

AutoCAD Design & Drafting

A foundational AutoCAD course providing complete training in 2D drafting, technical drawing, engineering documentation, and professional drafting standards. Suitable for careers in architecture, civil, mechanical, interior, electrical design, and general CAD drafting.

Duration 6 Months	Training Mode Offline Classroom Training	Certification Industry Certificate	Practical Labs 100% Hands-on
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Tools & Tech: AutoCAD

Detailed Course Curriculum & Modules

MODULE 01 AutoCAD Fundamentals - Introduction to CAD & AutoCAD Interface - Workspace Customization, Navigation & File Management - Units, Drawing Setup, Coordinate Systems & Drawing Limits - Templates, Standards & Object Properties	MODULE 02 Drawing & Editing Tools - Drawing Commands: Line, Polyline, Circle, Arc, Rectangle, Polygon, Ellipse & Spline - Donut, Point, Construction Lines, Hatch & Gradient Hatch - Modify Commands: Move, Copy, Rotate, Mirror, Scale, Stretch & Offset - Trim, Extend, Fillet, Chamfer, Break, Join, Explode, Array & Align
MODULE 03 Precision Drawing & Layers - Object Snap (OSNAP), Polar Tracking & Object Tracking - Dynamic Input, Grid & Snap, Selection Methods & Inquiry Commands - Layer Creation, Properties, States & Filters - Line Types, Line Weights, Colors & Layer Management Best Practices	MODULE 04 Annotation & Documentation - Single Line Text, Multiline Text (MText) & Text Styles - Dimensions, Dimension Styles, Leaders & Multileaders - Tables, Revision Clouds, Center Marks & Annotation Scaling
MODULE 05 Blocks & External References - Creating Blocks, Block Editor & Dynamic Blocks - Attributes, Attribute Extraction & Design Center - Tool Palettes, External References (XREF) & Block Libraries	MODULE 06 Layouts & Printing - Model Space & Paper Space Concepts - Viewports, Sheet Layouts & Page Setup - Plot Styles, Sheet Sets & Batch Plotting - PDF Export & Printing Standards
MODULE 07 Technical Drafting & Industry Standards - Engineering, Working, Detail & Section Drawings - Elevation, Plan, Isometric & Assembly Drawings - Fabrication & Production Drawings - BIS & ISO Standards, Symbols & Scale Management - Title Blocks, Revision & Drawing Numbering Standards	MODULE 08 Productivity & Advanced Features - Properties Palette, Quick Select & Selection Filters - Parametric & Geometric Constraints - Fields, Data Extraction & Drawing Compare - AutoCAD Shortcuts & Productivity Tips

Practical Projects & Industry Capstones

- Residential Floor Plan
- Commercial Office Layout
- Mechanical Component Drawing
- Furniture Layout
- Electrical Layout
- Working Drawing Set
- Fabrication Drawing
- Assembly Drawing
- Technical Detail Sheet
- Complete Engineering Drafting Project

■ Industry Certification Authorized certificate verified globally via online portal.	■ 100% Placement Support Resume review, mock interviews, and recruiter connections.	■ Lab Access & Mentorship Dedicated workstation lab hours with expert guidance.
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