

## Training the GIS Professional

# ArcGIS Pro 2 - Essential Workflows for ArcGIS Pro

## - 2 Days

### Overview

Extend your foundational GIS knowledge, get comfortable with the ArcGIS Pro application, and explore some of the most common GIS workflows. This course introduces techniques and general best practices to map, manage, analyse, and share data and other GIS resources. Hands-on exercises will give you the experience needed to efficiently work with ArcGIS Pro.

### Who should attend

- Data Editors
- GIS Database Designers
- GIS Professionals
- GIS Users
- GIS Technical Leads
- Map Designers

### Goals

- Create a Project template & use Esri Tasks
- Understand spatial reference systems
- Perform and manage selections
- Create relationships within your data
- Present results from analysis effectively using advanced symbology
- Perform advanced 2D editing
- Create 3D visualisations and editing
- Store and process imagery
- Develop advanced layout techniques
- Create Scene views and edit 3D data

### Topics Covered

- Working with spatial reference: Shape of the earth; Datums; Setting vertical datums; Two types of coordinate systems; Add a layer to a map; Examine the coordinate system of a layer; Enable the geographic transformation warning; Apply a geographic transformation; Map projections; Distortion and spatial properties; Game of distortions; UTM and national coordinate systems
- Managing Imagery in ArcGIS Pro: The Image data model; The Mosaic Dataset; Image functions & function chain; Managing and enhancing the Mosaic Dataset.
- Relating tabular data: Associating tables; Cardinality; Joins; Relates; Creating a relate; Types of spatial join; Introducing geodatabase relationships.
- Introduction to 3D, Create and Navigate a Scene View, Edit 3D geometry

### Topics Covered Continued

- Working with Selections: The List by Selection tab; Selecting features interactively; Selecting features based upon spatial location or by attributes; Relational and logical operators.
- Advanced symbology techniques: Styles; Graphs and Charts; Infographics; Display Filters; Symbolise by Quantities; Symbolise by Density; Symbolise by attributes.
- Adding text to the map: Label classes; Explore attributes; Create label classes; Set scale dependencies on label classes; Geodatabase annotation feature classes; Standard or feature linked annotation; Feature-linked annotation; Convert labels to annotation.
- Performing Advanced Editing: Editing in ArcGIS Pro; An over view of the Edit tab; Working with topology editing tools and validation; 3D editing; Modify annotations; Create new annotations
- Introduction to 3D, Create and Navigate a Scene View, Edit a Multipatch feature class.
- Advanced Layouts: Layout templates; Grids and Graticules; Reshaping your layout; Creating a Map Series.

### Prerequisites

This course is aimed at those who have prior ArcGIS Pro experience who have attended ANY of the following courses:

- Introduction to ArcGIS Pro for GIS Newcomers
- Introduction to ArcGIS Pro with GIS Professionals OR Migrating from ArcMap to ArcGIS Pro

Or have equivalent working knowledge.

### Contact Us

For GIS training enquiries and bookings visit [esriuk.com/learning](http://esriuk.com/learning) email us at [learning@esriuk.com](mailto:learning@esriuk.com) or call us on 01296 745504