

# Enhancing Your C#.NET Skills Using Visual Studio 2008 (5 days) GWE61090

GWE Course # 61090 (release 11/08)

5 Days

Published by GetWebEdge, Inc.

Available at: <http://www.TheMocAlternative.com>

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## ***Introduction***

This course provides students with the knowledge and skills to create programs using the C#.NET programming language. This course is designed for intermediate or higher programmers that are converting to C# and the .NET Framework.

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## ***Prerequisites***

- One year or more programming experience of any kind is helpful.
- Experience writing T-SQL statements (Select, Insert, Update, Delete) is helpful
- Familiarity with a Microsoft Windows operating system is helpful

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## ***Course Description***

At the end of this course, students will be able to create an application using the C#.NET language with Visual Studio 2008. They will also be able to use the language features and syntax of C#.NET, explain and use the concepts and terminology of object-oriented programming, create applications by using Microsoft Windows Forms, create Internet applications that use Web Forms and Web Services, create applications that use ADO.NET, create components (DLL's), and create setup and deployment.

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## ***Course Summary***

.NET Framework 2.0 and 3.5

Visual Studio 2008

Creating Windows Forms

Creating a Web Site Using ASP.NET Web Forms (Optional)

C# Basics

- C# Syntax

- Basic Coding in C#

- Value Types vs. Reference Types

- Arrays

- Casts

- Structures

- Classes

- Errors and Exceptions

Object Oriented

- Inheritance

- Interfaces

.NET Framework Classes including:

- Strings and Regular Expressions

Generics  
Collections  
Serialization  
Threading

Memory Management

Data Access

ADO.NET  
LINQ Overview  
LINQ to SQL  
LINQ to XML

.NET Remoting  
Windows Communication Foundation  
Web Services (optional)

SQL Server 2005 Essentials for programmers/developers