

# VB.NET BEGINNER 6 – 10 Oct 2014

<http://http://getcertified.co.za/short-courses/programming/net/vb-net-beginner>

## Prerequisites

You should have passed the [Intro to Programming](#) level or able to pass [this test](#) or similar.

## Intended Audience

This course is for anyone who want to learn how to program in VB using the .NET framework.

## Further Training

[Advanced VB.NET](#)

## Course Material

Included in the course price.

## Course Info

<p style="text-align: center;"><b>Day 1</b></p> <ul style="list-style-type: none"> <li>• Exploring the Visual Studio Integrated Development Environment</li> <li>• The Visual Studio Development Environment <ul style="list-style-type: none"> <li>• The Visual Studio Tools</li> <li>• The Properties Window</li> </ul> </li> <li>• Moving and Resizing the Programming Tools</li> <li>• Switching Among Open Files and Tools by Using the IDE Navigator</li> <li>• Opening a Web Browser Within Visual Studio</li> <li>• Customizing IDE Settings to Match Step-by-Step Exercises <ul style="list-style-type: none"> <li>• Your First Visual Basic Program <ul style="list-style-type: none"> <li>• Algorithms</li> <li>• Variables</li> <li>• Comments</li> <li>• Data Types</li> </ul> </li> <li>• Storing variables <ul style="list-style-type: none"> <li>• Methods</li> </ul> </li> </ul> </li> </ul> <p style="text-align: center;"><b>Day 2</b></p> <ul style="list-style-type: none"> <li>• Flow Control <ul style="list-style-type: none"> <li>• IF</li> <li>• Case</li> <li>• Loops</li> </ul> </li> <li>• Data Structures <ul style="list-style-type: none"> <li>• ArrayLists</li> <li>• Collections</li> </ul> </li> <li>• Lookup Tables with Hashtable</li> <li>• Advanced Array Manipulation</li> </ul> <p style="text-align: center;"><b>Day 3</b></p> <ul style="list-style-type: none"> <li>• Extensible Application Markup Language (XAML) <ul style="list-style-type: none"> <li>• Windows Presentation Foundation <ul style="list-style-type: none"> <li>• Building Windows Apps</li> </ul> </li> <li>• Building a Sample Application <ul style="list-style-type: none"> <li>• Counting Characters</li> <li>• Counting Words</li> </ul> </li> <li>• More Complex Applications <ul style="list-style-type: none"> <li>• Toolbar</li> <li>• Statusbar</li> <li>• EditBox</li> </ul> </li> </ul> </li> <li>• Responding to Toolbar Buttons</li> </ul>	<p style="text-align: center;"><b>Day 4</b></p> <ul style="list-style-type: none"> <li>• Creating a message box using different buttons and icons</li> <li>• Creating an Open dialog that enables you to open files</li> <li>• Creating a Save dialog that enables you to save files</li> <li>• Creating a Font dialog that enables you to apply the selected font to text</li> <li>• Creating a Color dialog that enables you to define and select custom colors</li> <li>• Creating a Print dialog that prints text from your application</li> <li>• Creating a Browse dialog that enables you to browse for folders <ul style="list-style-type: none"> <li>• Creating menus</li> <li>• Creating submenus</li> <li>• Creating context menus</li> </ul> </li> </ul> <p style="text-align: center;"><b>Day 5</b></p> <ul style="list-style-type: none"> <li>• How to correct the major types of errors you may encounter <ul style="list-style-type: none"> <li>• How to debug a program</li> </ul> </li> <li>• How to implement error handling in a program <ul style="list-style-type: none"> <li>• Beginner VB Competency Test</li> </ul> </li> </ul>
---	--

## Duration and pricing

- Full-time over 5 days (R7995 excl VAT)
- Part-time over 4 weeks (2 nights per week, 3 hour sessions) (R9995 excl Vat)
- Part-time over 8 Saturdays, 3 hour sessions (R9995 excl Vat)
- [Distance-learning](#) over up to 3 months (R6995 excl Vat)

---

# **VB.NET 2012 Training Course (1-5 Sep 2014)**

## **Prerequisites**

You should know [Beginner VB.NET](#)

## **Intended Audience**

This course is for anyone who want to learn how to program in VB using the .NET framework.

## **Further Training**

Recommended – [ASP.NET](#)

## **Course Material**

Included in the course price.

