

27+ hours of instructor-led training!

# Visual Basic Programming with Visual Studio 2005

• CourseId: 199 • Skill level: 100-300 • Run Time:27+ hours (144 videos)

## Course Description

Our Microsoft Visual Basic 2005 training course features more than 30 hours of classroom-quality, instructor-led training on writing WinForm applications, console applications, and ASP.NET websites using Visual Basic as the language of choice.

## Table of Contents

- 1 - Getting Started with Visual Studio Express Editions
- 2 - Visual Studio 2005 - Installing and Working With the IDE
- 3 - Introduction to .NET and Visual Basic Concepts
- 4 - Writing Console Applications
- 5 - Intro to WinForm Development - Creating Windows Applications
- 6 - Introduction to ASP.NET Web Applications - Building Websites and Web Pages
- 7 - ASP.NET: Data Viewer Controls
- 8 - ASP.NET Master Pages, User and Server Controls
- 9 - ASP.NET Websites - Deployment, Maintenance and Using Web Servers
- 10 - Test Driven Development , Unit Testing, Agile and Extreme Programming
- 11 - Getting Started with SQL Server 2005
- 12 - Misc Topics That Don't Fit Anywhere Else

## Pricing and Multi-User Licensing

LearntFirst's courses are priced on a per user, per course basis. Volume discounts start for as few as five users. Please visit our website or call us at +1(877) 630-6708 for more information.

## Packages and Bundles Available

This course is part of our "Visual Studio 2005 Developer" package. This package features four courses and a savings of 25% off the retail price ("Buy 3 Get 1 Free").

# \$99.95

per user

- Purchasing this course allows you access to view and download the videos for one full year
- Course may be watched as often as necessary during that time

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## Who Is This Course Designed For?

Our Visual Basic course is designed for the beginner-intermediate - beginners will find a lot of great help here as will intermediate-level users.

## Pre-Requisites

It is recommended that you have at least a small amount of experience creating variables and working with another programming language (even as a novice)

## About the Instructor

Scott Whigham is the founder of LearnItFirst.com, one of the web's most extensive video training libraries focusing on technical training. Scott is also an experienced consultant, trainer, and author with more than a decade of hands-on experience working with SQL Server databases, writing and debugging applications using Visual Studio, and performance tuning. Scott designed the architecture (websites, class libraries, and database) for the LearnItFirst.com websites and, most recently, was involved in upgrading the websites and support applications from Visual Studio 2005 to Visual Studio 2008 and to SQL Server 2008.



Before founding LearnItFirst, Scott had been an independent consultant since 1998 focusing on SQL Server and .NET performance tuning and data warehousing. Scott has been asked to speak and train at events in the United States and Europe. As an author, Scott has written courses on SQL Server and C# and VB languages as well as popular articles for top-selling magazines and the MSDN (Microsoft Developer Network) library.

## Frequently Asked Questions

- *"How do I access the videos?"* You can access the videos 24/7 online via our website
- *"Do I have to have internet access to watch the videos?"* No! Users can download the videos to their hard drive.
- *"How long are the videos?"* The videos are broken into 10 minute task-oriented segments designed to teach you a single task
- *"How many videos are in a course?"* It depends on the topic; courses can have anywhere from 20 - 200 videos!

## For More Details

Visit <http://www.learnitfirst.com/Course/199/VB-2005.aspx> for more information and to watch free sample videos from this course.

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## Videos in this course:

### Chapter 1: Getting Started with Visual Studio Express Editions

Viewed?

- 1.1 - What Are the Express Editions?
- 1.2 - Installing Visual C# and Visual Basic Express Editions
- 1.3 - Using Visual Web Developer and SQL Server 2005 Express Editions Together
- 1.4 - Getting Comfortable with the Visual Web Developer Environment: Menus
- 1.5 - Understanding and Manipulating the Express Edition Tabbed Environment
- 1.6 - Updating and Patching Visual Studio Express Editions
- 1.7 - Migrating From Express Edition to Professional Edition
- 1.8 - Installing Visual Studio 2005 on Windows Vista
- 1.9 - Installing Service Pack 1 (SP1) on Windows Vista for the Visual Studio Express Editions
- 1.10 - Pt. 1 - Understanding the Different Filetypes and Items Available
- 1.11 - Pt. 2 - Understanding the New Item Options and Filetypes
- 1.12 - Pt. 3 - Understanding the New Item Options and Filetypes
- 1.13 - Pt. 1 - Installing Visual Web Developer 2005 Express Edition
- 1.14 - Pt. 2 - An Overview of the Project Types and Building Your First Website
- 1.15 - Pt. 3 - Understanding Webforms, .aspx Pages, and Codefiles
- 1.16 - Pt. 4 - An Overview of the Toolbox Items
- 1.17 - Pt. 5 - An Overview of the Toolbox Items

