

AutoCAD Map 3D Essentials

Course Description

This course guides delegates through the fundamental features of AutoCAD Map 3D, teaching:

- How to create, manage and analyse mapping data.
- Advanced AutoCAD Map 3D features.

Course duration: 2 days

Courseware provided: Yes.

Who Should Attend

New users of AutoCAD Map 3D.

Upon successful completion of this course you will be able to:

- Work with the AutoCAD Map 3D user interface.
- Create and edit geometry.
- Link and manage drawing-based attribute data.
- Use object classification.
- Import and export drawing-based data.
- Work with raster images.
- Work with source drawings.
- Use source drawing queries.
- Stylise drawings.
- Use topology and spatial analysis.
- Plot maps.

Prerequisites

Delegates must have a working knowledge of:

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

Course Outline

Getting Started

- The AutoCAD Map 3D User Interface

Creating and Editing Geometry

- Using Coordinate Geometry
- Performing Drawing Cleanup

Linking and Managing Drawing-Based Attribute Data

- Creating and Attaching Object Data
- Editing and Managing Object Data
- Creating Dynamic Annotation
- Connecting to a Database
- Defining a Link Template and Linking Records to Objects
- Using Database Information in a Drawing

Using Object Classification

- Setting Up Object Classification
- Classify, Select, and Create Classified Objects

Importing and Exporting Drawing-Based Data

- Importing and Exporting Data

Working with Raster Images

- Inserting Raster Images
- Modifying Raster Image Properties and Behavior

Working with Source Drawings

- Attaching Source Drawings
- Working with Coordinate Systems

Using Source Drawing Queries

- Define Property and Location Queries
- Defining Data Queries
- Compound Queries
- Altering Properties During Queries
- Using the Query Library
- Save Back to Queried Objects

Stylising Drawings

- About the Display Manager
- Creating Display Maps
- Creating Thematic Maps

Using Topology and Spatial Analysis

- Creating Network Topologies
- Network Topology Analysis
- Creating Polygon Topologies
- Polygon Topology Analysis

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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