

# Introduction to Transact-SQL 5 day (DP-080 Replacement)

**Price:** 2795

**Duration:** 5 days

**Delivery Methods:** Virtual

## Overview

Looking for DP-080T00? Look no further than our SQL101v2 training. This course takes everything from DP-080T00 and expands on it without having to cram it into two days. Take advantage of DP-080T00 pricing today!

In this course, you'll master the skills needed to write Transact-SQL SELECT statements accessing one or more tables. You'll also learn the various techniques for combining data, filtering the results and how to control and format the statement output.

You'll gain a foundation understanding of a SQL Server database and use the tools available to discover the database definition, submit queries and view results.

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

Class lectures highlight and explain Transact-SQL concepts which are reinforced with extensive follow-along demonstrations and hands-on labs.

## Audience Profile

This course is intended for Business Analysts, System Administrators, Database Administrators and other professionals with no programming or SQL experience. This course is valuable for anyone who needs to learn how to write a SELECT statement to access SQL Server databases.

## **At Course Completion**

- Use the SQL Server Management Studio tool to browse the definition of the database, find necessary object names, create database diagrams, and execute a SQL query to return data rows.
- Write a simple SELECT statement, returning all the columns and rows and formulate meaningful join strategy to bring together all necessary data.
- Write a WHERE clause to filter the rows based on equality, a list of values, a range of values and a wildcard character condition.
- Understand the impact on filtering based on implicit data conversions using data type precedence and how to create a proper search argument.
- Control the display of data in a SQL SELECT including renaming columns, using simple expressions with function to change output values, conditionally change the output values using CASE expressions, sort the result set, eliminate duplicate rows and control the number of rows returned.
- Write Transact-SQL queries that aggregate values across rows based a group and filter the result set based on aggregated values.

## **Outline**

### Module 1: Discovering the Database

Lessons:

- Basic Table Metadata
- Foundations of Relationships of Data Modeling
- Relationships in Data Modeling
- Database Diagramming
- Preparing to Write SQL

### Module 2: Accessing Tables

Lessons:

- The Basic SELECT

- Introducing Joins: Single Join Queries
- Multiple Join Queries

### Module 3: Filtering the Data

Lessons:

- Basic Filtering
- Complex Filtering
- Advanced Filtering

### Module 4: Displaying Data

Lessons:

- Defining the Result Set
- Manipulating Numbers and Data Types
- Controlling Output Rows

### Module 5: Aggregating Data

Lessons:

- Grouping Data

### Module 6: Modifying the Data

Lessons:

- Inserting Data
- Deleting Data
- Updating Data

### **Prerequisites**

- Ability to work with the Windows operating system
- Windows login, startup of applications and programs, menu and toolbar manipulation skills
- Basic knowledge of the purpose of a database

### **Course Schedule**

Date	Time	Price	Options
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## FAQ

**What if I have to reschedule my class due to conflict?**

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](mailto: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.