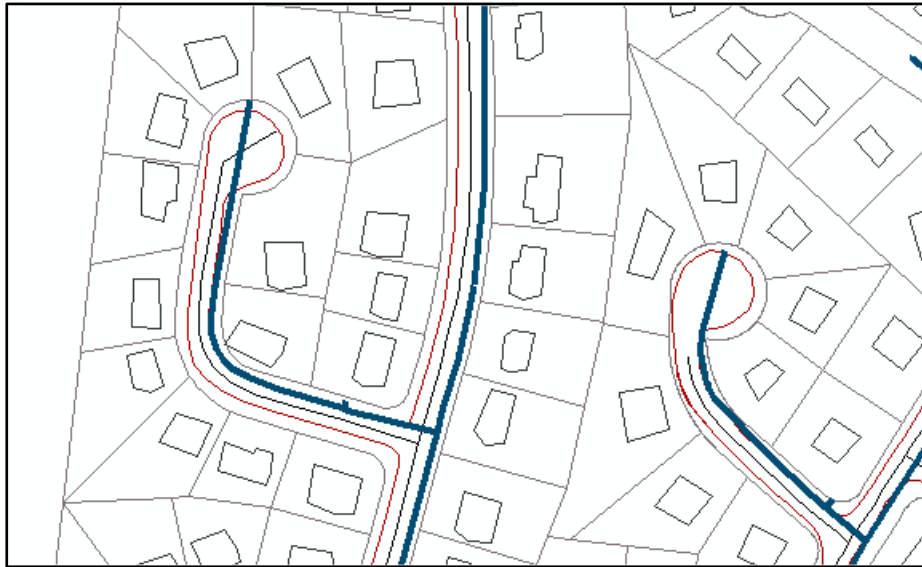# Working with CAD in ArcGIS

Register now

SGD$480 / pax

Level: Intermediate | Course duration: 1 day

Learn how to display CAD data with GIS layers in ArcGIS, use CAD data in geoprocessing and analysis operations, and import CAD data into a geodatabase. Techniques and best practices for data conversion to support integrated CAD-GIS workflows are covered.

What is the course about?

Working with CAD in ArcGIS provides knowledge on how to leverage CAD data in ArcGIS and look at common problems encountered in this area. Learn how to use unconverted CAD data in GIS and how does CAD data interprets into GIS feature classes.

Who is the target audience?

ArcGIS users who want to know how are CAD data being utilised in the ArcGIS environment for Analysis and Geoprocessing workflows besides the basics of simply translation of data.

Are there any prerequisites?

- Completion of ArcGIS 1: Introduction to GIS and ArcGIS 2: Essential Workflows or equivalent knowledge is required

What skills will I learn?

After completing this course, you will be able to:

- Transform, use and manage CAD data in ArcGIS
- Understand how CAD data can be used in data management and analysis

esri Singapore

Course topics

Managing CAD data in ArcGIS

- CAD formats and versions
- ArcGIS direct-read capabilities
- CAD model and structure in ArcGIS

Using CAD data in ArcGIS

- Modifying CAD symbology in ArcMap
- Selecting CAD features – attributes values and spatial relationships
- Geoprocessing with CAD data

Transforming CAD files

- Link table
- Universal world file
- Creating projection file

Converting CAD files into GIS

- Converting using geoprocessing tools
- Displaying text data in CAD
- Tips for converting and preparing CAD data for GIS

Creating CAD drawings from GIS data

- Exporting GIS feature classes
- Understanding blocks/cells
- Mapping specification for CAD (MSC)

CAD workflows and best practices

- Repairing data in CAD
- Create GIS feature attributes from CAD entities
- Automate common CAD workflows
- Edit a geometric network using CAD data