

Autocad

This course focuses on teaching the commands and settings needed to produce high-precision drawings using AutoCAD. By the end of the course, participants will be able to generate drawings related to the construction industry, simple 3D models, and exploded views of scale models.

The course lasts 4 weeks and can be delivered in either of the following formats:

- Saturdays (8:00–11:00 – break – 11:15–14:00)
- Two weekdays (18:00–21:00) *to be agreed upon

Online:

- \$ 450 _____ 1 Person
- \$ 420 _____ 2-4 Persons
- \$ 380 _____ +5 Persons

Syllabus

AutoCAD Interface

- Start window, main menu, ribbon
- Status bar, view cube, general interface
- Command and units setup
- Coordinate system configuration

Dimensions

- Linear dimensions
- Angular dimensions
- Radial dimensions
- Aligned dimensions
- Continuous dimensions

Text

- Single-line text
- Multiline text
- 3D text
- Explode text

Layers

- Create new layer
- Copy similar
- Plot visibility
- Turn on/off
- Freeze and lock

Commands

- Copy • Scale
- Trim • Move
- Paste • Stretch
- Erase • Array
- Chamfer
- Mirror
- Extend

Lines

- Basic lines
- Polylines
- Extension lines
- Arcs and circles
- Polygons
- Convert

Status Bar

- Snap and grid mode
- Manage XREF
- Isometric drafting
- Scales and orthomode
- Clean screen
- Polar tracking
- Lineweight and workspace

Annotation

- Labels
- Multileaders
- Revision clouds
- Wipeouts

Hatches

- Hatch types
- Hatch scale
- Explode hatch

Schedules

- Table types
- Properties
- Content and links

Blocks

- Simple blocks
- Dynamic blocks
- Create and explode

XREFs

- XREF types
- Import DWG
- Bind and detach

Plot

- Layout setup
- Print scale
- Viewport types

3D Commands

- Polysolid • Union
- Extrude • Loft
- Revolve • Box
- Smooth • Sweep
- Subtract

Scale Models

- Methodology for creating model exploded views
- Cutting file creation
- Materials

* Each participant must have their own equipment. If you do not have AutoCAD, we will install it for you.

* For in-person courses, classes will be held at your home or at our offices.

* Our prices do not include VAT.