

# SQL Server

## SQL Server Master's Program



Comprehensive and integrated Microsoft SQL Server training covering key technologies needed for individuals looking to make the transition to this new world of database development.

During this program, you will learn to query and program MS SQL Server 2008. You will also learn SQL Server Integration Services and SQL Server Reporting Services.

Topics covered include:

- Querying using SQL Server 2008
- Programming using SQL Server 2008
- Advanced Querying and Programming using SQL Server 2008
- SQL Server 2008 Integration Services
- SQL Server 2008 Reporting Services

Curriculum subject to change

### Career Development

Candidates enrolled in The Master's Program receive critical job search and personal marketing strategies to increase their visibility, employability, and career resiliency.

In addition, SetFocus markets Master's Program candidates directly to its network of hiring partners and recruiters facilitating introductions, interviews, and follow up.

For enrollment information contact an Admissions Representative at **1-866-91-TRAIN**.

# SQL Server Curriculum

## Topic 1 - Writing Queries using MS SQL Server 2008 T-SQL

- Querying, Filtering, Grouping and Summarizing Data
- Joins and Subqueries
- Modifying Data in Tables
- Querying Metadata, XML, and Full-Text Indexes
- Using Programming Objects for Data Retrieval and Querying Techniques

## Topic 2 - Implementing a Microsoft SQL Server 2008 Database

- Create databases and database files
- Create data types, tables and Indexes
- Implementing Data Integrity by Using Constraints and Triggers
- Using XML
- Implementing Views, Stored Procedures, Functions, Managed Code
- Managing Transactions and Locks
- Using Service Broker

## Topic 3 - SQL Programming Project

## Topic 4 - Advanced SQL Querying and Programming

- SQL 2005 and SQL 2008 new features workshop
- Hierarchies, Recursive querying, Spatial data
- Working with dates, Concurrency and locking
- Query performance tuning, Database security and encryption

## Topic 5 - Implementing and Maintaining Microsoft SQL Server 2008 Integration Services

- Developing Integration Services Solutions
- Implementing Control Flow, Data Flow, Logging
- Debugging and Error Handling
- Implementing Checkpoints and Transactions
- Configuring, Deploying, Managing and Securing Packages

## Topic 6 - Implementing and Maintaining Microsoft SQL Server 2008 Reporting Services

- Basic Reports
- Manipulating Data Sets, using Report Models
- Publishing and Executing Reports, using Subscriptions
- Administering and Programming Reporting Services

## Topic 7 - SSIS/SSRS Project

## Topic 8 - Final Project & Graduation

Full-Time SQL Master's Program - 8 Weeks

Part-Time Evening SQL Master's Program - 24 Weeks