

AutoCAD Advance Steel New User

3-day class

Since structural steel projects are extremely complex, the Autodesk Advance Steel software is also complex. The objective of the Autodesk® Advance Steel New User course is to enable you to create full 3D project models at a high level of detail and set them up in fabrication drawings. This class focuses on the basic tools that the majority of users need. You begin by learning the user interface, basic 3D viewing tools, and the standard AutoCAD® tools that are routinely used. Specific Autodesk Advance Steel objects, including structural columns, beams, bracing, plates, bolts, anchors, welds, and additional 3D objects are also covered. To complete the course, you will learn to generate all of the required documentation files that enable your design to accurately and effectively communicate the final design.

- **Introduction to Autodesk Advance Steel**
 - Overview of the Interface
 - Viewing the Model
 - Helpful AutoCAD Tools
 - Working with the User Coordinate System (UCS)
 - Using the Advance Steel Modify Commands
- **Building Models**
 - Starting a New Project
 - Adding Structural Grids
 - Creating Levels
 - Modeling Columns & Beams
 - Adding Bracing
 - Integrating with Autodesk Revit
- **Creating Connections**
 - Working with the Connection Vault
 - Editing Beam Intersections
 - Creating Plates
 - Adding Features to Plates & Beams
 - Adding Bolts & Welds
 - Creating Custom Connections
- **Adding Model Objects**
 - Adding Grating & Cladding
 - Modeling Ladders, Stairs & Railings
 - Creating Concrete Objects
- **Creating Fabrication Drawings**
 - Numbering Objects
 - Tools for Creating Drawings
 - Using Drawing Styles
 - Running Drawing Processes
 - Modifying Detailed Drawings
 - Revising Models & Drawings
- **Bills of Materials & Numerical Control Files**
 - Extracting BOM Lists
 - Exporting Data to .NC and .DXF File formats