



ArcGIS Fundamentals 10.x

Course ID#: 1700-101-10.x-W

Hours: 16

Course Content

Course Description:

ArcGIS is a powerful and complex tool for viewing and analyzing data. With so much functionality available in the software, it can be difficult to get started. This 2-day class teaches essential skills for being efficient with ArcGIS. Explore GIS data through ArcMap and create maps to illustrate relationships in the data. Learn methods of displaying data with symbols and text. See how to ask questions of the data and get answers.

Prerequisites:

Experience with Microsoft Windows.

Topics:

Module 1: Introduction to GIS

- What is GIS?
- Working in ArcMap

Module 2: ArcMap Basics

- Essential Tools

Module 3: Using Symbology to Analyze the Data

- Symbolizing Vector Data
- Symbolizing Raster Data
- Image Analysis Window

Module 4: Designing Your Map for Presentation

- Data View and Layout View
- Designing the Page
- Adding Elements to Explain the Data
- Printing and Exporting

Module 5: Optimizing the Display of Your Data

- Layer Organization
- Layer Properties
- Layer Files

Module 6: Asking Questions of Your Data

- Selecting Features
- Interactive Selection
- Select by Attributes
- Select by Location
- Using the Selection

Module 7: Understanding GIS Data Types

- Finding Data
- Accessing and Managing Data
- GIS Data
- Documenting Your Data

Module 8: Tables and Analysis

- Working with Tables
- Plotting Coordinates
- Address Geocoding
- Basic Geoprocessing