

# Microsoft SQL Server Introduction

Create and administer SQL Server databases  
Write T-SQL queries and work with the BI stack  
Hands-on, 4-day introductory course

## Facilities

- Class hours
- Building hours
- Restrooms
- Meals

## About This Course

- Audience
  - Beginners who are new to Microsoft SQL Server
  - Anyone who needs a practical introduction to databases, T-SQL and BI
- Course Prerequisites
  - No prior SQL Server experience required
- Course Objectives
  - Create and administer SQL Server databases
  - Write Transact-SQL queries to retrieve and manipulate data
  - Secure, back up and monitor databases with Management Studio
  - Integrate SQL Server with Microsoft Office
  - Transform data into strategic information using BI components

## What you can expect

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  - 4-day instructor-led, hands-on training
  - Focus on tools in the SQL Server platform, including Integration Services, Analysis Services and Reporting Services

## Course Outline

- Module 1: Introducing SQL Server
  - Overview of the SQL Server suite of products
  - Fundamentals of the relational database engine
  - Benefits of the Business Intelligence stack and SQL Server tools
- Module 2: Building the Database
  - Designing and creating relational databases
  - Defining tables, data types, indexes and constraints
- Module 3: Leveraging Server Programmability
  - Retrieving and modifying data with Transact-SQL
  - Using stored procedures, functions and triggers

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- Module 3: Leveraging Server Programmability
  - Retrieving and modifying data with Transact-SQL
  - Using stored procedures, functions and triggers
- Module 4: Administering SQL Server Databases
  - Maintenance, backup, integrity checks and performance monitoring
  - Securing logins, users, roles and permissions

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- Module 4: Administering SQL Server Databases
  - Maintenance, backup, integrity checks and performance monitoring
  - Securing logins, users, roles and permissions
- Module 5: Integrating External Applications
  - Connecting SQL Server with Microsoft Office (Excel, Access)
  - Importing and exporting data, migrating from Access

## Course Outline

- Module 6: Business Intelligence
- • Report Builder, Power Pivot
- • Analysis Services