Design and shape the world around you with the powerful, connected design tools in AutoCAD software. Create stunning 3D designs, speed documentation, and connect with the cloud to collaborate on designs and access them from your mobile device.

Stay at the forefront of design with AutoCAD® software. Share precise drawings using simplified documentation tools. Work across connected desktop and mobile solutions with Trusted DWG™ technology.

Course Summary

AutoCAD Advanced is for users proficient in using AutoCAD to produce 2D drawings and want to take advantage of AutoCAD's 3D drawing and modeling capabilities.

Trainees will learn how to:

- Create models from 2D designs.
- Create full working drawings of your 3D models.
- Descriptive geometry.
- Learn 3D imaginational skills.
- Learn a hand sketch skills for 2D drawings and 3D modeling.
- Use lighting and materials to enhance your design.

Duration

32 hours

Who Should Attend?

This course is ideal for experienced users of Autodesk AutoCAD including:

- Architecture engineers
- Civil engineers
- Mechanical engineers
- Interior designers
- Professional engineers from the industry

Requirements

Trainees should have attended AutoCAD Essentials training or be familiar with the skills taught in this course through other means.

General Information

IPEL Group is an **Autodesk authorized Training Center (ATC),** and our AutoCAD course is accredited by Autodesk.

Autodesk AutoCAD courses are hosted by Autodesk Certified Trainers (ACTs) who are experienced in using AutoCAD.

Course fees are paid by cash on site.

Courseware & Certificate

Trainees Receive:

- Autodesk Official Training classes with the most comprehensive AutoCAD 2016 materials available.
- An e-certificate from Autodesk confirming attendance on an accredited AutoCAD Course.

Methodology of Delivery

For detailed information on the method different methods of delivery, please visit our website at:

www.ipelgroup.com/home/training

Practical exercises are carried out under guidance to help trainees to learn the techniques right.

Dates and Price

AutoCAD Advanced courses are typically scheduled monthly. For forthcoming dates and for prices please visit our website at:

www.ipelgroup.com/home/news

After Course Support

Following AutoCAD training, trainees get 3 months of email support from their trainer to help with any post course issues.

Course Outline

See Below.

Phone: +961 3 043626
Website: www.ipelgroup.com
Email: info@ipelgroup.com
Facebook: www.facebook.com/IPELGroup

INTERNATIONAL PROFESSIONAL ENGINEERING LEADERS

AUTODESK Authorised Training Centre Certification Centre

CERTIPORT A PEARSON VUE BUSINESS
AUTHORIZED TESTING CENTER

Detailed Course Outline

Topics	Sub Topics
Review	Quickly reviewing AutoCAD essentials
Print and Plot Preparation	Introducing Print and Plot Concepts Placing a Title Block on a Layout Creating Layout Viewports Printing the Drawing Plotting Multiple Drawings at Once
Model Documentation	Creating Drawings from 3D Models Creating a Base View Creating a Base View of a Model Created in Inventor Creating a Base View in a Drawing with Multiple Parts Creating Projected Views Editing Drawing Views
Creating Section Views	Creating a Full Section View Creating a Half Section View Creating an Offset Section View Creating an Aligned Section View Creating a Section View from an Object Creating Cross-Section Views Changing the Hatch Pattern of a Component in a Section View Editing Section Views Modifying a Section Line Identifier Modifying the Section View Label Excluding Components from Drawing Views
Modifying 3D Objects	Mirroring Objects in 3D Moving Objects in 3D Aligning Objects in 3D Rotating Objects in 3D Creating a 3D Rectangular Array Creating a 3D Polar Array Scaling Objects in 3D Extracting Edges from 3D Objects Editing Edges of a Solid by Changing the Edge Color

Topics	Sub Topics
Creating Detail Views	Creating a Circular Detail View Creating a Rectangular Detail View Modifying Detail Views Editing the Detail View Boundary Constraining Drawing Views to Model Geometry Controlling the Detail View Style
3D Basics	Introducing 3D Concepts Using the ViewCube to View 3D Models Using 3D Object Snap Understanding Visual Styles Understanding 3D Coordinate Systems Understanding Dynamic UCS
Creating 3D Objects	Creating Solid shapes Creating 3D Objects by Extruding 2D Objects Creating 3D Objects by Revolving 2D Objects Creating 3D Objects by Lofting 2D Objects Creating 3D Objects by Sweeping 2D Objects Creating mesh shapes Creating a 3D Polyline
Rendering	Introducing Rendering in AutoCAD Working with Lights Placing a Point Light Placing a Spot Light Controlling the Sky Background and Illumination Working with Materials Using Texture Maps Creating Your Own Materials Creating a Rendering Setting the Render Output Resolution Placing Cameras and Creating Views Creating Walkthrough and Flythrough
Course Project	Final Project will be a challenging exercise and the best project will win a 1terabyte HDD. For more info visit our website at www.ipelgroup.com/home/news

Phone: +961 3 043626
Website: www.ipelgroup.com
Email: info@ipelgroup.com
Facebook: www.facebook.com/IPELGroup

INTERNATIONAL PROFESSIONAL ENGINEERING LEADERS

AUTODESK Authorised Training Centre Certification Centre

CERTIPORT A PEARSON VUE BUSINESS
AUTHORIZED TESTING CENTER