



*Training Course:
AutoCAD (Advanced Levels)*

26 - 30 April 2026

Cairo (Egypt)

Holiday Inn & Suites Cairo Maadi, an IHG Hotel

Training Course: AutoCAD (Advanced Levels)

Training Course code: IT236447 From: 26 - 30 April 2026 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 4100 € Euro

Introduction

The AutoCAD Advanced Levels training program is designed by Global Horizon Training Center to equip professionals with high-level expertise in advanced drafting, 3D modeling, customization, and automation within AutoCAD.

This program is tailored for experienced users seeking to optimize design workflows, manage complex projects, and leverage advanced AutoCAD functionalities to produce highly accurate and efficient technical outputs. Participants will gain in-depth knowledge of 3D modeling, dynamic blocks, external references, rendering basics, and customization tools enabling them to work at a professional and strategic level across engineering, construction, and architectural domains.

Objectives

By the end of this program, participants will be able to:

- Develop complex 2D and 3D models with precision and efficiency
- Apply advanced editing and parametric design techniques
- Create and manage dynamic blocks and reusable libraries
- Work with external references Xrefs in large-scale projects
- Customize AutoCAD environment to improve productivity
- Automate repetitive tasks using scripts and basic AutoLISP concepts
- Produce high-quality layouts, visualizations, and plotted outputs
- Apply industry standards and best practices in advanced drafting

Target Audience

This program is suitable for:

- Senior engineers Civil, Mechanical, Electrical
- Architects and advanced design professionals
- Experienced CAD technicians and draftsmen

- Project managers and technical leads
- BIM coordinators and design specialists
- Professionals with intermediate AutoCAD knowledge seeking mastery

Course Outline

Day 1: Advanced Drawing Techniques & Parametric Design

- Review of advanced 2D drafting techniques
- Parametric constraints and geometric relationships
- Advanced object editing and precision tools
- Working with complex geometries
- Introduction to parametric workflows in design
- Best practices for managing large drawings

Day 2: Advanced Blocks & Data Management

- Creating complex and dynamic blocks
- Advanced attribute management and data extraction
- Block libraries and standards development
- Linking data with external sources
- Efficient reuse of design components
- Practical applications in engineering drawings

Day 3: 3D Modeling & Visualization

- Introduction to 3D workspace and tools
- Creating 3D objects extrude, revolve, sweep, loft
- Solid and surface modeling techniques
- Editing 3D models and modifying geometry
- Applying materials and visual styles
- Basic rendering and visualization techniques

Day 4: External References, Collaboration & Sheet Management

- Advanced Xref management and coordination
- Working with multiple files and team collaboration
- Sheet sets and project organization
- Annotation standards across multiple drawings
- Managing large-scale projects efficiently
- Version control and file optimization

Day 5: Customization, Automation & Output Optimization

- Customizing user interface and workspaces
- Tool palettes and command aliases
- Introduction to scripts and automation
- Basics of AutoLISP for productivity enhancement
- Advanced plotting, publishing, and batch processing
- Final project: developing a complete advanced drawing/model
- Review, feedback, and performance evaluation

Registration form on the Training Course: AutoCAD (Advanced Levels)

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng):

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Payment Method

- Please find enclosed a cheque made payable to Global Horizon
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