

Course Outline

Introduction to Visual Basic Version 6.0 2/3 day course (flexible –depending on needs)

Course Description

This course aims to provide an introduction, which will enable delegates to learn the fundamentals of programming in Visual Basic. The course is intended for both those with a programming background or those who want an introduction to programming concepts. This course can be completed in less time providing delegates have prior programming experience and are familiar with the starred concepts below.

Course Objectives

By the end of the course delegates will have covered:

- **Basic Concepts**
 - Screen Layout
 - Toolbar and Toolbox
 - Interface Windows
- **Creating applications**
 - Working with Projects
 - Creating the Interface and a New Form
 - Naming Objects, Hungarian convention
- **Writing VB code**
 - Events in Visual Basic
 - Object Browser
 - Changing Object Properties
- **Language fundamentals**
 - Functions, Subs, Declarations
 - Editing and Entering code
 - Data types*
 - Data holders*
- **Using Operators***
 - Arithmetic, String, Relational, Logical and Special
- **Making Decisions, Looping and Jumping**
 - GoTo statement*
 - If Then Else*
 - For-next Loops*
 - Do-loop structures*
 - Use of variables and exiting loop structures
- **Working with Numbers and Strings**
 - Functions and their uses*
 - Formatting Strings and Numbers*
 - Comparing strings with the 'Like' operator
- **More on Subs and Procedures**
 - Main features of General Procedures
 - Creating User-defined and Sub-procedure Functions
 - Calling and Passing Parameters*
- **Working with Arrays and Structures***
 - Declaring and placing Arrays
 - Multi-dimensional and Dynamic Arrays
 - Passing Arrays to a Procedure
- **Handling Errors and Code Debugging**
 - Debugging Techniques and Utilities in VB
 - Using the Debug Window
 - Breakpoint Mode
 - Watch Windows and Instant Watch Option
 - Error Handling and Trapping
- **More on Mouse Events**
 - Events; Adding code
 - Mouse down, mouse up and mouse move
 - Drag and Drop with the mouse
- **Responding to the Keyboard**
 - Keyboard events; Keypress, Key up and Key down
- **Creating Menu Structures**
 - Drop down menu
 - Adding code to menu items
 - Separator bars, checked menu items and shortkey combinations
- **Manipulating File Controls**
 - Toolbox controls
 - File; Directory and Drive List Box controls
 - Common Dialog Control
- **Interacting with Databases**
 - Adding a data control
 - Recordset property
 - Overview of SQL
 - Dbgrid, Dblist and Dbcombo controls
 - Designing a simple database
- **Integration**
 - The Setup Wizard