### Chapter 2: Visual Studio 2005 - Installing and Working With the IDE

- 2.1 - Installing the MSDN Documentation and Best Practices for Using MSDN
- 2.2 - Upgrading/Migrating Express Editions to VS2005 Professional/Standard/Team Suite Editions
- 2.3 - A Quick Look at a Few Free Visual Studio 2005 Add-Ins and Tools
- 2.4 - Pt. 1 - Installing Visual Studio 2005 Professional Edition
- 2.5 - Pt. 2 - Post Set-up Options, Service Pack Installation and Hotfixes
- 2.6 - Pt. 1 - An Overview of the Process of Installing SP1

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## Videos in this course:(cont.):

### Chapter 2: Visual Studio 2005 - Installing and Working With the IDE

Viewed?

2.7 - Pt. 2 - Installing the Service Pack and Verifying the Installation

2.8 - Pt. 1 - Installing VS2005 Team Suite Edition

2.9 - Pt. 2 - Installing VS2005 Team Suite Edition

### Chapter 3: Introduction to .NET and Visual Basic Concepts

3.1 - Tabs, Docking and Getting Comfortable With the Visual Studio IDE

3.2 - Templates - Project Templates and Item Templates

3.3 - VB Basics - Using Comments

3.4 - VB Basics - Expressions: What They Are and How to Use Them

3.5 - Pt. 1 - Writing If Statements and Boolean Tests

3.6 - Pt. 2 - Using the Logical And, Or, and Not Operators, Parentheses, and Else If

3.7 - Pt. 3 - More Expansive If Statements Using C# Generics and Select Case

3.8 - Tips for Writing Efficient If, Switch, and Select Case Statements

3.9 - Pt. 1 - How to Write to the Windows Application Event Log

3.10 - Pt. 2 - How to Create and Use a Custom Event Log

3.11 - Pt. 1 - An Introduction to Operators: Unary, Binary, Ternary, and More

3.12 - Pt. 2 - An Introduction to Operators: Unary, Binary, Ternary, and More

3.13 - Pt. 3 - Visual Basic Unary Operators

3.14 - Pt. 4 - Visual Basic Binary Operators: Arithmetic, Relational, Assignment, and Logical

3.15 - Pt. 5 - Logical Operators in VB.NET: And, Or, Xor, AndAlso, OrElse

3.16 - Pt. 1 - Namespaces: An Introduction to Namespaces in .NET

3.17 - Pt. 2 - Comparing C# and Visual Basic Namespaces: Default and Root namespaces

3.18 - Pt. 3 - Comparing C# and Visual Basic Namespaces: Default and Root namespaces

3.19 - Pt. 4 - Nesting Namespaces and Organizing Your Classes and Code

3.20 - Pt. 5 - .NET Namespace Best Practices and Do's and Don'ts

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## Videos in this course:(cont.):

### Chapter 3: Introduction to .NET and Visual Basic Concepts

Viewed?

- 3.21 - Pt. 1 - An Introduction to CAPTCHAs and the Various Options
- 3.22 - Pt. 2 - Using reCAPTCHA to Block Spam and Protect Content
- 3.23 - Pt. 3 - How to Configure reCAPTCHA for Use in Your Websites
- 3.24 - Pt. 4 - Using the ASP.NET Captcha Control
- 3.25 - Part 1 - What is .NET?
- 3.26 - Part 2 - What is .NET?
- 3.27 - Part 1 - Primitive Types in Visual Basic
- 3.28 - Part 2 - Primitive Types in Visual Basic
- 3.29 - Part 3 - Primitive Types in Visual Basic
- 3.30 - Part 4 - Primitive Types in Visual Basic
- 3.31 - Part 5 - Primitive Types in Visual Basic

### Chapter 4: Writing Console Applications

- 4.1 - Pt. 1 - Creating Our First Console Application Using Visual Basic and .NET
- 4.2 - Pt. 2 - Options for Command Line Arguments
- 4.3 - Pt. 3 - Examples Using My.Application.CommandLineArgs
- 4.4 - Pt. 4 - A Complete Example of How to Read Arguments and Parse Arguments
- 4.5 - Pt. 1 - An Introduction to Creating Console Applications Using Notepad.exe and vbc.exe
- 4.6 - Pt. 2 - More on Console Apps and Using Text Editors to Create Them
- 4.7 - Pt. 3 - Using Error Handlers and Try/Catch Blocks in Visual Basic

