

# \*PROCESS

start

Step 1

Step 2

Step 3

How to split a process into steps  
- open stream  
- for split - option 1 and 2

DATA MANAGEMENT AND BUSINESS INTELLIGENCE | DMBI-018

## ArcGIS Pro: Essential Workflows

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# Course content

## Why Attend

ArcGIS Pro is a powerful Geographic Information System (GIS) platform that enables professionals to visualize, analyze, and manage spatial data for better decision-making. This course provides participants with practical skills to efficiently use ArcGIS Pro for mapping, spatial analysis, data management, geoprocessing, and professional cartographic production across a wide range of industries.

## Course Methodology

- The course combines instructor-led demonstrations, hands-on laboratory exercises, practical mapping projects, guided workshops, case studies, and real-world GIS applications to ensure participants gain practical experience using ArcGIS Pro.

## Course Objectives

- Navigate and use the ArcGIS Pro interface efficiently
- Create, edit, and manage spatial and attribute data
- Perform common GIS analysis and geoprocessing tasks
- Produce professional-quality maps and layouts
- Apply spatial analysis techniques to support decision-making
- Manage GIS projects and geodatabases effectively

## Target Audience

- GIS analysts and technicians
- Urban and regional planners
- Surveying and mapping professionals
- Environmental specialists

# Course outline

## Detailed course outline

Day-by-day outline for ArcGIS Pro: Essential Workflows.

### Day 1 - Getting Started with ArcGIS Pro

- Understanding GIS concepts and the capabilities of ArcGIS Pro
- Navigating the ArcGIS Pro interface and project environment
- Creating and managing GIS projects and map views
- Working with spatial data, layers, and coordinate systems
- Connecting to geodatabases, online services, and external data sources
- Managing project files and organizing GIS resources efficiently

### Day 2 - Managing, Editing, and Visualizing Spatial Data

- Creating and editing spatial features and attribute information
- Managing feature classes, geodatabases, and data structures
- Applying symbology, labeling, and thematic mapping techniques
- Performing attribute queries and spatial selections
- Maintaining data quality through editing and validation tools
- Practical exercise: Building and managing a GIS dataset



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### Day 3 - Spatial Analysis and Geoprocessing

- Understanding geoprocessing tools and workflow automation
- Performing buffer, overlay, clipping, and spatial join analyses
- Conducting proximity, network, and suitability analyses
- Applying raster and vector analysis techniques for decision support
- Managing geoprocessing models and reusable workflows
- Practical workshop: Solving real-world spatial analysis problems

### Day 4 - Map Design, Visualization, and Data Sharing

- Designing professional maps using cartographic principles
- Creating layouts with legends, scales, grids, and map elements
- Developing interactive visualizations and 3D scenes
- Publishing maps and sharing GIS content with stakeholders
- Exporting maps, reports, and digital products in various formats
- Applying best practices for communicating spatial information effectively



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### Day 5 - Advanced Workflows and GIS Project Management

- Managing enterprise geodatabases and collaborative GIS projects
- Automating repetitive GIS tasks using geoprocessing tools and task workflows
- Integrating ArcGIS Pro with web GIS and cloud-based GIS services
- Optimizing GIS workflows for efficiency and performance
- Troubleshooting common GIS challenges and data issues
- Final practical project: Developing a complete GIS workflow from data preparation to map production and analysis

# Seminar dates

## Available seminar dates

Live dates and pricing for ArcGIS Pro: Essential Workflows generated from the course details page.

Date	Location	Format	Fee
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