AutoCAD 2D and 3D Training

COURSE CONTENT

GET IN TOUCH

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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

AutoCAD® 2D and 3D Training by Multisoft Systems offers a comprehensive learning experience for individuals seeking proficiency in AutoCAD®, the widely-used computer-aided design (CAD) software. This course covers both the basic and advanced aspects of 2D drafting and 3D modeling. Participants will learn how to create, edit, and manage 2D geometries, along with exploring the intricate techniques of 3D modeling.

<u>AutoCAD® 2D</u>

Module 1: Introduction & understanding to AutoCAD®, Drafting Settings, Assigning Units

- ✓ Graphic User Interface
- ✓ Point Picking Method
- ✓ Set Drafting Environment
- ✓ Workspace
- ✓ Limits, Units and Documentation
- ✓ Pan, Zoom and Drafting Settings

Module 2: Draw Bar

- ✓ Line
- ✓ Ray
- ✓ Construction line
- ✓ Multiline, Polyline
- ✓ 3D Polyline
- ✓ Polygon
- ✓ Rectangle
- ✓ Helix
- ✓ Arc
- ✓ Circle
- ✓ Donut
- ✓ Spline
- ✓ Ellipse
- ✓ Point
- ✓ Hatch
- ✓ Boundary
- ✓ Region

✓ Donut

Module 3: Modify Tools & Geometric Relationship

✓ Copy
✓ Mirror
✓ Array
✓ Scale
✓ Erase
✓ Divide
✓ Measure
✓ Spline
✓ Edit
✓ Offset
✓ Move
✓ Rotate
✓ Trim
✓ Extend
✓ Chamfer
✓ Fillet
✓ Explode
✓ Polyline Edit
✓ Align
✓ Stretch
✓ Draw order

Module 4: Object Properties, Layers & Utility toolbar

✓ Properties
✓ Layer
✓ Utility toolbar
✓ Calculator

✓ Id point

Module 5: Annotations and Hyperlink

- ✓ Text (Single line and multiline)
- ✓ Text Style
- ✓ Dimension Style and Dimensions
- ✓ Table and Table style
- ✓ Multi-Leaders
- ✓ Markup tools
- ✓ Hyperlink

Module 6: Blocks, Design Centre, Tool Pallets, External References, OLE, Raster Images, Creating Group

- ✓ Block- Insert
- ✓ Create
- ✓ Edit
- ✓ Write Block
- ✓ Tool Palette
- ✓ Design Centre
- ✓ OLE
- ✓ Groups
- ✓ Imaging

Module 7: Layout Management, Plotting & Printing, Set Paper Space

- ✓ Layouts
- ✓ Viewport Settings
- ✓ ISO paper Setting
- ✓ Page Setup

✓ Plot and Print Area Setup

✓ Make Drawing Format

AutoCAD® 3D

Module 1: Understanding 3D Environment

✓ Visual style, Views, Navigation, 3d UCS Features, 3D states (solid, surface, thicken), Concept of Region, Boundary & Polyline edit

✓ Primitive solids (Box, Torus, cylinder etc.)

✓ Derived solids (Extrude and Revolve)

Module 2: 3D Draw & Modify Tools

✓ 3D Polyline

✓ 3D-Array, Move, Rotate, Scale, Mirror, Align

✓ Geometric Parameters

✓ Polysolid, Press and pull

✓ Derived solid - Sweep and Loft

Module 3: Solid Editing, Advance 3d Concepts & Surface Modeling

✓ Solid Edit - Union, Subtraction, Intersect, Interfere, Slice, Thicken, Shell, Separate, Face Operation, Edge Operation and Conversion

✓ Surface Tools

Module 4: Apply Materials, rendering models, Plotting & Printing of 3d models

✓ Lights, Materials, and Renders

✓ Plotting Models and Generating Print Outs