

Syllabus Autodesk AutoCAD Map 3D Fundamentals

Brief Synopsis of Class Contents:

AutoCAD® Map 3D software provides access to GIS and mapping data to support planning, design, and data management. In this introductory course, students learn the fundamental features and functions of AutoCAD® Map 3D, including how to create, manage, and analyze mapping data. This course is intended for Government and private sector GIS Professionals who need to integrate CAD data with real-world spatial information.

Learning Objectives:

- Describe the Autodesk Map 3D user interface.
- Create and edit 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.
- Plot maps.
- Use Survey Data.
- Use Lidar Data.
- Work with Industry Models

Courseware:

Ascent Autodesk AutoCAD Map 3D Fundamentals

Number of Days:

5 Half Day Sessions

Continuing Education Hours:

18 hours

Who Should Attend:

Architects, Engineers and Master Planners

Prerequisites:

AutoCAD fundamentals knowledge and experience.

System and Software Requirements:

<http://www.asti.com/LiveLab-Learning-and-Training/LiveLab-System-Requirements>

FAQs and Cancellation Policy:

<http://www.asti.com/LiveLab-Learning-and-Training/LiveLab-FAQS>

Class Outline and Topics:

Chapter or Main Topic

- The AutoCAD Map 3D User Interface
- AutoCAD Map 3D Workspaces
- AutoCAD Map 3D User Interface
- AutoCAD Map 3D Taskpane
- Creating and Editing Geometry
- Using coordinate Geometry
- Performing Data Cleanup
- Linking and Managing
- Creating and Attaching Data
- Connecting to a Database
- Defining a Link Template
- Using Object Classification
- Setting up Object Classification
- Classify, Create and Select
- Importing and Exporting Drawing-Based Data
- Importing and Exporting Data
- Arcview Shapefiles
- Establishing a Geospatial Environment
- Connecting to a Feature Source
- Using Coordinate Systems
- Working with Point Data
- Working with Raster Images
- Inserting Raster Images
- Connecting to Raster Images
- Working with DEM Files
- Working with Source Drawings
- Attaching Source Drawings
- Working with Coordinate Systems
- Drive Aliases
- Styling Drawing Features, Maps and Survey
- About the Display Manager
- FDO Features, Map books
- Survey Data
- Industry Models
- Open and Edit
- Import data
- FDO data Store

