

# 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

The Master's Program uses customized training materials enhanced with exclusive, tailored content which includes exams, labs, and projects designed to test appropriate knowledge transfer.

### Career Development

Candidates enrolled in the Master's Program receive critical job search and personal marketing counseling 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 a Recruiting Specialist at **1-866-91-TRAIN**

**Microsoft**  
**GOLD CERTIFIED**  
Partner

# SQL Server

www.setfocus.com

# SQL Server Curriculum

## Topic 1 – RDBMS Concepts

- Introduction to Database Management System
- The Relational Model
- Data Modeling & Normalization
- Data Integrity & Advanced Database Objects

## Topic 2 - Writing Queries using MS SQL Server 2008 T-SQL

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

## Topic 3 - Implementing a Microsoft SQL Server 2008 Database

- Creating databases, database files, data types & tables
- Creating & Tuning Indexes
- Implementing Data Integrity by Using Constraints & Triggers
- Implementing Views, Stored Procedures, Functions & Managed Code
- Managing Transactions & Locks

## Topic 4 - SQL Programming Project

## Topic 5 - Advanced SQL Querying & Programming

- SQL 2005 & SQL 2008 new features workshop
- Hierarchies, Recursive Querying & Spatial Data
- Working with dates, concurrency & locking
- Query performance tuning, Database security & encryption

## Topic 6 - Microsoft SQL Server 2008 Integration Services

- Control Flows & Data Flows
- Variables, Configurations, Error logging & handling
- Package Deployment & Management
- Scripting & custom components

## Topic 7 - Microsoft SQL Server 2008 Reporting Services

- Creating Tabular, List Reports, Matrix Reports & Charts
- Calculation, Formatting, Grouping, Sorting & Parameterizing reports
- Security, Snapshots & Subscriptions
- Ad-Hoc Reporting with Report Builder 2.0

## Topic 8 - SSIS/SSRS Project

## Topic 9 - SQL MP Final Project

Full-Time SQL Master's Program – 9 Weeks  
Part-Time Evening SQL Master's Program – 27 Weeks