

## Course duration

- 2 days

## Course Benefits

- Use SQL Server query tools
- Write SELECT statements to retrieve columns from one or more tables
- Sort and filter selected data
- Use built-in functions to returned data values
- Create groups of data and aggregate the results
- Modify data with Transact-SQL using INSERT, UPDATE, DELETE and MERGE

### Available Delivery Methods

#### Public Class

Public expert-led online training from the convenience of your home, office or anywhere with an internet connection. Guaranteed to run .

#### Private Class

Private classes are delivered for groups at your offices or a location of your choice.

### Microsoft Certified Partner

Webucator is a Microsoft Certified Partner for Learning Solutions (CPLS). This class uses official Microsoft courseware and will be delivered by a Microsoft Certified Trainer (MCT).

## Course Outline

1. Getting Started with Transact-SQL
  1. Introduction to Transact-SQL
  2. Using the SELECT statement
  3. Lab: Get started with SQL Server query tools and writing queries in T-SQL
2. Sorting and Filtering Query Results
  1. Sorting query results
  2. Filtering the data
  3. Lab: Sort and filter data returned by SELECT queries
3. Using Joins and Subqueries

1. Using JOIN operations
2. Using subqueries
3. Lab: Write queries with JOIN operations
4. Lab: Write SELECT statements using subqueries
4. Using Built-in Functions
  1. Getting started with scalar functions
  2. Grouping aggregated results
  3. Lab: Built-in functions
5. Modifying Data
  1. Inserting data into tables
  2. Modifying and deleting data
  3. Lab: Modify data

## Class Materials

Each student will receive a comprehensive set of materials, including course notes and all the class examples.

### Class Prerequisites

Experience in the following *is required* for this SQL Server class:

- Working knowledge of relational databases.
- Basic knowledge of the Microsoft Windows operating system and its core functionality.