Excel VBA Introduction
Course Outline

Course Objective

Excel VBA Introduction

One Day

VBA Introduction is a two -day instructor-led course that covers using VBA in Excel. The functionality and power of adding VBA to your spreadsheets will be explored allowing complete automation of your Workbooks. This course will introduce the student to programing fundamentals and give the student a solid background is programming in Excel.

Chapter 1: Introduction to VBA

What is VBA
What are Macros
Five steps to planning a macro or VBA project
VBA Terminology

Chapter 2: Review of Macros

Creating a Macro
Macro Enabled Formats
Enabling the Developer Tab
Macro Names
Running a Macro
Visual Basic Editor
Project Explorer
Properties Windows
Code Window
Commenting Code

Chapter 3: VBA Programming Fundamentals

Object Oriented Programming
Methods and Events
Variables
Data Types
Scopes

Chapter 4: Procedures, Functions, and Modules

Review of Modules
Procedures and their Scope
Function Procedures
Built IN Functions
Input Box
Message Box

Chapter 5: Decision and Control Structures

Control Flow
Boolean Expressions
If The Else
Select Case
Loop structures

Chapter 6: Special Considerations

VBA and Arrays
VBA and PivotTables
Screen Refresh Issues

Chapter 7: Debugging

Types of Errors
Debugging tools
Immediate Window
Local Window
Watch Window
Stepping Through

Chapter 8: Error Handling

On Error Goto
On Error Resume

Chapter 9: User Forms

Review of User Forms
Creating a User Form
Automating a User form

Course Length: 2 Day

Prerequisite: Intermediate Level Experience with Excel.