

Autodesk® AutoCAD Plant 3D™ - Fundamentals

Brief Synopsis of Class Contents:

This live, online class covers the basics of Autodesk® AutoCAD Plant 3D®, from piping to orthographics and isometrics, as well as an introduction to Navisworks for model checking. Students will be introduced to the concepts of equipment creation, structural and pipe modeling, isometrics and ortho documentation, and the administration of Plant Projects.

Learning Objectives:

- Become familiar with the concepts and benefits of project based Plant design.
- Understand the fundamental concepts and features of Autodesk® AutoCAD Plant 3D®.
- Use the integrated tools of P&ID to start routing in a Plant project. Use pipe routing tools to create designs that meet or exceed the requirements of the plant being designed.
- Use the automated tools for project documentation in orthographics and isometrics.
- Develop an initial level of comfort and confidence with Autodesk® AutoCAD Plant 3D® through hands-on experience

Courseware:

Ascent Official Training Courseware:
Introduction to Plant Design - Imperial

Number of Days:

5 Half Day Sessions

Continuing Education Hours:

18 hours

Who Should Attend:

All new users of AutoCAD Plant 3D

Prerequisites:

AutoCAD fundamentals knowledge and experience.

The current version of the Plant 3D software must be installed on your computer prior to class.

System and Software Requirements:

<http://www.asti.com/LiveLab-Learning-amp-Training/LiveLab-System-Requirements>

FAQs and Cancellation Policy:

<http://www.asti.com/LiveLab-Learning-amp-Training/LiveLab-FAQS>

Class Outline and Topics:

Introduction to AutoCAD Plant 3D

- Working in a project
- User Interface
- Managing layers and colors

AutoCAD Plant 3D - Imperial

- Creating and using project folders and drawings
- Steel modeling and editing
- Equipment modeling and editing
- Routing pipe, fittings, connections and supports
- Accessing P&ID data in Plant 3D
- Creating and editing Orthographic drawings
- Creating and editing Isometric drawings

Project Administration

- Project setup
- Multi-user projects
- New objects and properties
- Customizing the Data Manager, Reports and DWG templates
- Overview of Specs and Catalogs

