

Autodesk® Revit Electrical Fundamentals

Brief Synopsis of Class Contents:

This live, online class covers the basics of Autodesk® Revit® Electrical, 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:

4 Half Day Sessions

Continuing Education Hours:

16 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
- Legends
- Details
- Output and Printing

Project Setup

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

Worksharing - Live

- Terminology and Theory
- Worksharing
- Worksets

Systems Overview

- System Concepts
- Terminals
- System Layout and Definitions
- System Browser

Electrical Settings

- Electrical Graphics
- System Definitions
- Distribution Systems
- Load Calculations / Demand Factors

Electrical Modeling

- Lights and Power Devices
- Circuiting and Wiring
- Panels and Schedules
- Conduit & Cable Tray

Basic Documentation

- Text
- Tags
- Dimensions
- Legends
- Schedules

Sheets and Output

- Sheets
- Printing
- Exporting