

AutoCAD – Fundamentals

Description

AutoCAD is the most used computer-aided design (CAD) software. Published by Autodesk, AutoCAD is currently recognized as the global standard for CAD. This multidisciplinary software is used for various trades in many sectors, such as industry and design, architecture and building, mechanics, topography, etc.

Course Content

Module 1: CAD / CAD Tool Overview

- The product and its environment
- Role and Usage of Devices in AutoCAD
- The GUI
- Principles of Use

Module 2: Command Groups

- The different accesses to commands
- The Command Line

Module 3: Managing the Work Environment

- Options Dialog
- Choosing your workspace

Module 4: 2D Drawing

- Choosing your units of measurement
- Screen Management
- The limits of drawing
- Coordinate Systems
- Creating simple 2D objects and their options
- Drawing Help Tools
- Object Selection

Module 5: 2D Drawing Modification Selections

- Hand Selections / Deselections
- Using the object / action mode

Module 6: Layer Management

- Creation
- Changing the layer of objects
- Setting Parameters
- The different layer states

Module 7: Properties

- View and Modify Simple Objects
- Editing Properties

Module 8: Hatching

- Models and types
- Hatching methods and main options
- The main tools for changing hatches

Module 9: Intelligence Orders

- Locating a Point, Distance, Area, List
- Quick Measure

Module 10: Texts and Annotations

- "Static" and "Annotative" text styles
- The Line Text
- The multiline text and its main options
- Editing texts

Module 11: The Quotation

- "Static" and "Annotative" Rating Styles
- The main rating tools

Module 12: Multiple Benchmarks

- "Static" and "Annotative" cue styles
- The main tools for setting multiple benchmarks
- Multiple Landmarks Style

Module 13: Layout and Printing

- Layout Manager
- Presentations and Object Space
- Choosing printers and plotters
- Choosing paper sizes and units

Module 14: Blocks

- Storing Blocks
- The Block Palette
- The relationship between blocks and layers
- Defining and Creating Simple Blocks
- Define Drawing Units and Blocks
- Inserting Blocks Using the Design Center
- The Main Functions of the Design Center

Module 15: Deleting Unused Items from the Drawing

- The "purge" command
- Select non-purgeable item

Documentation

- Digital courseware included

Participant profiles

- Architects
- Engineers
- Manufacturers
- Designers
- Industrial Designers

Prerequisites

- Good knowledge of the usual computer tools and the Windows environment (file and folder management)

Objectives

- Use the main drawing and editing tools
- Use and organize features using layers
- Use the main annotation tools (Texts, Dimensions and Landmarks)
- Make a layout on "scale" including annotations

Niveau

Fondamental

Classroom Registration Price (CHF)

3200

Virtual Classroom Registration Price (CHF)

3000

Duration (in Days)

4

Reference

ATC-01