

# Advanced VBA

## 2 day training course



## Course contents

This course will cover the following topics. Those marked with (\*) will be covered if time allows.

### Revision of VBA

- Objects and collections
- Methods and properties
- Using object variables
- Looping over collections

### Links to other applications

- Referencing other applications
- Instantiating objects
- Writing inter-application code

### FileSystemObjects

- Referencing FileSystemObjects
- Working with files and folders

### FileDialogs

- Using FileDialogs
- Allowing multiple selection

### Working with text files

- Avoiding using INPUT/OUTPUT
- Reading and writing text files

### Class modules

- What is a class?
- Designing classes
- Creating properties and methods
- Consuming classes

### Advanced class modules topics (\*)

- Untyped collections
- Creating typed collections
- Creating event sinks

### Linking to data

- ADO or Access Database Engine
- Referencing the right library
- Opening and using recordsets

### Arrays

- Creating and populating arrays
- Dynamic arrays
- The PRESERVE keyword

### Passing arguments

- ByRef and ByVal
- Using optional arguments
- Using ParamArray

### Functions

- Declaring functions
- Passing arguments

### Advanced programming ideas (\*)

- Using functions in code
- Recursive programming
- Enumerations

### Working with shapes (\*)

- Adding shapes
- Positioning shapes
- Formatting shapes

## Pre-requisites for Advanced VBA course

Delegates should have good knowledge of either Access Visual Basic, Excel Visual Basic or Word Visual Basic. To attend this course, you should already know the answers to these questions:

1. How to use input and message boxes.
2. How to write IF conditions and loops.
3. How to create and use variables (including the use of **OPTION EXPLICIT**).
4. How to select cells (including using **OFFSET** and **END**) in Excel.

If you haven't attended our two-day Excel VBA introduction course or been using VBA for at least 6 months, you're likely to struggle on this course.

## Prices

Venue	Address	Price per place
<a href="#">London</a>	Landmark, 99 Bishopsgate, London EC2M 3XD	£1,525 per person + VAT
<a href="#">Manchester</a>	Holiday Inn, 25 Aytoun Street, Manchester M1 3AE	£1,150 per person + VAT
<a href="#">Online</a>	Your home or office!	£995 per person + VAT

## Scheduled Dates

Dates	Venue	Times	Price per place	Booking
Mon/Tue 29-30 September 2025	Online	09:30-16:30	£995 + VAT	<a href="#">Book this</a>
Tue/Wed 02-03 December 2025	Online	09:30-16:30	£995 + VAT	<a href="#">Book this</a>
Wed/Thu 18-19 February 2026	Online	09:30-16:30	£995 + VAT	<a href="#">Book this</a>
Wed/Thu 18-19 March 2026	Online	09:30-16:30	£995 + VAT	<a href="#">Book this</a>
Wed/Thu 15-16 April 2026	Online	09:30-16:30	£995 + VAT	<a href="#">Book this</a>

If you can't see the dates that you want, ask us about organizing a customized course at your office (we'll provide and set up the computers), or else an online course tailored to your needs.