

Learning Revit MEP 2010



ATC®
Passport
Provider



Duration | 3 Days

AIA HRS | 24 HRS

Training Facilities

Virginia Beach, VA
Richmond, VA
Roanoke, VA

Description:

Learn about building information modeling and the tools for parametric MEP systems design and documentation using Autodesk Revit® MEP 2010. Begin the three-day guide by learning the fundamental features of Autodesk Revit MEP, then progressing through schematic design, system analysis and construction documentation, and finishing with design visualization.

This guide offers both imperial and metric hands-on exercises representing real-world engineering design scenarios.

Prerequisites:

No previous CAD experience is necessary. However, MEP design, drafting, or engineering experience is highly recommended. It is also recommended that the student have a working knowledge of Microsoft® Windows® XP, Microsoft® Windows® 2000, or Microsoft® NT 4.0.

Learning Units/Hours: 24 Hours

Objectives:

To teach users the concepts of building information modeling and introduce the tools for parametric engineering design and documentation using Autodesk Revit MEP 2010. Users should be able to complete their first Autodesk Revit MEP project after completing this class.

Course Outline:

Building Information Modeling

- Building Information Modeling

Revit MEP Basics

- Exploring the User Interface
- Working with Revit Elements and Families

Viewing the Model

- Exploring Views
- Controlling Object Visibility
- Working with Section and Elevation Views
- Working with 3D Views

Inlet Technology

192 Ballard Court
Suite 306
Virginia Beach, VA
23462

Ph: 757.496.2323
Fax: 757.496.2424



Autodesk®
Authorized Training Center

Visit www.InletTechnology.com for a complete class schedule and list of other services or call our Training Department at 757.496.2323

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Starting a New Project

- Setting Up a Project
- Linking Revit Models
- Worksets
- Defining Discipline Settings
- Importing Typical DWG Details

Defining Volumes

- Representing Volumes
- Creating Zones

Building Performance Analysis

- Building Performance Analysis
- Defining Heat and Cooling Information
- Calculating Heating and Cooling Loads

HVAC Systems

- Creating HVAC Systems
- Generating HVAC System Layouts
- Creating and Modifying Ductwork

Piping Systems

- Creating System Piping

Plumbing Systems

- Creating Plumbing Systems

Fire Protection Systems

- Creating Fire Protection Systems

Electrical Systems

- Creating Electrical Circuits
- Creating Wiring

Working with Architects and Engineers

- Monitoring Changes in Linked Files
- Checking and Fixing Interference Conditions

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Detailing and Drafting

- Creating Callout Views
- Working with Detail Views
- Working with Drafting Views

Annotations and Schedules

- Working with Text and Tags
- Working with Dimensions
- Creating Legends
- Working with Schedules

Construction Documentation

- Working with Titleblocks
- Working with Sheets

Optional Lesson

- Family Editor

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Inlet Training Class Registration Form



Customer Information

Company _____
Address _____
City _____ State _____ Zip _____
Primary Contact _____
Telephone _____ eMail _____

Training Class Information

Class Name _____
Class Start Date _____ Duration (# of days) _____
Student 1 _____ eMail _____
Student 2 _____ eMail _____
Student 3 _____ eMail _____
Student 4 _____ eMail _____
Student 5 _____ eMail _____
Student 6 _____ eMail _____
Student 7 _____ eMail _____
Student 8 _____ eMail _____
Student 9 _____ eMail _____
Student 10 _____ eMail _____

Payment Information

CREDIT CARD

Type (Circle One) _____ Visa _____ Mastercard _____ American Express _____
Credit Card Number _____
Expiration Date _____ 3-4 digit Verification Code _____
Name on Card _____ Amount to be Charged \$ _____
Billing Address _____

CHECK

Check Number _____ Amount \$ _____

PURCHASE ORDER

PO Number _____ Amount \$ _____
Purchasing Contact _____ Telephone _____
e-Mail _____

NOTE: Please fax copy of PO with Registration Form



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