

Introduction to ArcGIS Pro

Course Length: 2 days

ArcGIS Version: Pro 3.x

App: ArcGIS Pro

Overview

Whether you are migrating from ArcMap or brand-new to ArcGIS, this course is your starting point.

This class gets participants comfortable using ArcGIS Pro. The course starts by explaining the ArcGIS Pro interface and project structure and then walks you through the process of creating projects and maps, including importing .mxd files from ArcMap. It teaches how to optimize the display of the data by setting colors and symbols using the ArcGIS Pro Symbology pane, adding labels and text to the map, and covers the details of creating layouts in the ArcGIS Pro Layout view. The course also introduces participants to spatial analysis in ArcGIS Pro and discusses what has changed as compared to ArcMap. At the completion of this course, those attending should have a strong foundation in ArcGIS Pro.

Audience

Anyone who wants to create maps and explore data in ArcGIS Pro, whether this is their first GIS software or they are long-term ArcMap users.

Topics Covered

Day 1

- Overview of GIS – An introduction to the concepts of GIS and spatial problem solving, an overview of the ArcGIS platform, and how to get started working in a Pro project (What is ArcGIS?; Getting Started in a Project)
- ArcGIS Pro Basics – Getting familiar with the ArcGIS Pro interface, including starting a new project, navigating a map, and working with the ribbons, panes and views. Setting up basic symbology and labels on a map and getting access to the data behind the maps (Parts of the Interface; Map Tools; Layer Tools)
- Using Symbology to Analyze Data – Setting symbology and display properties to make a better, more manageable, map, and to begin analyzing the data (Applying Symbology in ArcGIS Pro; Symbology Choices; Layer Files)
- Asking Questions of Your Data– Selecting features on the map by running SQL queries on the data tables, as well as by looking at spatial relationships of the features (Making Selections; Interactive Selection; Select by Attribute; Using the Selection)

Day 2

- Understanding GIS Data – Getting familiar with GIS data formats that can be used in Pro, including the file geodatabase and the shapefile, and accessing internal and external Portal data (GIS Data Types; Accessing Portal Data)

- Adding Data and Managing a Project – Managing data in your project, fixing broken data links, and adding different types of data to a map (Understanding the ArcGIS Pro Project; Finding and Adding Data to a Map)
- Designing Your Map for Presentation – Designing map layouts to present and share your work as hardcopy or digital maps (Working with Map Frames; Working with Elements; Sharing Layouts)
- Geoprocessing – Using a variety of the geoprocessing tools in ArcGIS to manipulate and manage your GIS data and to perform spatial analysis (Geographic Analysis; Running Tools)

Format

In-person or live virtual instruction with hands-on practice and course materials you can keep. It is also available as a self-directed course to take on your schedule.

Prerequisites and Recommendations

Attendees should be comfortable working on a computer and navigating the folder structure in Microsoft Windows®.