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
London	Landmark, 99 Bishopsgate, London EC2M 3XD	£1,525 per person + VAT
Manchester	Holiday Inn, 25 Aytoun Street, Manchester M1 3AE	£1,150 per person + VAT
Online	Your home or office!	£995 per person + VAT

Scheduled Dates

Dates	Venue	Times	Price per place	Booking
Thu/Fri 11-12 February 2027	Online	09:30-16:30	£995 + VAT	Book this
Tue/Wed 23-24 March 2027	Online	09:30-16:30	£995 + VAT	Book this
Thu/Fri 06-07 May 2027	Online	09:30-16:30	£995 + VAT	Book this
Thu/Fri 17-18 June 2027	Online	09:30-16:30	£995 + VAT	Book this

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.