



Consulting and Training | Reach New Heights

Course Name

Creating and Editing Data with ArcGIS Pro

Sector Name

Civil Engineering

Document Type

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Creating and Editing Data with ArcGIS Pro

Course Introduction

This Training program is designed to enable participants to understand and apply the best practices to create accurate geographic data and maintain it over time.

Participants will be able to master using a variety of ArcGIS Pro tools that streamline the editing process and decrease the potential for errors when updating your GIS database.

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Target Audience

- ✓ GIS Analyst
- ✓ GIS Technician
- ✓ Cartographer
- ✓ Urban Planner
- ✓ Geospatial Data Scientist
- ✓ Environmental Analyst
- ✓ Remote Sensing Specialist
- ✓ Surveyor
- ✓ Civil Engineer
- ✓ Land Use Planner

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Creating and Editing Data with ArcGIS Pro

Learning Objectives

- ✓ Apply a standard editing workflow to manage updates to geographic data.
- ✓ Configure ArcGIS Pro application and project settings to support efficient editing.
- ✓ Create, modify, and delete 2D and 3D features and attributes.
- ✓ Solve common data alignment issues and maintain spatial relationships among features when editing.

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Creating and Editing Data with ArcGIS Pro

Course Outline

✓ Day 01

Introduction to Editing in ArcGIS Pro:

- ✓ Identifying the ArcGIS editing workflow.
- ✓ ArcGIS Pro editing environment.
- ✓ App and Project settings for editing.
- ✓ Practical exercise on:
 - ✓ Configuring ArcGIS Pro for editing “Practical Exercise”.
 - ✓ Measurement units: Investigate auto-save settings.
 - ✓ Changing the map's coordinate system
 - ✓ Setting layer selection ability and editing ability
 - ✓ Practical exercise on: Investigate coordinate systems
 - ✓ Identify the map and layer spatial references
 - ✓ Measure the offset between layers
 - ✓ Change the map's x,y coordinate system and add a new layer
 - ✓ Lining up data
 - ✓ Tracking changes in ArcGIS Pro
 - ✓ Enable editor tracking on a feature class
 - ✓ View data attributes
 - ✓ Run the Enable Editor Tracking tool
 - ✓ Make an edit

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Course Outline

✓ Day 02

Creating 2D Features:

- ✓ How to create a Feature?
- ✓ Feature Creation Workflow.
- ✓ How to manage Feature Templates?
- ✓ How to Create 2D Features Using Feature Templates? “Practical Exercise”.

Maintaining Spatial Integrity:

- ✓ Snapping
- ✓ Editing grid
- ✓ Dynamic constraints
- ✓ Undo/redo stack
- ✓ Use placement tools to create features “Practical Exercise”.

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Course Outline

✓ Day 03

Modifying 2D features:

- ✓ Evaluate geometry for modification
- ✓ Feature modification workflow
- ✓ Modification tools.
- ✓ Modify Existing Features “Practical Exercise”.

Editing attributes

- ✓ Managing attributes.
- ✓ Investigating attributes.
- ✓ Using the geodatabase schema in attribute edits.
- ✓ Edit Attributes in ArcGIS
- ✓ Pro “Practical Exercise”.

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Course Outline

✓ Day 04

How to use map topology while editing? “Practical Exercise”.

- ✓ Comparing the map and the geodatabase topology
- ✓ Use geodatabase topology to maintain spatial integrity “Practical Exercise”.
- ✓ How to create an Annotation?
- ✓ Modifying Annotation.
- ✓ Using the Attributes pane to modify an annotation.

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Course Outline

✓ Day 05

Introduction to Create and Modify 3D features.

- ✓ Points, Lines, and polygons in 3D.
- ✓ Creating a new Multipatch Feature “Practical Exercise”.
- ✓ How to modify 3D Data in ArcGIS Pro?
- ✓ Modify Multipatch data in ArcGIS Pro “Practical Exercise”.
- ✓ Introduction to ArcGIS Pro editing workflow.
- ✓ Comparing the feature creation and modification workflows.
- ✓ Apply the feature editing workflow “Practical Exercise”.
- ✓ Final Workshop.

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Sept. 28, 2026	Oct. 2, 2026	5 days	4250.00 \$	UAE , Dubai
Dec. 28, 2026	Jan. 1, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
Jan. 11, 2027	Jan. 15, 2027	5 days	4250.00 \$	UAE , Dubai
April 19, 2027	April 23, 2027	5 days	4950.00 \$	Spain , Barcelona

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