

Map 3D - A Practical Guide

Course | 3 days *

Class Hours | 8:30am - 4:30pm



Map 3D – A Practical Guide is designed for new and existing users of AutoCAD MAP 3D. You will discover how to create, manage and analyze mapping data. Topics considered essential to using AutoCAD MAP 3D software are covered in detail. This lecture with hands–on class exercises will show you how to link to external databases. Use of topology, Spatial Analysis and Raster Images are also covered.

Prerequisite: AutoCAD Fundamentals and a working knowledge of Microsoft Windows Operating System.



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Visit mwcad.com for a complete class schedule or call us at 800-279-3221.

*The suggested course duration is a guideline. Course topics and timeline may be modified by the instructor based upon the knowledge and skill level of the course participants.

Map 3D Interface

- Navigating the Interface

Creating and Editing Geometry

- Assigning a Coordinate System
- Coordinate Tracking
- Digitizing Points
- Drafting Commands and Procedures
- Drawing Cleanup

Working with Attribute Data

- Attribute Concepts
- Defining Object Data Tables
- Attaching Object Data to Objects
- Editing Object Data and Object Data Tables
- Attaching External Databases
- Working with Data View
- Defining a Link Template
- Establishing Dynamic Annotation
- Inserting and Managing Dynamic Annotation

Object Classification

- Creating Definition Files
- Classifying Existing Objects
- Creating New Classified Objects

Raster Images

- Inserting Raster Images
- Managing Raster Images

Importing and Exporting

- Importing GIS Formats
- Exporting GIS Formats

Connecting to Feature Sources

- Concepts
- Connecting to SDF and SHP
- Feature Layers
- Connecting to Images and Surfaces
- Connecting to ODBC Point Feature Source
- Working with Survey Data Stores

Stylizing Features

- Lines, Points, Polygons
- Raster Surfaces
- Creating and Applying Styles

Working with Features

- Filters and Queries
- Editing Feature Geometry
- Bulk Copy

Using Source Drawings & Queries

- Managing Source Drawings
- Executing Location and Property Queries
- Executing Data Queries
- Save-Back

Working with Topologies

- Creating Network Topologies
- Creating Polygon Topologies
- Topology Analysis

Map Output

- Creating Map Books