Auto CAD
Curriculum

Cad Level 1 - Getting Started With AutoCAD
At the end of this lesson you will be able to launch, draw, and label the AutoCAD screen elements and their functions. You will then be able to communicate with the AutoCAD software.

- Lesson 1-1 X-Y Co-Ordinate System, Inputting Points, The AutoCAD Screen, Basic AutoCAD Terminology
- Lesson 1-2 Intro. To Drawing / Modifying Commands
- Lesson 1-3 More Modifying Commands
- Lesson 1-4 Accurate Input
- Lesson 1-5 Selection Sets
- Lesson 1-6 Modifying Commands
- Lesson 1-7 Modifying Commands
- Lesson 1-8 Layers/Dimensioning/Text
- Lesson 1-9 Direct Distance Entry and Object Tracking
- Lesson 1-10 Changing the Properties Of Objects

Cad Level 2 – Intermediate AutoCAD

- At the end of this lesson you should be plan and move around your document, create and insert plots and hatch.
- Lesson 2-1 Planning a Project-Office Floor Plan
- Lesson 2-2 Moving Around Your Drawing-Zoom and Pan
- Lesson 2-3 Formatting Your Text
- Lesson 2-4 Plotting From 'Paper Space-Viewports and Scaling-Layout Tabs
- Lesson 2-5 Introductions to Blocks-Creating And Inserting
- Lesson 2-6 Polylines
- Lesson 2-7 Hatching- Filling Areas Cad

Level 3 – Introduction to 3-D
3-D will help you in isometric drawing, basic wireframe models, adding materials and primitive solids, changing from the WCS to the UCS, model a building and introduction to rendering and lighting.

- Lesson 3-1 Introduction to 3-D
- Lesson 3-2 Isometric Drawing
- Lesson 3-3 Working In 3 Dimension
- Lesson 3-4 Viewing 3-D Objects
- Lesson 3-5 Basic Wireframe Models
- Lesson 3-6 Line Thickness

- Lesson 3-7 Regions and 3-D Faces
- Lesson 3-7a More About Extruding & Lofting
- Lesson 3-8 Revolved Objects
- Lesson 3-9 Adding Materials
- Lesson 3-10 Primitive Solids
- Lesson 3-11 Boolean Operations
- Lesson 3-12 Changing From the WCS To The UCS
- Lesson 3-13 Mapping Materials
- Lesson 3-14 Creating New Materials
- Lesson 3-15 Extra Projects and Atutorials
- Lesson 3-16 Putting It All Together-Model A Building
- Lesson 3-17 Introductions to Rendering Lighting

Cad Level – 4- Advanced Topics

At the end of this lesson you will be able to create template files, use Osnaps in AutoCAD, format files, grip editing and modifying and creating dimensions.

- Lesson 4-1 AutoCAD Template Files
- Lesson 4-2 Using Osnaps in AutoCAD
- Lesson 4-3 Linetypes and Linetype Scale
- Lesson 4-4 AutoCAD's File Formats
- Lesson 4-5 Grip Editing
- Lesson 4-6 AutoCAD Enquiry Tools
- Lesson 4-7 Modifying and Creating Dimensions