Module 1 - Data Integration Strategy
- What Is Data Integration Strategy?
  - Strategy Defined
  - Data Integration Strategy Defined
- Elements of Data Integration Strategy
  - Data Consumers and Data Sources
  - Data Integration Processes
  - Data Stores
  - Access and Navigation
  - Control Objectives
  - The Big Picture
- Creating Data Integration Strategy
  - Goals and States
  - Analysis
- Applied Data Integration Strategy
  - Planning and Projects
  - Data Governance

Module 2 - Data Integration Architecture
- What Is Data Integration Architecture?
  - Architecture Defined
  - Data Integration Architecture Defined
- Integration Patterns
  - Methods of Information Sharing
  - Shared Databases and Replication
  - Gateways and Portals
  - Entity Aggregation
  - Data Services
  - Data Services & Messaging
  - Publish and Subscribe, File Transfer
  - Virtualization
  - Virtualization and Federation
- Architecture Concepts and Components
  - Constructs in Data Integration Architecture
  - Reference Architecture

Module 3 - Creating Data Integration Architecture
- Data Sources
  - Source Systems
  - Structural Variations
  - Source Data Locations and Technologies
- Data Flow
  - Data Acquisition
TDWI Data Integration Principles and Practices: Creating Information Unity from Data Disparity

Course Outline

- Data Integration Functions
- Data Stores
- Data Integration Methods
- Data Delivery
- Metadata Flow

- Data Consumers
  - People
  - Applications
  - Requirements

- Architecture Design and Definition
  - Define the End Points
  - Structure the Middle
  - Define Data Access
  - Architecture Validation

- Data Integration Approaches
  - Many Types and Levels of Integration
  - ETL/ELT
  - Streaming
  - Virtualization
  - Federation
  - Big Data Integration
  - Self-Service Integration
  - Cloud Integration
  - Hybrid Integration

Module 4 - Using Data Integration Architecture

- Systems and Data Integration Architecture
  - Existing Systems
  - New Systems

- Development and Data Integration Architecture
  - Requirements Analysis
  - Design and Construction
  - Testing

- Management and Data Integration Architecture
  - Management and Governance
  - Change Management
  - Support and Operations

- Next Steps
  - What Will You Do Next?