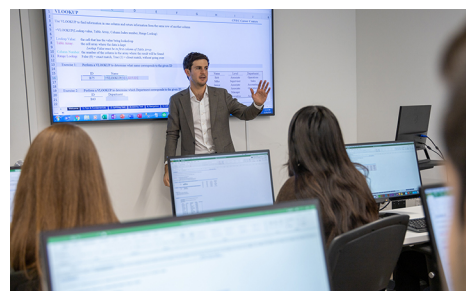


Excel Programming with VBA

Learn Visual Basic for Applications to accelerate your workflow and reduce errors in Excel. This bootcamp course includes Excel VBA Macros Levels 1 and 2. By the end of this course, you'll be able to develop a macro, create automated event processes, and use automation to manage unforeseen errors.

Group classes in NYC and on-site training is available for this course.

For more information, email nyc@careercenters.com or visit: careercenters.com/courses/vba



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Course Outline

VBA Macros Day I

1. Macros / VBA

- What are Macros?
- What is VBA?
- How to record macros
- How to run macros

2. VBA Editor

- Modules
- Procedures
- Project Explorer
- Toolbars / Options

3. Creating / Editing Code

- Create Procedures
- Subs
- Comments

4. Invoking Macros

- Hot Keys
- Quick Access Toolbar
- Call Command

5. Compiling Code

- Stepping through code

- Reset
- Run
- Preventing fatal errors and crashes

6. Variables

- Declarations
- Option Explicit
- Data Types

7. Working with The Object Model

- Worksheets
- Ranges: Rows, Columns, Cells

8. Creating & Naming Objects

- Naming conventions
- Housekeeping

9. Navigation / Selection Techniques

- Formula R1C1 Reference Style
- Offsets
- Range Names

10. Logic Statements

IF Statements

11. Looping Statements

Do Loops

12. Interactive Code

- Input boxes
- Message boxes

13. Error Handlers

VBA Macros Day II

1. VBA Editor

- Project Explorer
- Properties Window
- Modules

2. Creating / Editing Code

- Functions
- Events

3. Invoking Macros

- Worksheet Buttons
- Customize Ribbon

4. Compiling Code

- Stepping through code
- Setting Breakpoints

5. Variables

- Declarations
- Option Compare Text
- Option Compare Binary
- Lifetime and Scope

6. Working with The Object Model

Application

7. Creating & Naming Objects

- Naming conventions
- Housekeeping

8. Navigation / Selection Techniques

- Absolute versus Relative Reference
- Offsets

9. Logic Statements

- Nested IF Statements
- Case Statements

10. Functions

- Intrinsic Functions
- User Defined Functions

11. Looping Statements

For Each Next Loops

12. Interactive Code

- User Forms - dashboards
- Message Boxes

13. Error Handlers

- Error numbers
- Error descriptions