



Norwalk Community College
Continuing Education & Workforce Development
Prepare For
Microsoft Technology Associate (MTA) Certification

This certification is for those intending to build a career in data platform administration or business intelligence. MTA certification addresses a wide spectrum of fundamental technical concepts, assesses and validates your core technical knowledge, and enhances your technical credibility.

<u>Course</u>	<u>Total Hours</u>	<u>Total Sessions</u>	<u>Tuition*</u>	<u>Textbook</u>
Introduction to Relational Databases And MS SQL Server Programming	18	6	\$349	Additional Fee
Programming Relational Databases MS SQL Server	18	6	\$349	Additional Fee
Developing Applications with C# and MS SQL	18	6	\$349	N/A
MS SQL Server Advanced Topics	18	6	\$349	Additional Fee

*Tuition subject to change.

Please refer to the current Continuing Education & Workforce Development catalog for course specifics (description, tuition, start date, class time slot and location).

Introduction to Relational Databases and MS SQL Server Programming

This course covers basic concepts of relational database design and SQL Programming using Microsoft SQL Server 2012. Students will design normalized databases and be introduced to writing Stored procedures and Triggers to maintain data using MS SQL Server 2012.

Programming Relational Databases

This course covers programming concepts of relational databases and SQL Programming using Microsoft SQL Server 2012. Students will write Stored procedures, Views, Functions and T-SQL queries to work with data using MS SQL Server 2012.

Prerequisites: Introduction to Relational Databases or equivalent experience with Relational Databases)

Developing Applications with C# and SQL Server

This course introduces students who have basic knowledge of C# and Relational Databases to the next step in developing real world applications that leverage a Relational Database as the data repository. In today's world, this knowledge is essential for all programmers to have. Students will use their knowledge of C# and SQL Server to build more powerful applications, design programs and relational databases and learn how to integrate their C# code with the Stored Procedures, Tables and Functions to create programs that Read, Write and Update a relational database.

Prerequisite: Students have either taken C# and Introduction to Relational Databases or have experience with C# and Relational Databases.

Advanced Topics MS SQL Server

This course will cover advanced concepts of relational database and SQL Programming using Microsoft SQL Server 2012. Students will be introduced to Security configuration of SQL Server and to the concept of Users and Roles. Students will be introduced to generating reports of data in the database as well as using the powerful SSIS Data Transformation Services to build processes that manipulate large data sets.

Prerequisites: Introduction to Relational Databases or equivalent experience with Relational Databases).

Employment Related Information

Certificate holders can expect to find most of their employment opportunities in roles requiring

Job Search Keywords:

O*NET: A tool for career exploration and job analysis!

O*NET OnLine has detailed descriptions of the world of work for use by job seekers, workforce development and HR professionals, students, researchers, and more! <https://www.onetonline.org/> Type in Microsoft Office Specialist in "Keyword or O*NET-SOC Code"

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