Programming and Data Wrangling with VBA and Microsoft Excel 365

Price: 1350

Duration: 3 days

Delivery Methods: Virtual

Overview

VBA (Visual Basic for Applications) enables you to enhance and extend the capabilities of Microsoft® Excel® and other applications in the Microsoft® Office application suite. Regardless of the Excel version (e.g. Excel 2013, Excel 2016, Excel 2019), you can use VBA to perform tasks that would be difficult or impossible to do using only worksheet functions, and you can automate a wide range of tasks involving the collection, processing, analysis, and visualization of data. This course will give you a good foundation for understanding, creating, and using VBA in your own Excel workbooks, show you how to work with data across different applications, and how to package the macros and functions you create so you can back them up, move them to other computers, and share them with other users.

Audience Profile

This course is primarily designed for students who want to gain the skills necessary to use VBA to automate tasks in Excel such as collecting data from external sources, cleaning, and manipulating data. The target student may also want to learn how to create custom worksheet functions to streamline worksheet formulas and make complex worksheets easier to support, maintain, and understand.

At Course Completion

In this course, you will develop and deploy VBA modules to solve business problems. You will:

- Identify general components of VBA and their appropriate use in solving business solutions.

- Record VBA macros to automate repetitive tasks.
- Use reference tools built into Excel to get help on VBA programming language and objects used in the Excel VBA environment.
- Write VBA code to create a custom worksheet function.
- Eliminate, avoid, or handle errors in VBA code, and optimize its performance.
- Control how and when macros run.
- Develop UserForm objects to create custom dialog boxes and windows.
- Use VBA to read and write data from local files and cloud services.
- Use VBA to clean and transform data.
- Run programs and commands outside of Excel and share VBA projects with other users.

Outline

Lesson 1: **Using VBA to Solve Business Problems**

Lesson 2: **Automating Repetitive Tasks**

Lesson 3: **Getting Help on VBA**

Lesson 4: **Creating Custom Worksheet Functions**

Lesson 5: **Improving Your VBA Code**

Lesson 6: **Controlling How and When Macros Run**

Lesson 7: **Developing Custom Forms**

Lesson 8: **Using VBA to Work with Files**

Lesson 9: **Using VBA to Clean and Transform Data**

Lesson 10: **Extending the Programming Environment Beyond the Workbook**

Prerequisites

To ensure your success in this course, you should be an experienced Excel user who is comfortable creating and working with Excel workbooks, including tasks such as entering worksheet formulas, using absolute and relative addressing, formatting cells, and creating pivot tables and charts. This level of skill could be acquired by taking the Microsoft Excel for Office 365™ (Desktop or Online) courses, Parts 1, 2, and 3.

Course Schedule

Date	Time	Price	Options
07/29/2026	08:00 AM - 04:00 PM CT	1,350.00	Buy Now Enroll

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