You Will Learn To:

- Describe SQL Server 2000 elements
- Design a SQL Server enterprise application architecture
- Describe the conceptual basis of programming in Transact-SQL
- Create and manage databases and their related components
- Implement data integrity by using the IDENTITY column property, constraints, defaults, rules, and unique identifiers
- Plan for the use of indexes; Create and maintain indexes
- Create, use, and maintain data views
- Implement user-defined functions
- Design, create, and use stored procedures
- Create and implement triggers
- Program across multiple servers by using distributed queries, distributed transactions, and partitioned views
- Optimize query performance and analyze queries
- Manage transactions and locks to ensure data concurrency and recoverability

Recommended Prerequisites:

Before taking this course, we recommend that learners complete the following courses or have the following experience:

- Courses 2051, 2052, 1609, 2071.

Course Length:

- 5 days

COURSE OVERVIEW:

- Module 1: SQL Server Overview
- Module 2: Overview of Programming SQL Server
- Module 3: Creating and Managing Databases
- Module 4: Creating Data Types and Tables
- Module 5: Implementing Data Integrity
- Module 6: Planning Indexes
- Module 7: Creating and Maintaining Indexes
- Module 8: Implementing Views
- Module 9: Implementing Stored Procedures
- Module 10: Implementing User-defined Functions
- Module 11: Implementing Triggers
- Module 12: Programming Across Multiple Servers
- Module 13: Optimizing Query Performance
- Module 14: Analyzing Queries
- Module 15: Managing Transactions and Locks

LAB OVERVIEW:

- Lab 1: SQL Server Overview
- Lab 2: Overview of Transact-SQL
- Lab 3: Creating and Managing Databases
- Lab 4: Creating Data Types and Tables
- Lab 5: Implementing Data Integrity
- Lab 6: Determining the Indexes of a Table
- Lab 7: Creating and Maintaining Indexes; Viewing Index Statistics
- Lab 8: Implementing Views
- Lab 9: Creating Stored Procedures
- Lab 10: Creating User-defined Functions
- Lab 11: Creating Triggers
- Lab 12: Using Distributed Data
- Lab 13: Optimizing Query Performance
- Lab 14: Analyzing Queries That Use the AND and OR Operators; Analyzing Queries That Use Different Join Strategies
- Lab 15: Managing Transactions and Locks

Pricing:

5-day instructor-led course
Instructor-led at customer location

SKU
902-4709

Price
$13,500 (limited to 10 students)

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