Autodesk® Revit MEP Mechanical and Plumbing Fundamentals

Brief Synopsis of Class Contents:

This live, online class covers the basics of Autodesk® Revit® Mechanical and Plumbing, from engineering design through construction documentation. Students will be introduced to the concepts of Building Information Modeling and the tools for parametric design and documentation.

Learning Objectives:

- Become familiar with the concepts and benefits of Building Information Modeling.
- Understand the fundamental concepts and features of Autodesk Revit MEP®.
- Use the parametric 3D design tools to start designing projects.
- Use the automated tools for project documentation.
- Develop an initial level of comfort and confidence with Autodesk Revit MEP® through hands-on experience

Courseware:

Autodesk Revit 2019.0: Fundamentals for MEP (Imperial Units)

Number of Days:

5 Half Day Sessions

Continuing Education Hours:

20 hours

Who Should Attend:

All new users of Revit MEP

Prerequisites:

Hardware & Operating System Requirements: A computer that meets the minimum Autodesk requirements for the above software is required.

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 BIM

- Concepts/Parametrics

User Interface

- Ribbon Toolbars
- Project Browser
- View Navigation

View Management

- View Properties
- Adding Views

MEP Systems

- System Graphics
- Analyzing Systems

Documentation and Annotation

- Tags and Schedules
- Sheets
- Output and Printing

Project Setup

- Templates
- Linking Architectural Models
- Rooms and Spaces
- Color Schemes

Worksharing - Live

- Terminology and Theory
- Worksharing
- Worksets

Mechanical HVAC Modeling

- Loads Analysis, gbXML Exporting
- Spaces and Schedules
- Mechanical Engineering Settings
- Equipment Layout
- HVAC systems
- Routing Duct: Manually and Automated
- Sizing Duct
- Documentation, Sheets and Plotting

Mechanical Pipe Modeling

- Equipment: Hydronic, Plumbing Fixtures, Fire Protection
- Systems for hydronics, plumbing and fire protection
- Routing Pipe: Manually and Automated
- Pipe Sizing
- Riser views

Basic Documentation

- Text
- Tags
- Dimensions
- Legends
- Schedules

Sheets and Output

- Sheets
- Printing
- Exporting