

Visual Studio 2008 and .NET 3.5 Using Visual Basic (3 Days)

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Visual Studio 2008 and .NET 3.5 Using Visual Basic (CTI 4020)

This version (.NET 3.5) of the Framework introduces the important data access technology, Language-Integrated Query (LINQ) along with significant enhancements to the Visual Basic language, largely intended to support LINQ.

Prerequisites: Programming experience in Visual Basic and version 2.0 of the .NET Framework; be familiar with Visual Studio 2005 development environment.

Minimum software requirements: Windows XP, Visual Studio 2008 Standard Edition or higher, and Microsoft .NET 3.5.

Minimum hardware requirement: Pentium PC running at 2 GHz; 512 Mb RAM; 4 GB free hard disk space before installation.

Microsoft PowerPoint and Internet access on instructor's workstation for presentation purposes.

Module 1: Visual Studio 2008

- .NET 3.0
- .NET 3.5
- Visual Studio 2008
- New Project Templates
- New Designers
- Versions of Visual Studio 2008
- A Tour of Visual Studio 2008
- Windows Presentation Foundation
- Multiple-Project Solutions

Module 2: New Features in Visual Basic

- Local Type Inference
- Object Initializers
- Array Initializers
- Anonymous Types
- Partial Methods
- Extension Methods
- Lambda Expressions
- Query Keywords

Module 3: Language-Integrated Query (LINQ)

- LINQ Overview
- LINQ to Objects
- LINQ to SQL
- LINQ to DataSet
- LINQ to XML

Module 4: Windows Communication Foundation (WCF)

- WCF Overview
- Addresses and Bindings
- Hosting
- Service Contracts
- Data Contracts

Module 5: Windows Workflow Foundation (WF)

- WF Overview
- Workflow Runtime
- Workflow Business Scenario
- Sequential Workflows
- Activities
- Runtime Services

Module 6: Windows Presentation Foundation (WPF)

- WPF Overview
- Extensible Markup Language (XAML)
- WPF Controls
- Layout
- Menus
- Dialogs