

5 Days

## 10550: Programming in Visual Basic with Microsoft Visual Studio 2010

In this course, you will learn Visual Basic language syntax, program structure, and implementation by using Microsoft Visual Studio 2010 and Microsoft.NET Framework 4.

### Course Objective:

On completion of this course, you will be able to describe/learn:

- Use of Microsoft Visual Basic and Visual Studio 2010 to build .NET Framework applications.
- Syntax of basic Visual Basic programming constructs
- Create, catch, handle, and throw exceptions
- Perform basic file I/O operations, manage visibility/lifetime of the members
- Use inheritance, manage lifetime objects, create and use new types
- Create properties and indexers
- Integrate code using dynamic languages
- And more

## Course Details

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### Course Outline

- Module 1: Introducing Visual Basic and the .NET Framework
- Module 2: Using Visual Basic Programming Constructs
- Module 3: Declaring and Calling Methods
- Module 4: Handling Exceptions
- Module 5: Reading and Writing Files
- Module 6: Creating New Types
- Module 7: Encapsulating Data and Methods
- Module 8: Inheriting from Classes and Implementing Interfaces
- Module 9: Managing the Lifetime of Objects and Controlling Resources
- Module 10: Encapsulating Data and Defining Overloaded Operators
- Module 11: Decoupling Methods and Handling Events
- Module 12: Using Collections and Building Generic Types
- Module 13: Building and Enumerating Custom Collection Classes
- Module 14: Using LINQ to Query Data
- Module 15: Integrating Visual Basic Code with Dynamic Languages and COM Components

### Who Should Attend

Professional developers having experience in Visual Basic, C, C++, Java and Object-oriented programming.

### Pre Requisite

- Developers must know visual basic language
- Minimum one-year experience with object oriented language

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