

Fundamentals of SQL Querying

Price: 995

Duration: 2 days

Delivery Methods: Virtual

Overview

In this 2-day instructor led course students will learn what SQL is and how it can help them query a database to answer business questions. This course will combine instructor-led, group-paced, classroom-delivery learning model with structured hands-on activities. Students will learn how to use SQL statements to query a database. Lesson objectives help students become comfortable with the course, and also provide a means to evaluate learning.

Audience Profile

Individuals with basic computer skills, familiar with concepts related to database structure and terminology, and who want to use SQL to query databases

At Course Completion

After completing this course, students will be able to:

- connect to the SQL Server database and execute a simple query
- include a search condition in a simple query
- use various functions to perform calculations on data
- organize data obtained from a query before it is displayed on-screen
- retrieve data from tables
- format an output, save a result, and generate a report

Outline

Lesson 1: Executing a Simple Query

- Topic 1A: Connect to the SQL Database
- Topic 1B: Query a Database
- Topic 1C: Save a Query
- Topic 1D: Modify a Query
- Topic 1E: Execute a Saved Query

Lesson 2: Performing a Conditional Search

- Topic 2A: Search Using a Simple Condition
- Topic 2B: Compare Column Values
- Topic 2C: Search Using Multiple Conditions
- Topic 2D: Search for a Range of Values and Null Values
- Topic 2E: Retrieve Data Based on Patterns

Lesson 3: Working with Functions

- Topic 3A: Perform Date Calculations
- Topic 3B: Calculate Data Using Aggregate Functions
- Topic 3C: Manipulate String Values

Lesson 4: Organizing Data

- Topic 4A: Sort Data
- Topic 4B: Rank Data
- Topic 4C: Group Data
- Topic 4D: Filter Grouped Data
- Topic 4E: Summarize Grouped Data
- Topic 4F: Use PIVOT and UNPIVOT Operators

Lesson 5: Retrieving Data from Tables

- Topic 5A: Combine Results of Two Queries
- Topic 5B: Compare the Results of Two Queries
- Topic 5C: Retrieve Data by Joining Tables
- Topic 5D: Check for Unmatched Records
- Topic 5E: Retrieve Information from a Single Table Using Joins

Lesson 6: Presenting Query Results

- Topic 6A: Save the Query Result

- Topic 6B: Generate an XML Report

Prerequisites

Before attending this course, students should have:

- Basic end-user computer skills and some familiarity with database terminology and structure are required
- The following courses or equivalent knowledge and skills are highly recommended:
 - Windows
 - Relational Databases Design (Second Edition)
 - Access: Designing a Database

Course Schedule

Date	Time	Price	Options
07/06/2026	08:00 AM - 04:00 PM CT	995.00	Buy Now Enroll
08/11/2026	08:00 AM - 04:00 PM CT	995.00	Buy Now Enroll
09/09/2026	08:00 AM - 04:00 PM CT	995.00	Buy Now Enroll

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FAQ

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Ten (10) business days' notice is required to reschedule a class with no additional fees. Notify TOPTALENT LEARNING as soon as possible at 469-721-6100 or by written notification to info@toptalentlearning.com to avoid rescheduling penalties.

How do I enroll for this class?

Please contact our team at 469-721-6100; we will gladly guide you through the online purchasing process.

What happens once I purchase a class?

You will receive a receipt and an enrollment confirmation sent to the email you submitted at purchase. Your enrollment email will have instructions on how to access the class. Any additional questions our team is here to support you. Please call us at 469-721-6100.

What is your late policy?

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

What happens when I finish my class?

You will receive a 'Certificate of Completion' once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.