The objective of AutoCAD/AutoCAD LT 2014 Fundamentals is to enable students to create a basic 2D drawing in the AutoCAD software. Even at this fundamental level, the AutoCAD software is one of the most sophisticated computer applications that you are likely to encounter. Therefore learning to use it can be challenging. To make the process easier and provide flexibility for instructors and students, the training guide is divided into two parts that can be taken independently.

Part 1 (three days) covers the essential core topics for working with the AutoCAD software. The teaching strategy is to start with a few basic tools that enable the student to create and edit a simple drawing, and then continue to develop those tools. More advanced tools are also introduced throughout the training guide. Not every command or option is covered, because the intent is to show the most essential tools and concepts, such as:

- Understanding the AutoCAD workspace and user interface
- Using basic drawing, editing, and viewing tools
- Organizing drawing objects on layers
- Inserting reusable symbols (blocks)
- Preparing a layout to be plotted
- Adding text, hatching, and dimensions

Part 2 (two days) continues with more sophisticated techniques that extend your mastery of the program. For example, here you go beyond the basic skill of inserting a block to learning how to create blocks, and beyond the basic skill of using a template to understand the process of setting up a template. You learn skills such as:

- Using more advanced editing and construction techniques
- Adding parametric constraints to objects
- Creating local and global blocks
- Setting up layers, styles, and templates
- Using advanced plotting and publishing options

Prerequisites:
- A working knowledge of basic design/drafting procedures and terminology.
- A working knowledge of your operating system.
- The AutoCAD/AutoCAD LT 2015 Fundamentals training guide is designed for those using AutoCAD or AutoCAD LT 2015 with a Windows operating system. This training guide is not designed for the AutoCAD for Mac software.
AutoCAD® 2015 Advanced

Total Hours: 24

AutoCAD 2015 Advanced introduces advanced techniques and teaches you to be proficient in your use of AutoCAD. This is done by teaching you how to recognize the best tool for the task, the best way to use that tool, and how to create new tools to accomplish tasks more efficiently.

This training guide includes the following topics:

- Advanced Text Objects
- Working with Tables
- Defining dynamic blocks and attributes
- Outputting and publishing files for review
- Collaboration and automation tools
- Creating, publishing, and customizing sheet sets
- Managing Layers
- CAD Management and System Setup
- Enhancing productivity by customizing the AutoCAD interface
- Using macros and custom routines

Prerequisites:
Completion of AutoCAD®/AutoCAD LT® 2015 Fundamentals or equivalent.
The AutoCAD 2015 Update for AutoCAD 2013/2014 Users training guide introduces the new and enhanced features of the AutoCAD® 2014 and 2015 software. Topics covered range from general improvements and command enhancements to new 3D modeling techniques and collaborative enhancements.

Among the many changes in this new release are the general user interface components including: New Tab, interface color scheme, tab and panel enhancements, Autodesk 360 collaboration, Model Space Viewports, and Help.

There are several updates to commands, such as Hatch, Array, Erase, Arcs, Polylines, Offset, and various 3D tools, such as 3D Model import file types, Presspull, Point Clouds, and creation previews.

**Topics include:**

- Interface enhancements
- Command enhancements including Hatch, Array, Offset, Arc, Layers, and Polyline
- Layout and Model Space viewport enhancements
- Enhanced 3D Model Import file type list
- Various 3D command enhancements
- Point Cloud enhancements
- Customization updates in the Cloud
- Design Feed palette
- Autodesk Exchange enhancements
- Direct access to Autodesk 360 (Cloud)
- Content Explorer enhancements

**Prerequisites:**

This training guide assumes familiarity with the AutoCAD 2013 or 2014 software.