# 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 levels 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

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### 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