## **Course Info**

### Day 1

- Welcome to Visual Basic 2010
  - Event-Driven Programming
- Installing Visual Basic 2010
  - The Visual Studio 2010 IDE
- Creating a Simple Application
  - Using the Help System
- The Microsoft .NET Framework
- Microsoft's Reliance on Windows
- Writing Software for Windows
  - Common Language Runtime
- The Common Type System and Common Language Specification
  - Writing Software
  - Information and Data
  - Working with Variables
  - Comments and Whitespace
    - Data Types
  - Storing Variables
    - Methods
  - Controlling the Flow
    - Making Decisions
    - The If Statement
      - Select Case
        - Loops

### Day 3

- Creating Menus
- Understanding Menu Features
  - Creating Menus
  - Context Menus
- Debugging and Error Handling
  - Major Error Types
    - Debugging
    - Error Handling
  - Building Objects
  - Understanding Objects
    - Building Classes
      - Reusability
    - Designing an Object
      - Constructors
      - Inheritance
  - Objects and Structures
  - The Framework Classes
- Advanced Object-Oriented Techniques
  - Building a Favorites Viewer
  - An Alternative Favorites Viewer
  - Using Shared Properties and Methods
- Understanding Object-Oriented Programming and Memory Management

### Day 5

- Dynamic Data Web Site
- Creating a Dynamic Data Linq to SQL Web Site
  - ASP.NET
  - Thin-Client Architecture
- Web Forms versus Windows Forms
- Web Applications: The Basic Pieces
  - Active Server Pages
  - Building Web Sites
  - Visual Basic 2010 and XML
    - Understanding XML
  - The Address Book Project
- Integrating with the Address Book Application
  - Deploying Your Application
    - What Is Deployment?
- Creating a Visual Studio 2010 Setup Application
  - User Interface Editor
- Deploying Different Solutions

### Day 2

- Working with Data Structures
  - Understanding Arrays
  - Understanding Enumerations
  - Understanding Constants
    - Structures
  - Working with ArrayLists
  - Working with Collections
- Building Lookup Tables with Hashtable
  - Advanced Array Manipulation
- Extensible Application Markup Language (XAML)
  - What Is XAML?
  - XAML Syntax
- Windows Presentation Foundation
- Building Windows Applications
  - Responding to Events
- Building a Simple Application
  - Counting Characters
  - Counting Words
- Creating More Complex Applications
  - Creating the Toolbar
  - Creating the Status Bar
  - Creating an Edit Box
  - Clearing the Edit Box
- Responding to Toolbar Buttons
  - Using Multiple Forms
  - Displaying Dialog Boxes
    - The MessageBox
  - The OpenFileDialog Control
    - The SaveDialog Control
    - The FontDialog Control
    - The ColorDialog Control
    - The PrintDialog Control
  - The FolderBrowserDialog Control

### Day 4

- Building Class Libraries
- Understanding Class Libraries
  - Using Strong Names
  - Registering Assemblies
  - Designing Class Libraries
- Using Third-Party Class Libraries
- Viewing Classes with the Object Browser
- Creating Windows Forms User Controls
  - Windows Forms Controls
- Creating and Testing a User Control
- Exposing Properties from User Controls
  - Design Time or Runtime
- Creating a Command Link Control
  - Accessing Databases
  - What Is a Database?
  - The SQL SELECT Statement
    - Queries in Access
- Data Access Components and Controls
  - Data Binding
- Database Programming with SQL Server and ADO.NET
  - ADO.NET
- The ADO.NET Classes in Action
  - Data Binding

## Duration and pricing

- Full-time over 5 days (R7995 excl VAT)
- Part-time over 4 weeks (2 nights per week, 3 hour sessions) (R9995 excl Vat)
- Part-time over 8 Saturdays, 3 hour sessions (R9995 excl Vat)
- [Distance-learning](#) over up to 3 months (R6995 excl Vat)

## Certificate

1. Upon completion of this course we will issue you with attendance certificate to certify your attendance and / or completion of the prescribed minimum examples.

2. You have the option to get the competency / academic certificate if you :

hand in a project (pre-approved) covering most of the topics in the book.

## Schedule

On the calender on this page below.

If your browser doesn't display the calendar below, please click on [this link](#) or try using [Google Chrome](#), alternatively please enquire via our 'Contact Us' page.

## Bookings

You can download the course registration form on our home page or by clicking [here](#)

## Brochure

see <http://getcertified.co.za/short-courses/programming/net/vb-net-advanced>

You may download a pdf copy of this page by [clicking here](#).

## Questions

Please [email us](#)

---

# VB.NET 10 Dec

[VB.NET 10 Dec](#)

Still space available