

Autodesk Advanced Steel – Essentials

Autodesk Advance Steel (AS) is a stand-alone application that is ran on top of the familiar AutoCAD platform. It is specifically designed for completing structural steel detailing. This structural engineering software application supports the Building Information Modeling (BIM) process for engineers, drafters, detailers, fabricators and contractors. With Advance Steel, we can speed up delivery and increase the BIM efficiency of a structural steel project. Drafting steel members, the creation of steel connections, modeling miscellaneous steel and generating shop drawings as well as CNC files is all possible with this tool.

After completing this course, students will be able to have an understanding on how to complete these tasks within AS.

Who should attend?

This is a beginner-level course for structural engineers, drafters and detailers who are presently using any type of CAD-based software, including AutoCAD, Revit, Civil 3D or Plant 3D.

Prerequisites

Students should possess an understanding of Structural Steel Systems. There are no required prerequisites for this course. However, to get the most from this course, students should also have structural design and drafting experience and be comfortable working in a Microsoft Windows environment.

Questions?

Please call us at 800-336-3375.

Course Outline

Working with Advance Steel (AS)

- Introduction to AS & BIM implementation
- Overview of User Interface
- Manipulating Program Preferences
- Creating a New Project
- The Project Explorer
- Management Tools
- UCS

Part Modeling

- Adding Plates
- Adding Holes
- Adding Bolts and Studs
- Bending & Welding

Autodesk Advanced Steel – Essentials [CONTINUED]

Building Modeling

- Create Levels and Views
- Model Beams and Columns
- Model Bracing
- Tie Objects to Views
- Connections

Miscellaneous Metals

- Model Stairs
- Model Handrails
- Model Ladders
- Model Cladding

Documentation

- Part Numbering
- Single Part Shop Drawings
- Multipart Assembly Drawings
- Erection Drawings
- CNC Output

Next Steps

- Overview of Customization
- Multi User Techniques
- Revit Linking