



Autodesk AutoCAD



About Course

AutoCAD is a commercial computer-aided design (CAD) and drafting software application. Developed and marketed by Autodesk. AutoCAD is also available as mobile and web apps.

AutoCAD is used in industry, by architects, project managers, engineers, graphic designers, city planners and other professionals.

AutoCAD

CURRICULUM

① Introduction of AutoCAD

What is AutoCAD and its types?

What is AutoCAD used for?

Application menu

Quick Access Toolbar

Ribbon Panel

User Coordinate System (UCS)

Model Space / Work Space / Drawing Window

View Cube

Navigation Bar

Model Layout Tab

Function keys

Control Keys

AutoCAD Mouse Controls

AutoCAD Selection method

AutoCAD Units

AutoCAD Limit

② Draw Tool Panel

Creating a Line

Creating a Polyline

Difference between Line and Polyline

Creating a Circle and its type

Creating a Arc and its type

Creating a Rectangle and its type

Creating a Polygon

Creating a Ellipse and its type

Creating a Hatch and its type

Creating a Spline

Creating a Spline CV

Creating a Construction Line

Use of Ray

Creating Multiple Points

Use of Divide

Use of Measure

Creating a Region

Creating a Wipeout

Creating a Dounut

Creating a Rectangular Revision Cloud

③ Modify Tool Panel

How to move the object

- How to rotate the object
- How to copy the object
- How to mirror the object
- How to trim in object
- How to extend in object
- How to fillet in object
- How to chamfer in object
- How to blend curve in object
- How to explode the object
- How to join the object
- How to offset the object
- How to array the object
- How to scale the object
- How to stretch the object
- How to align the object
- How to break the object
- How to break at point the object
- How to reverse the object

4 Annotation Tool Panel

- How to write text in AutoCAD
- How to edit text in AutoCAD
- How to add dimensions
- How to edit dimensions

- How to use leader and its type
- Creating a table

5 Properties Tool Panel

- How to change color
- How to change line weight
- How to change line type
- How to change transparency
- How to use match properties

6 Layers Tool Panel

- What is Layer?
- How to create new layer
- How to edit layer
- How to delete layer
- How to use layer filter
- How to use export layer

7 Block Tool Panel

- How to make and insert block
- How to edit block
- How to make write block



How to edit write block
difference between block and write block

8 Groups Toolbar

How to create group
How to ungroup
How to edit group
How to ON/OFF group

9 Isometric

Isometric introduction in AutoCAD
How to draw a isometric drawing
How to do isometric dimensioning

10 3D Modeling

Extrude
Sweep
Union
Subtract
Intersect
Presspull
Box

Polysolid
Thicken
Fillet edges
Chamfer edges
Taper faces
Shell
Section plane



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