

# Excel Visual Basic for Applications

## What Can You Expect?

This course targets learners who require knowledge of Excel's underlying programming language with a view to extending the functionality of macros, as well as creating functions and automating complex tasks.

## What Is Required From You?

To ensure success, you should have successfully completed all Excel courses to an advanced level or possess the equivalent knowledge.

## 3 Day Course Content

### Day 1

#### Understand How VB Talks To Excel

- Understand Automation
- Start Microsoft Excel Macros
- Record, Run And Edit A Macro
- Run A Macro From Visual Basic
- Step Through A Macro

#### Understand the VB Environment

- The Code Window
- The Project Explorer
- The Properties Window
- The Immediate Window
- The Object Browser

#### Write Visual Basic Statements

- Make Long Statements Easier To Read
- Create, Declare And Assign Variables
- Use Syntax Help In Visual Basic
- Exit Visual Basic Transpose
- Skip Blanks
- Link

### Day 2

#### Work With Excel Objects in Visual Basic

- Collections, Properties, Methods And Events
- Understand And Use Workbooks And Worksheets
- Understand And Define Ranges
- Manipulate Drawing Objects
- Manipulate Charts
- Use Values And Formulas In Ranges
- Understand And Use Relative And Absolute
- Enhancing Recorded Selection
- Simplifying Selection Pairs And Groups
- Manipulate PivotTables

### Day 3

#### Control Visual Basic

- Use Conditional Statements
- If... Then... Else
- Case Statements

#### Create Loops

- For Each Loops
- For Loops
- Do Loops

#### Extend Excel and Visual Basic

- Input Boxes
- Message Boxes

#### Work With Functions

- Using Excel Functions In Visual Basic
- Create Custom Functions
- Add Function Arguments
- Explore Volatile Functions

#### Developer

- Handle Errors: Ignore, Check For And Trapping Errors
- Launch Macros With Events
- Active X Controls
- Create Custom Forms
- Launch A Form
- Animate Objects
- Package The Application



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