



# ArcGIS Desktop 3 Workflows & Analysis

An Official ESRI Developed Course

## Course Overview

This two-day course builds on the skills learned in the ArcGIS Desktop II course. It shows students how to apply ArcGIS tools in a workflow context with a focus on working with data stored in a geodatabase and performing geoprocessing and analysis. In the course exercises, you organize and edit data stored in a geodatabase, prepare data for analysis, create and edit geoprocessing models using ModelBuilder, and work through a challenging analysis project.

## Target Audience: Intermediate Level

This course is designed for intermediate ArcGIS users who want to learn more about analysis and geoprocessing in ArcGIS tools including ArcToolbox and ModelBuilder.

## Software Used in Course

This course is designed to work with the following software:

- ArcView 9.3 or 10
- ArcEditor 9.3 or 10
- ArcInfo 9.3 or 10

\*\*Please note: Versions cannot be mixed during a single class

## Course Goals

1. Add data from different sources to a geodatabase.
2. Create subtypes and use them when editing data.
3. Validate geodatabase feature geometry and attributes.
4. Edit data using a geodatabase topology.
5. Create and edit geodatabase annotation.
6. Create and edit metadata using a template.
7. Create custom symbols and style sheets.
8. Create and apply a custom map template.
9. Run analysis tools using dialog boxes, models, and the command line window.
10. Build a complex model using Model Builder.



### Topics covered

- Getting data into a Geodatabase using various methods including importing, copy and pasting and data conversion.
- Spatial and Attribute validation such as topologies, subtypes and domains
- Editing and updating GIS data
- Spatially adjusting and georeferencing GIS data
- Managing analysis and geoprocessing tools
- Performing analysis with the various tools in ArcGIS
- Using ModelBuilder to streamline, automate and document workflows

### Prerequisites and recommendations

Students should have completed ArcGIS Desktop II: Tools & Functionality or Introduction to ArcGIS I or have equivalent knowledge. Students must have a firm knowledge of Microsoft Windows and computer file management.

### Cost

The fee for regularly scheduled classes is \$850.00 per student for normal classes. Discounts are available for groups or if bundled with other ArcGIS training classes. A minimum of four students are need to constitute a class. Payment or purchase order must be received prior to the start of class. Any cancellations must be made one week in advance of the class to receive a refund.

On-site training is available. If you would like a quote or more information about on-site training contact us at [gis-training@keckwood.com](mailto:gis-training@keckwood.com).

### Instructor

This class is taught by one of our experienced Esri Certified Trainers.

