



Microsoft® SQL Server® 2005: Core

Instructors: **Andy Baron** is a nationally recognized industry expert specializing in SQL Server, ADO.NET and SQL Server Business Intelligence. Andy is a Microsoft MVP (Most Valued Professional), an author and editor for some of the industry's top publications, and a sought-after speaker and consultant.

Don Kiely is a nationally recognized author, instructor and consultant who travels the country sharing his expertise in SQL Server and security. He is a featured speaker at SQL Server conferences and specializes in security as it relates to databases and application development.

Target Audience/Prerequisites: This course does not require any prior experience with Microsoft SQL Server or with .NET programming. However, several modules do include examples of .NET code. Students without any prior programming experience may find the code difficult to understand, but these sections comprise a very small portion of the course. The code samples for these sections appear in both Visual Basic and Visual C# versions

Total Learning Time: 9-27 hours

Media run time is 9+ hours, total learning time could be up to 27 hours if the courseware, labs and exams are utilized. This course can also be used as quick reference material, with the ability to access just the information you need in a matter of minutes.

Course Description: SQL Server 2005 includes a rich set of tools that go beyond the basics of querying and manipulating data. In this course, you'll learn about the features that are available in SQL Server; how to design and create a database; and how to build basic queries using Transact-SQL, the language of SQL Server. You'll learn about the new enhancements to the Transact-SQL programming language and how programmers can now use .NET languages like C# and Visual Basic to build database objects.

Course Outline:

A Tour of SQL Server 2005

- SQL Server 2005 Editions, Components, and Tools
- Using SQL Server Management Studio (SSMS)
- Working with Tables and Queries
- New Transact-SQL Features
- Business Intelligence Services

Installing SQL Server 2005

- Preparing for Installation
- Upgrading an Earlier Version
- Installation Steps
- Configuring the Server

Designing and Creating a Database

- Relational Database Design Principles
- Implementing the Design

Data Selection Queries

- Understanding Transact-SQL
- The SELECT Statement
- The WHERE Clause
- Using ORDER BY to Sort Data
- The GROUP BY Clause
- Joining Tables

Modifying Data

- Modifying Data
- Inserting Data
- Updating Data
- Deleting Data
- Understanding Transaction Isolation

Working with SQL Server Management Studio

- Getting Started with SSMS
- Exploring the Object Explorer
- Working with the Query Editor
- Using SQL Server Books Online

Number of Modules	Media Run Time	Total Learning Time	Printable PDF Courseware*	Hands-on Labs	Sample Code	Pre/Post Exams	Supports Microsoft Exam Number
8 Modules	9+ hours	9-27 hours	250+ Pages	Yes	Yes	Yes	70-431

* Professionally printed, bound courseware (student manuals) are available. Ask for details.