



## Microsoft Office with VBA Programing

06 - 10 Jan 2025  
Amsterdam (Netherlands)



# Microsoft Office with VBA Programming

**Ref.:** 15227\_259379 **Date:** 06 - 10 Jan 2025 **Location:** Amsterdam (Netherlands) **Fees:** 5500 Euro

## Targeted Audience:

This course is aimed at individuals with a basic grounding in Excel VBA and an advanced knowledge of Microsoft Excel to develop skills with introducing more sophisticated automation into their workflows.

## Course Objective:

- Variable types
- Using object variables to represent worksheets and workbooks
- Using count-based For-Next and conditional based Do-Until, Do-While loops
- If-Then-Else-End If and Select Case statements
- With blocks
- Using Range and Cells objects
- Benefits
- Upon completion of the course delegates will have a good understanding of the major components of VBA.
- Delegates will expand their reach by being able to use VBA to communicate with other Office applications, such as Word.
- In addition, the course also covers working with data from database applications such as Access, and manipulating and presenting the data.

## Course Outline:

### Unit 1: The Excel Object Model

- Exploring the Range object in detail
- The versatile Current Region object
- Working with collections of Workbooks and Worksheets
- Manipulating Charts through VBA
- Manipulating PivotTables through VBA

### Unit 2: Arrays:

- Efficient variable storage with arrays
- Array optimization
- Dynamic arrays
- The Array function

### Unit 3: Triggers and Events:

- Running macros automatically
- Executing macros on a timer
- Associating macros with other Workbook events

## **Unit 4: Advanced Parameters:**

- Passing parameters by reference and by value

## **Unit 5: Working with Text Files:**

- Importing text files
- Exporting text files
- Using the FileStream object

## **Unit 6: Linking with Office:**

- Connecting to other Office applications
- Working with other Office applications

## **Unit 7: Linking to data sources using ADO:**

- Understanding ActiveX Data Objects
- Using Excel to communicate with other data sources
- Understanding the connection string
- Adding, reading, modifying and deleting data

## **Unit 8: Add-Ins:**

- How macro security works
- Password protecting your code
- Distributing macros via an Add-In



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**Registration form on the :  
Microsoft Office with VBA Programing**

**code:** 15227 **From:** 06 - 10 Jan 2025 **Venue:** Amsterdam (Netherlands) **Fees:** 5500 **Euro**

Complete & Mail or fax to Mercury Training Center at the address given below

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