

AutoCAD Map 3D for Geospatial

Course Description

Teaches the geospatial features and functions of AutoCAD® Map 3D. Delegates learn:

- How to create, manage and analyse geospatial data.
- The fundamental of the geospatial tools in AutoCAD Map 3D.
- Key theory and techniques that you need to use the application effectively.
- Advanced geospatial features.

Course duration: 2 days

Courseware provided: Yes.

Who Should Attend

Users of AutoCAD Map 3D who want to use geospatial data. Upon successful completion of this course you will be able to:

- Establish a geospatial environment.
- Edit geospatial features.
- Manage geospatial features using buffers and Bulk Copy.
- Use workflows to automate geospatial processes.
- Use job processes to solve geospatial problems.

Prerequisites

Delegates must have a working knowledge of:

- Standard AutoCAD. You should be familiar with the techniques taught in our *AutoCAD Essentials* course.
- AutoCAD Map 3D. You should be familiar with the techniques taught in our *AutoCAD Map 3D Essentials* course.
- A recent version of Microsoft Windows.

Course Outline

Establishing a Geospatial Environment

- Connecting to a Feature Source
- Working With Point Data
- Using Coordinate Systems
- Query Features on Connect

Stylizing Features

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Editing Features

- Editing Feature Attributes and Geometry
- Working with DEM Files
- Moving Data Between DWG™ Objects and FDO Features
- Merging and Splitting Features

Managing Features

- Using Bulk Copy
- Using Joins with Feature Sources
- Using Buffers
- Using Calculated Properties
- Adding Geospatial Data Validation
- Using Overlay Analysis

Workflows

- Using Workflow Designer for Overlay Analysis

Job Processes

- Updating Parcels with a Newly Subdivided Zoning Area
- Creating a Map Using Cartographic Standards
- Sharing Geospatial Data with a Third Party

Please note: Course topics may be modified by the instructor based upon the knowledge and skill level of the course participants.

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