

Introduction to C# .NET using Visual Studio 2010

Course Length: 5 days

Price: \$2,500

Summary

This course uses Visual Studio 2010 for programmers new to C# or those upgrading from a previous version of C# or migrating from C++ or Java. The focus of this class is learning the language features of C# while developing Windows Forms applications. This course is a good entry point for experienced programmers that are new to .NET programming.

Who Should Attend?

Students should be familiar with using a structured programming language. If you are a beginning programmer, we recommend our "Introduction to Programming" class as a prerequisite course.

Course Outline

Introduction to C# Programming

- Introduction to Visual Studio
- Designing a Windows Forms Application
- Coding and Testing a Windows Forms Application

C# Language Essentials

- Working with Numeric and String Data
- Coding Control Structures
- Coding Procedures and Event Handlers
- Handling Exceptions and Validating Data
- Working with Arrays and Collections
- Working with Dates and Strings
- Working with Controls
- Debugging an Application



Database Programming

- Introduction to Database Programming
- Working with Data Sources and Datasets
- Binding and Bound Controls
- Using ADO.Net to Create Custom Data Access Code

Introduction to Object Oriented Programming

- Working with Default Properties, Events and Operators
- Inheritance
- Interfaces and Generics
- Organizing and Documenting Classes

Additional Skills

- Working with Files and Streams
- Working with XML
- Enhancing the User Interface
- Application Deployment