

# SQL Server 2008 for Developers

**Course Length:** 5 days

**Price:** \$2,500

## Summary

Students will learn the basics of using SQL Server to store and retrieve data. Also students will learn the basics of SQL syntax and a quick introduction to administration of SQL Server databases.

## Who Should Attend?

Students should be familiar with basic programming techniques and have familiarity with .NET programming techniques.

## Course Outline

### Introduction to SQL

- Introduction to relational databases and SQL
- Using SQL Management Studio

### Essential SQL skills

- Retrieve data from a single table
- Retrieve data from two or more tables
- Code summary queries
- Code subqueries
- Insert, update, and delete data
- Work with data types and functions

### Database design and implementation

- Design a database
- Create and maintain databases and tables with SQL statements
- Use Management Studio for database design

## Advanced SQL skills

- Work with views
- Code scripts
- Code stored procedures, functions, and triggers
- Work with cursors
- Manage transactions and locking
- Manage database security
- Work with XML
- Work with BLOBs

## CLR integration

- Introduction to CLR integration
- Code CLR stored procedures, functions, and triggers
- Code aggregate functions and user-defined types