

Complete VB.net programming

A 5 day **Hands on** training course



Description

A hands on introduction to programming in Visual BASIC.Net.



Key outcomes

By the end of the course delegates will be able to:

- ✓ Build Visual BASIC applications.
- ✓ Build simple components.
- ✓ Debug Visual BASIC programs.
- ✓ Examine existing code and determine its function.



Training Approach

This structured course uses Instructor Led Training to provide the best possible learning experience. Small class sizes ensure students benefit from our engaging and interactive style of teaching with delegates encouraged to ask questions throughout the course. Quizzes follow each major section allowing checking of learning. Hands on sessions are used throughout to allow delegates to consolidate their new skills.



Details

Who will benefit?

Anyone wishing to program in Visual BASIC. Anyone wishing to build Windows based applications.

Prerequisites

None although experience in another high-level language would be useful.

Duration: 5 days

Overall rating:



Generic Training



Generic training compliments product specific courses covering the complete picture of all relevant devices including the protocols "on the wire".

"Friendly environment with expert teaching that teaches the why before the how."
G.C. Fasthosts

Small Class Sizes



We limit our maximum class size to 8 delegates; often we have less than this. This ensures optimal interactivity between delegates and instructor.

"Excellent course. The small class size was a great benefit..."
M.B. IBM

Hands On Training



The majority of our courses use hands on sessions to reinforce the theory.

"Not many courses have practice added to it. Normally just the theoretical stuff is covered."
J.W. Vodafone

Our Courseware



We write our own courses; courseware does not just consist of slides and our slides are diagrams not bullet point text.

"Comprehensive materials that made the course easy to follow and will be used as a reference point."
V.B. Rockwell Collins

Customise Your Course



Please contact us if you would like a course to be customised to meet your specific requirements. Have the course your way.

"I was very impressed by the combination of practical and theory. Very informative. Friendly approachable environment, lots of hands on."
S.R. Qinetiq

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Course Content

Writing your first program

Visual Studio, forms designer, running VB programs, the UI, properties, writing the code.

Toolbox Controls

Basic use, input controls, ActiveX controls.

Menus and Dialog Boxes

Menus, Dialog Box controls, event procedures.
Visual Basic .NET variables and operators
Variables, I/O, data types, constants, operators, Math
Methods, precedence.

Decision Structures and Loops and Timers

Event-Driven programming, If...Then, Select Case,
For...Next Loops, Timer Control.

Debugging Visual Basic .NET Programs

Break Mode, watch & command windows.

Structured Error Handling

Try...Catch, Finally, Err Object, retry periods.

Modules and Procedures

Standard modules, public variables, procedures.

Arrays and Collections to Manage Data

Fixed-Size & dynamic Arrays, ReDim Preserve, object
collections, Controls Collection.

Text Files and String Processing

Text Box object, Text String methods, sorting.

Automating Office Applications

Application objects, automation in VB, the Object
Browser, the Process Component.

Deploying Visual Basic .NET Applications

Planning a deployment, ways to deploy an application,
deployment projects, options.

Managing Windows Forms

Forms, positioning, manipulation, adding controls,
organizing controls, Startup Object.

Adding Graphics and Animation Effects

System.Drawing namespace, coordinates, SystemPaint
Event, animation, transparency.

Inheriting Forms and Creating Base Classes

Inheriting forms, inheritance picker, base classes and
inheritance, classes in projects.

Working with Printers

PrintDocument class, Text Box object, Print Preview and
Page Setup Dialog Boxes.

Database programming with ADO.NET

Databases, ADO.NET, Data Adapters, Datasets, Bound
& Navigation Controls. Displaying database records,
formatting DataGrid cells, updating the database.

Displaying HTML Documents Using IE

IE Object, Internet Controls, IE Events.

Web Forms for Interactive Web Applications

ASP.NET, Web Forms vs. Windows Forms, HTML
controls, web applications, event procedures for web
forms controls.

