

**Course Title:** AutoCAD 2012 Transitioning From AutoCAD 2011

**Course Code:** ACAD-5

**Duration:** 1 Day

## Courseware Description

The AutoCAD 2012 Update for AutoCAD 2011 Users course introduces the new and enhanced features of AutoCAD 2012. Topics covered range from general improvements and command enhancements to new 3D modeling techniques and customization workflow. There are enhancements to many commands as well as many new commands have been added.

Among the many changes in this new release are the general user interface components such as, Command Line, UCS, Ribbon, Multifunctional Grips, Object selections, Snapping, Quick Properties, External References, and Layers.

There are several updates to commands such as Fillet, Chamfer, Join, Spline, Multileaders, and various 3D tools such as 3D Model import file types, Presspull, Point Clouds, Trimmed surface properties, and creation previews.

Many new tools are introduced such as Nudge, Blend Curve, DWG Convert, 3D Offset Edge, Autodesk Exchange, and the Associative Array commands (Rectangular, Polar, and the new Path).

Some new major functionality includes the power to automatically generate intelligent documents based on 3D models with the new Drawing Views toolset. Another function to revolutionize online collaboration is the direct access to AutoCAD WS. Finally, searching for objects within your large database and libraries is improved with the new arrival of Content Explorer.

## Objectives

The main topics covered in the course include:

- Interface enhancements
- Object selection and grouping
- Multifunctional grips
- Command enhancements including Fillet, Chamfer, Join, and Spline
- New object moving functionality – Nudge
- New object connection with continuity tool-Blend Curve
- Style enhancements to External Reference, Multileaders, and Layers
- UCS improvements
- New 3D Model Import file type list
- New 3D offset Edge command
- Various 3D command enhancements
- New automatic 3D Model Documentation toolset

## Who Should Attend

This courseware is designed for the current AutoCAD user who is upgrading to AutoCAD 2012 from the AutoCAD2011.

## Prerequisites

It is recommended that students have a working knowledge of:

- The current or a previous release of AutoCAD.
- Microsoft® Windows® Vista, Microsoft® Windows® XP, or Microsoft® Windows® 2000.

## Course Outline

### Interface and General Enhancements

- **User Interface Enhancements**  
Command Line  
Ribbon  
Quick Access and InfoCenter Toolbars
- **Object Selection and Grouping**  
Selection Updates  
Grouping Interface Updates  
Snap Mode Update  
Quick Properties
- **Multi-Functional Grips**  
General Enhancements

### Command Enhancements

- **Modifying Command Updates**  
Fillet and Chamfer  
Join  
Nudge  
Delete Duplicate Objects  
Modifying Objects
- **Spline Updates**  
Blend Curve  
Spline Command Enhancements  
Working With Splines
- **Array Updates**  
Creating Arrays  
Editing Arrays  
Path Array
- **Style and Palette Updates**  
External References  
Multileader Style Enhancements  
Layers

### 3D Modeling

- **Working with UCS**  
Direct Manipulation
- **3D Model Import**
- **3D Enhancements**  
Creation Preview  
Offset Edge  
Trimmed Surface Properties  
Additional 3D Enhancements
- **Automatic Model Documentation**  
Adding Base Views  
Adding Projected Views  
Editing Drawing Views  
Creating Automatic Model Documentation

### Customization and CAD Management

- **DWG Convert**  
Conversion Setups  
DWG Convert
- **Customization and Exchange**  
Migration and Reset to Default  
File Support  
Plot Files Search Path  
Autodesk Exchange
- **AutoCAD WS**  
Working with Content on AutoCAD WS  
Sharing Drawings
- **Content Explorer**  
Using Content Explorer