



AutoCAD Map 3D: Essentials

Course Length: 3 Days

This training course introduces users to drawing-based and geospatial features within the AutoCAD® Map 3D software. Users learn about the features and functions of the AutoCAD Map 3D software, including how to create, manage, and map data. The training course covers the fundamental topics of the AutoCAD Map 3D software.

Topics Covered:

- Understand the AutoCAD Map 3D user interface.
- Create and edit mapping geometry.
- Link and manage drawing-based attribute data.
- Use object classification.
- Connect to geospatial features.
- Edit geospatial features.
- Import and export drawing-based data.
- Work with raster images.
- Work with source drawings.
- Use source drawing queries.
- Stylize drawings and geospatial features.
- Create Map Books and plot maps.
- Use Survey Data with AutoCAD Map 3D's Survey Data Stores.
- Work with AutoCAD Map 3D's Industry Models.

Prerequisites:

- Experience with AutoCAD or AutoCAD-based products and a sound understanding and knowledge of Mapping and GIS terminology.
- Working knowledge of Microsoft® Windows® software.

Course description shown for AutoCAD Map 3D 2021. Topics, curriculum, and/or prerequisites may change depending on software version.

Learning Guide Contents

Chapter 1: Getting Started

- Lesson: AutoCAD Map 3D User Interface

Chapter 2: Creating and Editing Geometry

- Lesson: Using Coordinate Geometry
- Lesson: Performing Drawing Cleanup

Chapter 3: Drawing-Based Attribute Data

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

Chapter 4: Object Classification

- Lesson: Setting Up Object Classifications
- Lesson: Classify, Select, and Create Classified Objects

Chapter 5: Importing and Exporting Data

- Lesson: Importing and Exporting Data

Chapter 6: Establishing a Geospatial Environment

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

Chapter 7: Editing Features

- Lesson: Editing Feature Attributes and Geometry
- Lesson: Moving Data Between DWG Objects and FDO Features
- Lesson: Merging and Splitting Features
- Lesson: Enhanced Data Exchange

Course description shown for AutoCAD Map 3D 2021. Topics, curriculum, and/or prerequisites may change depending on software version.

Chapter 8: Raster Images

- Lesson: Inserting Raster Images
- Lesson: Modifying Inserted Raster Image Properties and Behavior
- Lesson: Connecting to Raster Images
- Lesson: Working with DEM Files

Chapter 9: Source Drawings

- Lesson: Attaching Source Drawings
- Lesson: Working with Coordinate Systems

Chapter 10: Source Drawing Queries

- Lesson: Define Property and Location Queries
- Lesson: Altering Properties During Queries
- Lesson: Using the Query Library
- Lesson: Save Back to Queried Drawings

Chapter 11: Stylizing

- Lesson: About the Display Manager
- Lesson: Stylizing FDO Features

Chapter 12: Plotting Maps

- Lesson: Prepare a Layout Sheet for Review
- Lesson: Map Books

Chapter 13: Survey Data

- Lesson: Creating Survey Data Stores
- Lesson: Working with Survey Data Stores

Chapter 14: Industry Models

- Lesson: Open, Edit, and Create an Industry Model

Appendix A: Additional Exercises

- Lesson: Point Clouds

Course description shown for AutoCAD Map 3D 2021. Topics, curriculum, and/or prerequisites may change depending on software version.

Cancellation Policy

The following cancellation policy shall apply to all training engagements, LIVE Online, Consulting Services and Dedicated/Custom Training:

- Company reserves the right to reschedule or cancel the date, time and location of its class at any time. In the event that a Training Class is cancelled by Company, Customer is entitled to a full refund. Company shall not be responsible for any other loss incurred by Customer as a result of a cancellation or reschedule.
- For Customer cancellations when written notice is received (i) at least ten (10) business days in advance of the class, the Customer is entitled to a full refund of its payment or reschedule enrollment, (ii) less than ten (10) business days, Customer shall not be entitled to a refund, but shall receive a class credit to be used within three (3) months of the date of the original class.
- Student substitutions are acceptable with at least two (2) days prior notice to the class, provided substitution meets course prerequisites and is approved by Company's Training Coordinator (trainingcoordinator@rand.com)
- For all Training orders, cancellation notices must be submitted to trainingcoordinator@rand.com. Company is not responsible for any error in the delivery of the email notice. In the event of any reschedule of Consulting Services and/or Dedicated/Custom Training by Customer, Company will invoice Customer for all non-cancellable travel expenses.

To request more information or to see training locations, visit www.imaginit.com/contact-us.