### Chapter 5: Intro to WinForm Development

- 5.1 - Pt. 1 - Creating the Project, Adding Items to the WinForm and More
- 5.2 - Pt. 2 - More Controls and Design-Time vs. Runtime
- 5.3 - Pt. 3 - Even More Controls and Adding Event Handlers

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## Videos in this course:(cont.):

### Chapter 5: Intro to WinForm Development

Viewed?

5.4 - Pt. 4 - Wiring Up Your Windows Application to Use SQL Server 2005

5.5 - Pt. 5 - Deploying Your Application With XCOPY Deployment and Setup Programs

### Chapter 6: Introduction to ASP.NET Web Applications

6.1 - Pt. 1 - Getting Started With Your First ASP.NET Website in Visual Basic

6.2 - Pt. 2 - Adding Objects and Working With Events, Properties and More

6.3 - Pt. 3 - An Overview of the Toolbox and Design-Time vs. Runtime

6.4 - Pt. 4 - Using Gridviews, SQL Server 2005, and Hacking Your Textboxes

6.5 - Pt. 5 - Using Javascript, CSS, Favicons and More

6.6 - Pt. 1 - ASP.NET Page Lifecycle and Page-Level Events: An Overview

6.7 - Pt. 2 - Discussing Load(Page\_Load), PreLoad, and LoadComplete

6.8 - Pt. 3 - The Final Page Events: PreRender, SaveStateComplete, Render, and Unload

6.9 - Pt. 4 - Understanding How AutoEventWireup Works

6.10 - Pt. 5 - Avoiding Common Pitfalls Often Seen When Using AutoEventWireup

### Chapter 7: ASP.NET: Data Viewer Controls

7.1 - Pt. 1 - An Introduction to the GridView and Using GridViews In Your ASP.NET Applications

7.2 - Pt. 2 - Pagination With the GridView

7.3 - Pt. 3 - Templates and GridViews: An Overview of EmptyDataTemplates, PagerTemplates and more

7.4 - Pt. 4 - Working With ItemTemplates in the GridView

7.5 - Pt. 5 - An Introduction to Using the SqlDataSource

7.6 - Pt. 6 - Customizing the SqlDataSource to Use Custom Helper Classes for Connection Strings

7.7 - Pt. 1 - GridView Essentials: Filtering a GridView/SqlDataSource Based On a DropDownList

7.8 - Pt. 2 - GridView Essentials: Filtering the GridView Based on a Calendar Control

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## Videos in this course:(cont.):

### Chapter 8: ASP.NET Master Pages, User and Server Controls

Viewed?

- 8.1 - Pt. 1 - Identifying and Creating Server Controls
- 8.2 - Pt. 2 - Adding Properties and Deploying Your Server Control
- 8.3 - Pt. 3 - How to Convert a Simple User Control Into a Server Control
- 8.4 - Pt. 1 - Why Do You Need to Consider Using Master Pages and User Controls?
- 8.5 - Pt. 2 - Creating User Controls and Master Pages
- 8.6 - Pt. 3 - How to Register Your User Control One Time For Use Across Your Entire Website

### Chapter 9: ASP.NET Websites - Deployment, Maintenance and more

- 9.1 - Installing and Configuring IIS on Windows XP to Run Python
- 9.2 - 1 - Using Cassini or IIS: An Overview of Web Server Options With ASP.NET Websites
- 9.3 - 2 - Installing IIS and Configuring Your ASP.NET Website on Windows XP
- 9.4 - 3 - Troubleshooting IIS Website Configurations, Part 1
- 9.5 - 4 - Troubleshooting IIS Website Configurations, Part 2
- 9.6 - 5 - Setting Your Web Site Options in IIS
- 9.7 - 6 - Understanding IIS Virtual Directories and Publishing Your Site
- 9.8 - 1 - An Overview of How to Deploy Your ASP.NET Websites and Using 'Publish Website'
- 9.9 - 2 - Web Application Projects - Installing, Deploying and Configuring
- 9.10 - 3 - Web Deployment Projects - Installing, Configuring, and Deploying ASP.NET Websites with WDPs
- 9.11 - 4 - Web Setup Projects - Creating and Configuring Your First Web Setup Project
- 9.12 - 5 - Using 'Copy Website' to Deploy Your ASP.NET Websites
- 9.13 - Pt. 1 - Installing and Configuring IIS7 on Windows Vista
- 9.14 - Pt. 2 - Creating and Managing Your IIS7 Website
- 9.15 - Pt. 1 - Installing and Configuring IIS7 on Windows Vista to Run Python
- 9.16 - Pt. 2 - Creating Python Pages and How to Execute Python Scripts in IIS7

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## Videos in this course:(cont.):

### Chapter 10: Test Driven Development , Unit Testing, Agile and more

Viewed?

