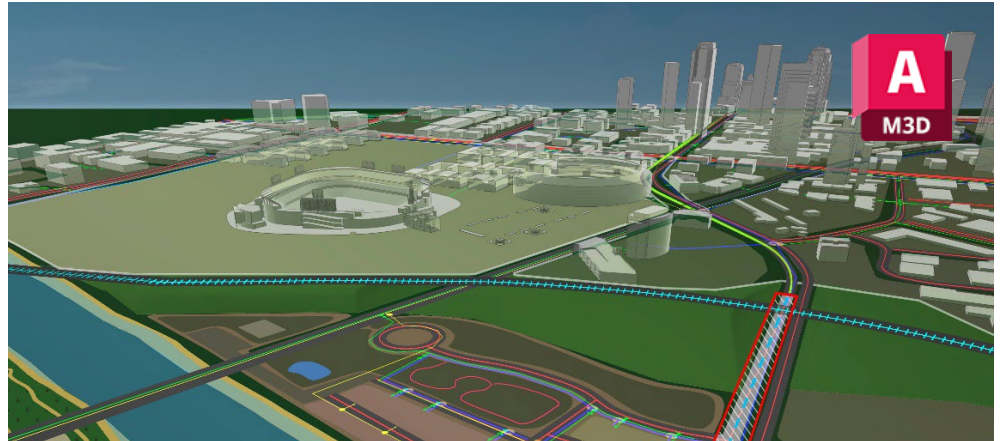


AutoCAD Map 3D Essentials

Training course outline

AutoCAD Map 3D is the industry leading spatial data creation software.

AutoCAD Map 3D Essentials training provides a thorough grounding in the application for beginners. On completion you will be able to use AutoCAD Map 3D to create and manage mapping data.



Course summary

Teaches:

- The fundamentals of the AutoCAD Map 3D specialised toolset, and techniques for creating, managing and analysing mapping data.
- The geospatial features and functions available to create, manage and analyse geospatial data.

Duration

2 days.

Who should attend?

Newcomers to AutoCAD Map 3D and novice AutoCAD Map 3D users who want a thorough grounding in the application and its key features.

Prerequisites

You should have a good working knowledge of AutoCAD for 2D drafting, i.e. be familiar with the topics taught in our *AutoCAD Essentials* course (see armada.co.uk/autocadess/syllabus).

In-class or live online

You can attend in-person at our centres, or participate live online from your place of work or home.

To read about our approach to online training, see armada.co.uk/liveonline.

General information

Armada is a long-standing Autodesk authorised Training Centre (ATC), and our courses are accredited by Autodesk.

Courses are hosted by Autodesk Certified Instructors (ACIs) with vast experience of using the application professionally.

Whilst attending training at our centres, you'll have the use of a computer running licensed software to practice the techniques taught.

Refreshments and lunch are provided.

Course fees can be paid by card or bank transfer. We accept purchase orders from UK-registered companies and public sector organisations.

Course materials and certificate

You'll receive:

- A comprehensive training guide and practice files.
- An e-certificate confirming successful completion of an accredited *AutoCAD Map 3D Essentials* course.

Method of delivery

Training is designed for the busy professional, being short and intensive and combining lecture and demonstration. Practical exercises carried out under guidance help you learn the techniques taught.

You have ample opportunity to discuss specific requirements with the trainer.

After course support

Following training, you're entitled to 30 days' email support from your trainer.

Further information

See armada.co.uk/course/m3d.

Course syllabus

See over.

Follow-on courses

- [Advanced AutoCAD Map 3D](#) (3 days).
- [AutoCAD Map 3D for Geospatial](#) (2 days).

Course syllabus

Topics	Sub-topics
Getting Started	<ul style="list-style-type: none"> The AutoCAD Map 3D user interface Drawing settings Coordinate systems
Linking and Managing Drawing-Based Attribute Data	<ul style="list-style-type: none"> Object data: <ul style="list-style-type: none"> Creating and attaching object data Editing and managing object data Creating dynamic annotation Database-linked data: <ul style="list-style-type: none"> Connecting to a database Defining a link template Linking records to objects Querying from the database Using database information in a drawing
Using Object Classification	<ul style="list-style-type: none"> Setting up an object classification Classifying, selecting, and creating classified objects
Importing & Exporting Drawing-Based Data	<ul style="list-style-type: none"> Importing and exporting GIS data, e.g. ESRI, MapInfo, etc.
Working with Raster Images	<ul style="list-style-type: none"> Inserting raster images Managing raster images through an attached drawing Modifying raster image properties and behaviour
Source Drawings	<ul style="list-style-type: none"> Working with source drawings: <ul style="list-style-type: none"> Attaching source drawings Drawing aliases Using source drawing queries: <ul style="list-style-type: none"> Defining property and location queries Defining data queries Compound queries Altering properties during queries Using the query library Saving back new and queried objects

Topics	Sub-topics
Drawing Presentation	<ul style="list-style-type: none"> Stylising Drawings: <ul style="list-style-type: none"> About the Display Manager Creating display maps Creating thematic maps Plotting maps: <ul style="list-style-type: none"> Map books Drawing output formats
Establishing a Geospatial Environment	<ul style="list-style-type: none"> Connecting to a feature source Working with point data Using coordinate systems Query features on connect
Managing Features	<ul style="list-style-type: none"> Using bulk copy Using joins with feature sources Using buffers Using calculated properties Adding geospatial data validation Using overlay analysis
Stylising Features	<ul style="list-style-type: none"> Stylising features Enhanced feature styles
Workflows	<ul style="list-style-type: none"> Using workflow designer for overlay analysis
Editing Features	<ul style="list-style-type: none"> Editing feature attributes and geometry Working with DEM files Moving Data Between DWG™ objects and FDO features Merging and splitting features
Job Processes	<ul style="list-style-type: none"> Updating parcels with a newly subdivided zoning area Creating a map using cartographic standards Sharing geospatial data with a third party