

Module 1

Introduction

- Understanding CAD concepts
- AutoCAD interface & workspace setup
- Drawing units, limits, and coordinate systems

Module 2

Basic Drawing Tools

- Line, circle, arc, polygon, ellipse, spline
- Hatch, gradient, and boundary creation

Module 3

Editing & Modify Tools

- Move, copy, rotate, scale, mirror
- Trim, extend, offset, fillet, chamfer, array

Module 4

Layers, Text & Dimensions

- Layer management
- Text styles, annotations, dimensioning
- Leaders, tables, and blocks

Module 5

Advanced Drafting

- Attributes, external references (XREFS)
- Templates, plotting, and printing

Module 6

2D Projects

- Architectural floor plans
- Mechanical part drawings
- Civil layouts



AutoCAD 3D Modules

Module 7

3D Basics

- 3D workspace setup
- Viewports, UCS, navigation tools

Module 8

3D Modeling Tools

Solid primitives: box, cylinder, cone, sphere, torus

Extrude, revolve, sweep, loft

Module 9

Solid Editing

Union, subtract, intersect

Shell, slice, press-pull

Fillet edge, chamfer edge