



# Introduction to VBA for ArcMap™

*DVD Self Paced Course*

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## Course Overview

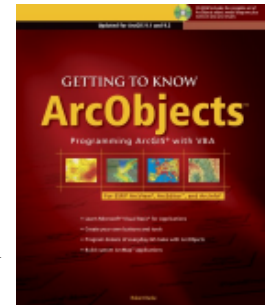
Introduction to VBA for ArcMap is a virtual training class that allows users to learn at their own pace. This introductory programming course covers the fundamentals of VBA in the ArcGIS® Desktop environment. The course is designed for programmers at a beginner or intermediate level. Course participants will be led through a series of five modules covering topics such as the customization of the ArcMap interface, variables and procedures, custom form creation, branching and looping, as well as classes and objects.

## Target Audience

This course is designed for beginner to intermediate level ArcGIS programmers who wish to learn the basics of customizing the ArcGIS Desktop interface and develop VBA macros and simple programs.

## What You Get!

- Audio and Visual Lectures
- Software Demonstrations
- Exercises and Data
- Bound, Hard-Copy Lecture Materials
- Free copy of the "Getting to Know ArcObjects" workbook from ESRI Press



## Course Modules

- Module 1: Customizing the ArcMap Interface
- Module 2: Variables and Procedures
- Module 3: Branching and Looping
- Module 4: User Forms
- Module 5: Classes and Objects
- Module 6: Introduction to ArcObjects
- Module 7: Maps and Layers
- Module 8: Spatial and Attribute Selections
- Module 9: Opening and Creating Data Sets
- Module 10: Working with Geometry
- Module 11: ArcObjects Events
- Module 12 Using Tools
- Module 13: Working with Graphics
- Module 14: Creating Custom Layouts

## Course Goals

After successfully completing this course you will have acquired a number of new skills related to customizing the ArcGIS Desktop environment including:

- The ability to modify and customize the ArcGIS Desktop visual interface.
- An understanding of the major components of the Visual Basic Editor included with ArcGIS Desktop.
- An understanding of the fundamentals of VBA including variables, procedures, functions, branching and looping structures, user forms, classes and objects.
- How to create custom user forms for advanced user input.
- Fundamental knowledge of classes and objects and how they are used in a programming language.
- An introduction to COM classes and the fundamental role they play in ArcObjects

## Prerequisites and recommendations

This course is not for new computer or ArcGIS users. Students taking this course should understand the windows programming environment and have some programming experience.

## Cost

The fee for this course is \$149.00 per student plus shipping.

## Required Software

- ✓ ArcGIS Desktop 9.x (ArcView, ArcEditor, or ArcInfo)
- ✓ Internet Browser (Internet Explorer 7 or higher recommended)



*Any CD or DVD-ROM class can also be offered as an instructor led class as requested. Contact us at [gistraining@keckwood.com](mailto:gistraining@keckwood.com) for more information.*

**For information about this course, other GIS training offered or the full range of GIS/Mapping services provided by Keck & Wood, Inc. please contact:**



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