days	4250.00 $	UAE - Dubai

FROM	TO	DURATION	FEES	LOCATION
Aug. 18, 2025	Aug. 22, 2025	5 days	4250.00 $	UAE - Dubai