orsys
TRAINING

AutoCAD 2D: Getting started
remote TOSA® certification optional

Hands-on course of 3 days - 21h
Ref.: ATD - Price 2025: 1 610 (excl. taxes)

EDUCATIONAL OBJECTIVES
At the end of the training, the trainee will be able to:

Discover the AutoCAD graphical user interface, workspace, and help

Create and edit 2D drawings

Construct precise geometrical figures

Use and configure layers

Develop complex plans with mark-up

Create a template with the style guide and CAD standard

TEACHING METHODS

Active learning based on examples, demonstrations, experience-sharing, real cases, and an evaluation of what was learned from the training.

HANDS-ON WORK

Discussions, experience-sharing, demonstrations, tutorials, and real cases.

CERTIFICATION

If registering for the TOSA® certification option, you must do so at the same time as course registration. The exam is made up of a 60-minute adaptive test with 35 exercises. The result indicates your skill level. Merely taking the course is not sufficient to achieve a maximum score. The exam must be both scheduled and then taken online within 4 weeks following the start of your session.

THE PROGRAMME

last updated: 01/2024

1) Introduction
- The new interface. New Tab page.
- Help window, animated ribbon arrow.
- Choosing tool palettes and saving workspaces.
- File formats.
Hands-on work : Learn about and register for the TOSA® certification option. Managing custom spaces.

2) Creating drawings
- Object creation tools. The 2D polyline and Pedit command.
- Selection methods: Rectangular, path, and properties.
- Basic editing tools: Copy, move, offset, rotate, symmetry, scale, fillet.
- Multiline, multiline scale.
Hands-on work : Creating a drawing.

3) Geometric figures and accuracy
- Object snaps: Endpoint, midpoint, center, perpendicular, parallel, nearest.
- Leaders and magnetic leaders.
- Relative/absolute and rectangular/polar coordinate systems.

- Creating plans with dimensions.
Hands-on work : Designing to scale.

4) Managing and marking up complex plans
- Layers: Use and configuration.
- Text and styles. Linear, angular, and aligned dimensions.
- Smart dimensions. Hatching: Configuration and use.
- Creating internal blocks Customer/external libraries.
Hands-on work : Designing and marking up a plan. Automatically creating measurements based on the context of your drawing.

5) Blocks.
- Links between blocks and layers.
- Defining and associating block attributes.
- Design Center and blocks.
- Extracting data from block attributes.
Exercise : Creating an interactive title block with blocks and attributes.

6) Templates
- Existing templates. Creating a template.
- CAD standard manager and templates.
- Verify a file with the CAD standard.
Hands-on work : Creating a template with the style guide and CAD standard

7) Presentation and layout.
- Layout tools and DWG to PDF format. Model space and paper space.
- Use of layout viewports. Multiple windows.
- Publishing plans: Printer and plotter.
- Electronic distribution. Improved PDF files.
- Attaching PDF files to your drawings.
Hands-on work : Printing plans as PDFs.

DATES

REMOTE CLASS
2025 : 01 sept., 01 déc.