

Data Warehousing & Business Intelligence for Certification

Includes Big Data & Data Science



Course Duration	3 consecutive days, 5 weeks access to practice quizzes
Format	Lecture, Quizzes, Exam technique and Practical exercises
Classroom Materials	Course notes, Practice Quizzes, Templates
Delivery	CDMP® Master Certified Trainer
Class Size	8 to 20 participants



The Data Warehousing & Business Intelligence for Certification course covers all aspects of a Data Warehousing & Business Intelligence Professional's responsibilities, as well as preparing them to confidently take the CDMP Data Warehousing & Business Intelligence Specialist exam. The course explains the Data Warehousing, Business Intelligence, Big Data and Data Science chapters in the DMBOK, including use cases and examples, as well as connecting concepts to the related aspects in the other Data Management Functions.

Learning Objectives & Outcomes Mapping (Bloom's Taxonomy)

At the end of the course participants will be able to:

Course Objective	Bloom's Taxonomy Level	Explanation
Answer the CDMP Data Warehousing & Business Intelligence Specialist Exam with confidence	Applying	Demonstrates the ability to use knowledge in a practical, exam-based context.
Understand the drivers, principles and purpose of Data Warehousing, Business Intelligence, Big Data and Data Science	Understanding	Involves comprehension and interpretation of key concepts.
Be familiar with the content of the DMBOK with regards to Data Warehousing, Business Intelligence, Big Data and Data Science	Remembering	Focuses on recalling and recognizing foundational content.
Recognise the relationship between Data Warehousing, Business Intelligence, Big Data and Data Science and the other Data Management Functions.	Analyzing	Requires identifying connections and relationships between concepts.
Capable of applying Data Warehousing facts, rules, concepts, ideas & activities to create the deliverables described in the DMBOK	Creating	Involves synthesizing knowledge to produce structured outputs.

Course Outline

Day 1: Introduction
 Pre-Assessment
 Course Introduction – Why Analyse? Goals and Business Drivers
 DW&BI – DMBOK Chapter 11- Essential concepts DW&BI
 BD&DS – DMBOK Chapter 14 - Essential Concepts BD&DS
 Context Diagrams

Day 2: DW&BI, BD&DS Architectures and Technologies
 Activities and Implementation for DW&BI
 Activities and Implementation for BD&DS
 Techniques

Day 3:
 Implementation guidelines for DW&BI and BD&DS
 Metrics, Governance
 Business Measurement Framework, Decision-Making Framework
 Digital Decisioning
 Data Lineage Management, Data-Value Chain
 Semantics & Ontologies, Infonomics
 Exam Preparation
 Post-Assessment

The benefits of attending the Data Warehousing Course are:

- Stay Compliant: Learn how to design and manage data warehouses that support business goals and meet regulatory requirements.
- Make Better Decisions: Understand how business intelligence tools and data models improve reporting and decision-making.
- Clarify Roles: Define responsibilities for managing data and analytics, improving collaboration between business and IT.
- Promote Data-Driven Culture: Build skills to support a culture of using data for insights, innovation, and continuous improvement.

Who should attend?

- All Data Professionals involved in Business Intelligence, Data Warehousing, Data Marts and Data Lakes
- Data Engineers, DBAs
- Data Scientists
- Anyone wishing to write the CDMP Data Warehousing & Business Intelligence exam