Revit MEP Essentials Bootcamp

This instructor-led bootcamp provides a focused introduction to Autodesk Revit for mechanical, electrical, and plumbing design workflows, emphasizing project setup, model coordination, system development, and construction documentation. Participants learn how to create and organize coordinated MEP content, develop core building systems, and produce discipline documentation through hands-on practice exercises aligned with real-world project workflows.

Learning Objectives:

- Navigate the Revit interface and manage MEP project files
- Set up projects using linked models, levels, grids, and discipline views
- Place and modify mechanical, electrical, and plumbing components
- Create and coordinate basic duct, pipe, plumbing, and electrical systems
- Create sheets, annotations, tags, schedules, legends, and details
- Produce a basic coordinated MEP construction document set

Course Length: 16 Hours

Day 1: Introduction and Project Setup

1.1 Project review and Revit interface navigation
1.2 Project setup and linked file workflows
1.3 Levels, grids, and coordinated datum elements
1.4 Mechanical, electrical, and plumbing discipline views
1.5 Callouts, elevations, and sections

Day 2: Components, Modify Tools, and Coordination

2.1 Mechanical, electrical, and plumbing components
2.2 Adding and modifying MEP elements
2.3 Basic and additional modify tools
2.4 Copy/Monitor and linked model coordination
2.5 Spaces and energy analysis workflows

Day 3: MEP Systems Development

3.1 Component connections, systems, and System Browser
3.2 Plumbing, hydronic, and fire protection piping
3.3 Duct and HVAC system workflows
3.4 Electrical circuits and panel schedules
3.5 Conduit and distribution workflows

Day 4: Construction Documentation

4.1 Sheets and view placement
4.2 Dimensions, text, and discipline annotations
4.3 Key plans and discipline legends
4.4 Tags and schedules
4.5 Mechanical, electrical, and plumbing details