

SQL250: Transact-SQL for Developers

Price: 2795

Duration: 5 days

Delivery Methods: Virtual

Overview

During this 5-day course, students will learn Transact-SQL as implemented in SQL Server 2008, 2012 and 2014. The course starts by establishing a foundation understanding of database concepts and terminology. Students are then prepared to use various Microsoft tools to submit queries and view the result.

Following a logical process for creating SQL queries from business requirements, students learn how to write a query based on the way SQL Server processes the SQL statement. This differs from most courses, which present SQL as a set of features. This approach uses the natural way of breaking down the problem into a logical set of steps. Each step can be validated before moving to the next step.

Finally, the course teaches the student how to use T-SQL statements inside common database objects like Views, Stored Procedures and User-Defined Functions.

Lectures that highlight and explain T-SQL concepts are reinforced with extensive demonstrations and hands-on labs.

Audience Profile

This course is intended for SQL Server Developers, Database Administrators, and System Engineers who are responsible for writing T-SQL queries for an application

At Course Completion

After attending this course, students will be able to:

- Describe the objects that make up a database, data relationships within the database and how databases guarantee uniqueness of defined objects.
- Understand different sublanguages of SQL.
- Use the SQL Server Management Studio
- Write a simple SELECT statement, returning all the columns and rows.
- Formulate and write a meaningful join strategy to bring together all necessary data.
- Utilize a subquery to reshape data before using it in a query
- Write a WHERE clause to filter the rows
- Control the display of data
- Write Transact-SQL queries and aggregated values
- Define the attributes of a database transaction and generate a result set
- Create a database view and in-line table value functions and execute simple scalar/multi-statement user-defined functions
- Write procedural logic for Stored Procedures and User-defined Functions

Outline

1. Database Concepts
2. Using the Tools
3. Getting the Data
4. Filtering the Data
5. What to Display
6. Aggregating the Data
7. Modifying the Data
8. Modules
9. Procedural Logic

Prerequisites

Before attending this course, students should have familiarity with programming and developing software using any language.

Course Schedule

Date	Time	Price	Options
06/01/2026	09:00 AM - 05:00 PM CT	2,795.00	Buy Now Enroll
11/30/2026	09:00 AM - 05:00 PM CT	2,795.00	Buy Now Enroll

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FAQ

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What is your late policy?

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What happens when I finish my class?

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