MTECH ACADEMY

Revit Specialist MEP

Overview This 48 hour course is designed to teach the core Revit MEP functionality as you would work with it in the design process and develop the knowledge and skills to support the delivery of a project using BIM. The Instructor-led training focuses on the Fundamental tools that the majority of users need to work and leads into Advanced topics which prepare the student to undertake the Autodesk Revit Certified professional Examination.

Who Should Attend Engineers, Designers, Modellers, Project Coordinators, Students and anyone looking to validate their software proficiency for further studies, career upgrade, or taking on BIM project roles.

Trainer Autodesk Certified Instructor with over 5 years of training experience

Week 1: Exploring the User Interface

- The Ribbon, Toolbar
- Properties Palette
- Parameters
- Project Browser
- View
- View Range
- View Control Bar
- Visibility Graphic override
- View Template

Using Basic Tools

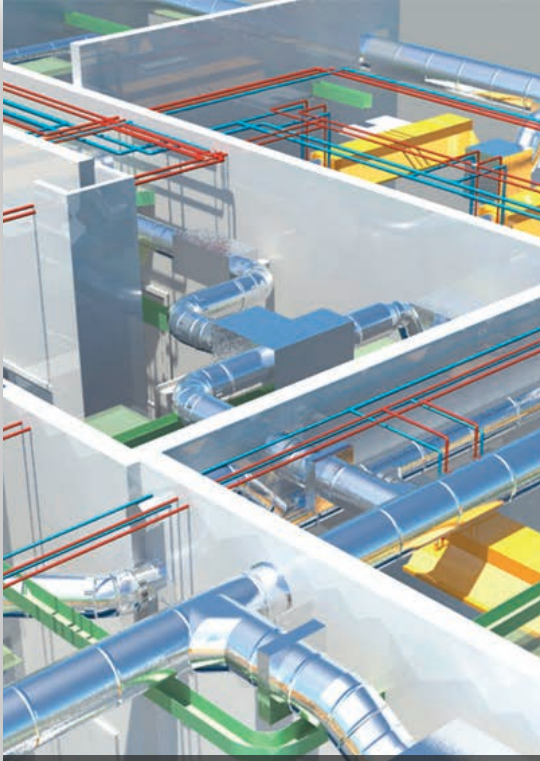
- Modeling Tools
- Modify Tools
- Section view
- Rendering and Perspective view
- Schedule
- Tagging

Week 2: Project Collaboration

- Working with Linked Revit Files
- Copy and Monitor
- Using Shared Coordinates
- Managing Revit Links
- Link CAD

Mechanical Ductwork

- Creating Duct System
- Air Distribution Components
- Mechanical Equipment Components
- Duct Types and Routing
- Using Manual Duct Routing
- Using Automatic Duct Routing
- Adjusting Fittings and Extending the Design
- Duct Sizing



24,000 THB/Person

Time: 09.30 - 17.30
Duration: 48 hours
Language: ภาษาไทย
Venue: MTECH Training Center
6th Floor, Thanapoom Tower
1550 New Petchburi Road,
Makkasan, Ratchtevee,
Bangkok,Thailand 10400

AUTODESK
Certified Professional

Week 3: Mechanical Piping

- Creating Piping Systems
- Creating Pipe Types
- Selecting Fittings for Routing Preferences
- Choosing Pipe Materials and Sizes
- Adjusting the Pipe Sizing Table
- Pipe Routing Options
- Manual Pipe Routing
- Automatic Pipe Routing
- Pipe Fittings
- Placing Valves
- Adding Piping Insulation

Electrical Circuit and Lighting

- Electrical Systems
- Lighting Fixtures
- Electrical Equipment
- Using Ceiling Plan
- Electrical Circuit
- Wiring setting
- Distribution Systems
- Conduit and Cable Tray
- Using Filter function

Week 4: Plumbing and Fire Protection

- Plumbing and Fire Protection Systems
- Working with Plumbing Fixtures
- Copying/Monitoring Plumbing Fixtures
- Choosing Pipe Settings and Pipe Routing Options
- Sloping Pipe
- Annotating Invert Elevation and Slope
- Using Fittings
- Placing Valves

Family Creation

- MEP Component Families Creating
- Parameters Type
- Parameters Creating
- Pipe Fitting Creating

Week 5: Individual Practice

- Using knowledge to create MEP Model
- Using MEP Component families from other sources
- Families Configuration

Analysis Tools & Work-sharing

- Creating Spaces
- Placing Spaces
- Creating a Space Properties Schedule
- Modifying Space Properties
- Creating Zones
- Setting Building Construction Options
- Performing Heating and Cooling Load Analysis
- Space Lighting
- Lighting Analysis
- Understanding Central Files
- Creating a Central File
- Creating a New Work set
- Working with Local Files
- Creating a Local File
- Synchronizing a Local File with the Central File
- Managing and Using the Power of Work sets
- Using Revit Server

Week 6: Revit Certified Professional Preparation

This class will focus on preparing the student for the Autodesk Revit Certified Professional Examination. Student have the option to take the either “Mechanical & Plumbing”; or “Electrical”. Examples of sample questions will be presented along with a guide to the topics to be included in the examination.

- Exam Overview
- Sample Questions
- Practice Questions

Revit Certified Professional Exam

The Autodesk Revit Certified Professional Examination is 3 hours in duration and students are presented with 35 questions (80% to Pass).

- Exam objectives:
- Collaboration
- Documentation
- Elements
- Modeling
- Views

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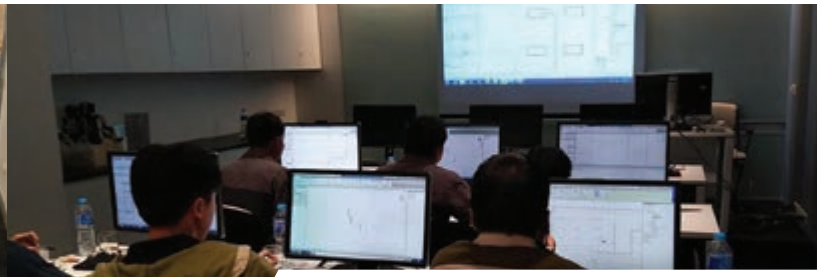
Authorized Training Center



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