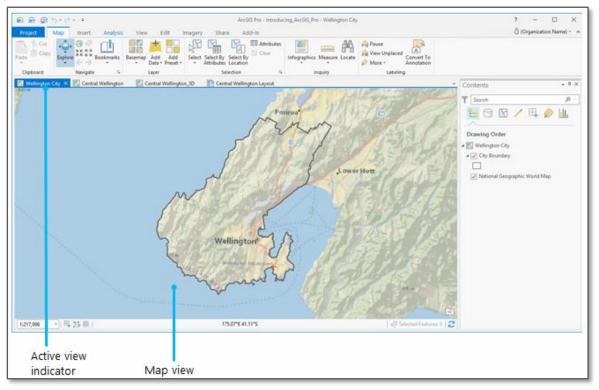# ArcGIS Pro: Essential Workflows

Register now

SGD$1,440 / pax

Level: Beginner | Course duration: 3 days

Extend your foundational GIS knowledge, get comfortable with the ArcGIS Pro application, and explore some of the most common GIS workflows.

What is the course about?

Designed for individuals with an introductory-level knowledge of GIS concepts and limited ArcGIS experience, you will explore ArcGIS Pro capabilities in this course as you become comfortable working with this new desktop application. The course emphasises common GIS workflows and best practices to map, manage, analyse, and share GIS data and resources, allowing you to acquire the essential skills required to be productive with ArcGIS Pro.

Who is the target audience?

Data Editors, GIS Analysts, GIS Database Designers, Map Designers and GIS Desktop Application Developers.

Are there any prerequisites?

Completion of Getting Started with ArcGIS Pro or equivalent knowledge is required.

What skills will I learn?

After completing this course, you will be able to:

- Combine data from different sources to create accurate, informative maps
- Organise, create, and edit geographic data to keep it accurate and up to date
- Symbolise map features to support 2D and 3D visualisation
- Design an attractive page layout for maps that will be printed
- Analyse GIS data to solve spatial problems and create new information
- Share maps, analysis results, and geoprocessing models so they are easily accessible to colleagues, decision makers, or the public

Course topics

Getting started with ArcGIS Pro

- Sign in to ArcGIS Pro
- Locate and use common functionality

Creating geodatabase data

- Common GIS data sources
- Convert data into the geodatabase
- Importing subsets of data
- Create and export subsets of data using queries

Using ModelBuilder for data conversion

- Uses of ModelBuilder
- Using models to automate processes
- Build a model to convert multiple shapefiles

Visualizing data

- Symbolising layers
- Classifying numeric data
- Symbolise vector data
- Set scale dependencies and definition queries
- Control the visibility of features

Adding text to the map

- Labelling basics
- Add and modify labels
- Label classes
- Create label classes and scale dependencies

Visualizing data in 3D

- Why should you use 3D?
- Local and global scenes
- Scene, Ground, and Custom elevation surface
- Extrude features
- Work with 3D scenes

Create features from tabular data

- Ways to create points from tabular data
- Display x,y coordinate data
- Geocoding addresses
- Address locators
- Geocode address locations

Relating tabular data

- Associating tables
- Cardinality
- Joins and relates
- Join and relate tabular data

Course topics (cont.)

Creating new features

- Creating features and attributes
- Edit features and attributes

Modifying existing features

- Why modify features?
- Feature modification tools
- Use feature modification tools

Using ModelBuilder for analysis

- Types of analysis
- ModelBuilder and analysis
- Selecting by attributes and buffering
- Create a model to solve spatial problems

Sharing a static map

- Layout design
- An improved map design
- Create a layout and add map elements
- Create and share a map

Sharing dynamic maps

- Dynamic sharing
- Sharing roles and permissions
- Sharing content to ArcGIS Online
- Package data using ArcGIS Pro