AutoCAD

Technical Institute of America

Mon. & Thurs.

6:00PM-9:00PM

September 9th– October 3rd

REGISTRATION:

Email

joelo@tia.edu

Include:
Name, Email, Phone Number, ID #,
Windows or Apple computer

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TIA Technical Institute of America

Course Outline

Lesson 1 – Getting Acquainted with AutoCAD
Exploring the Interface
Working with the Ribbon/Tabs/Panels
Learning about the Drawing Tools.
Working with the Applications Browser
Understanding AutoCAD's Help features.

Lesson 2 – Basic Drawing Commands and Tools
Drawing Lines
Using Drawing Tools to create accurate geometry.
Creating Circles and Arcs
Working with Object Snaps (OSNAP)
Creating Rectangles
Drawing and Editing Polylines

Lesson 3 – Basic Copying Commands
Moving and Copying Objects
Creating Multiple copies using the Array Command
How to use the Mirror Command
Creating parallel copies with the Offset Command

Lesson 4 – Modifying objects in your drawing
Deleting portions of objects by using the Trim Command
Lengthening objects with the Extend Command
Using Stretch to increase the length of overall objects
Rounding corners using the Fillet Command
Beveling edges with the Chamfer Command
Modifying the size of objects with the Scale Command.

Lesson 5 – Annotating your drawing
Adding Dimensions to geometry
Adding notes using the Multiline Text command
Adding notes using the Single line Text command.
Working with Multi Leaders.
Editing tools for dimensioning and text.

Lesson 6 – Applying Hatch Patterns to geometry
Issuing the Hatch Command
Understanding the Hatch Ribbon
How to edit existing Hatch objects.

Lesson 7 – Working with Layers and their Properties
The Layer Properties Manager
Creating New Layers
Assigning Properties to Layers

Lesson 8 – Working with Layers
Controlling the status of layers using Freeze, Off, Lock, Isolate.
Creating Layer States

Lesson 9 – Defining settings for layouts and intro to Plotting
Creating various sheets to plot (Layouts)
Learning how to set the scale for the drawing
Creating multiple Viewports for displaying multiple scaled views of the model
How to modify viewport scale and lock into place.

Lesson 10 – Intro to Paperspace and Modelspace
Understanding Paperspace and Modelspace
Controlling Layers within each Viewport
Creating custom sheet sizes using the Page Setup Manager
Copying and Deleting Layouts