

# Software

## Microsoft SQL Server for FactoryTalk Introduction Course Description

### COURSE AGENDA

#### *Day 1*

- Introduction
- Administration
- Databases
- Tables
- Indexes
- Views
- Stored procedures

#### *Day 2*

- Triggers
- Functions
- Integration Services
- Security
- Maintenance
- Reporting Services



### COURSE NUMBER: RS-MSSQLB

#### *Course Purpose*

This course provides you with the technical skills required to implement a database solution with Microsoft® SQL Server™ client/server database management system.

Upon completion of this course, you will be able to:

- Describe the elements of Microsoft SQL Server and the environments in which it can operate.
- Describe the elements of the Transact-SQL language.
- Describe and configure the data storage architecture of SQL Server.
- Create and manage files, file groups, databases, tables, and transaction logs.
- Enforce data integrity using constraints, defaults, and rules.
- Create and maintain indexes.
- Write queries that retrieve and modify data using joins and sub queries.
- Create views of data.

### ***Who Should Attend***

Individuals who will use FactoryTalk software as the database solution for projects used in conjunction with Microsoft SQL Server client/server database management system should attend this course.

### ***Prerequisites***

To successfully complete this course, the following prerequisites are required:

- Experience using the Microsoft Windows Server operating system
- Have taken at least a basic Programmable Controller course.

### ***Technology Requirements***

All technology is provided for student use in the classroom by Rockwell Automation. It is not necessary for students to bring any technology with them when attending this course.

### ***Student Materials***

To enhance and facilitate your learning experience, the following materials are provided as part of the course package:

- *Student Manual*, which contains the key concepts, definitions, and examples presented in the course and includes the hands-on exercises.
- *Microsoft SQL SERVER 2005 IMPLEMENTATION and Maintenance*, MCTS Self-Paced Training Kit (70-431).

### ***Hands-On Practice***

Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises. These exercises focus on the skills introduced in each lesson.

### ***Hands-On Practice (cont.)***

To complete the exercises, you will use Microsoft SQL 2005 Standard. Because the basic skills taught in the course apply to all SQL 2005 platforms, you can then apply what you have learned to the specific platform that you use in your plant.

### ***Next Learning Level***

Once you have mastered the maintenance and troubleshooting skills covered in this course, you may want to attend specific network maintenance training, such as:

- RS-FTTM FactoryTalk Transaction Manager
- RS-FTMHCC FactoryTalk Metrics with Historian Classic Configuration

### ***Course Length***

This is a 2-day course.

### ***Course Number***

The course number is RS-MSSQLB.

### ***To Register***

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

**[www.rockwellautomation.com](http://www.rockwellautomation.com)**

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