10.1 - Pt. 1 - What Is Test driven Development (TDD)? What are Unit Tests? How Can I Use Them?

10.2 - Pt. 2 - More on the Core Principles and Ideas of TDD and Unit Testing

10.3 - Pt. 3 - Writing Your First Application Using TDD, Your First Unit Test, and Using NUnit

10.4 - Pt. 4 - Best Practices and Guidelines for Successful Unit Testing

10.5 - Pt. 5 - How to Setup and Configure Your First NUnit Project

### Chapter 11: Getting Started with SQL Server 2005

11.1 - Migrating From Express Edition to SQL Server Enterprise/Standard/et al

11.2 - Installing Visual Studio and SQL Server Express Edition - Part 1

11.3 - Pt. 2 - Installing SQL Server 2005 Express Editions

11.4 - Pt. 3 - Post-Install: Examining an Installation of SQL Server 2005 Express Edition

11.5 - Pt. 4 - Using the SQL Server Configuration Manager

11.6 - Pt. 5 - Using SQL Server Management Studio (SSMS) Express

11.7 - Pt. 1 - Installing SQL Server 2005 Express Edition on Windows Vista

11.8 - Pt. 2 - Installing SQL Server 2005 Express Edition on Windows Vista

11.9 - Pt. 3 - Working with the Documentation and Books Online

11.10 - Pt. 4 - Working With SQL Server 2005 Management Studio Express Edition

11.11 - Pt. 1 - Installation and Configuration of the SQL Server 2005 Sample Applications for SQL and more

11.12 - Pt. 2 - More Samples and How to Get the Sample Applications to Compile Using an .snk File

### Chapter 12: Misc Topics That Don't Fit Anywhere Else

12.1 - Pt. 1 - An Overview of the Various Options for Executing SSIS Packages Outside of SSMS and BIDS

12.2 - Pt. 2 - An Overview of How to Execute SSIS Packages With C#

12.3 - Pt. 3 - An Overview of How to Execute SSIS Packages With Visual Basic

12.4 - Pt. 4 - An Overview of How to Override Event Handlers in C# and Visual Basic

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## Videos in this course:(cont.):

### Chapter 12: Misc Topics That Don't Fit Anywhere Else

Viewed?

12.5 - Pt. 5 - How to Pass In Variables and Set Variable Values for SSIS Packages Using .NET	<input type="checkbox"/>
12.6 - Pt. 6 - More Options: Using DTEXEC.exe and DTEXECUI.exe	<input type="checkbox"/>
12.7 - Pt. 7 - More on DTEXEC; How to Execute SSIS Packages In Windows PowerShell; Using xp_cmdshell	<input type="checkbox"/>
12.8 - Pt. 8 - How to Execute a SQL Server SSIS-Based Job Remotely Using sp_start_job	<input type="checkbox"/>
12.9 - Pt. 9 - sp_start_job Options and Security: Credentials, Proxy Accounts and More	<input type="checkbox"/>
12.10 - Pt. 10 - How to Execute An SSIS Package in ASP.NET	<input type="checkbox"/>
12.11 - Part 1 - An Introduction to Regular Expressions	<input type="checkbox"/>
12.12 - Part 2 - A Continued Introduction to Regular Expressions	<input type="checkbox"/>
12.13 - Part 3 - Looking at a Filename Pattern Regular Expression	<input type="checkbox"/>
12.14 - Part 4 - Looking at a Filename Pattern Regular Expression	<input type="checkbox"/>
12.15 - Part 5 - Email Address Validation Regular Expression	<input type="checkbox"/>
12.16 - Part 6- Using Windows PowerShell to Test Regular Expressions	<input type="checkbox"/>
12.17 - Part 7 - More Regular Expressions Syntax and Case Sensitivity	<input type="checkbox"/>
12.18 - Part 8 - Using Regular Expressions in Everyday Applications	<input type="checkbox"/>

### For More Details

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