

Revit Specialist Structure

Overview This 48 hour course is designed to teach the core Revit Structure 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 Civil 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: User interface and Starting Project

- Intro interface (Ribbon, Property, Project browser)
- Save (Back up)
- Navigate (3D, 2D Model)
- Select (Tab, selection box, Filter, Select all instance)
- View control (2 Monitor)
- Short cut
- Snap
- Template
- Unit Project and Project Information
- Option Bar and Status Bar
- Level
- Grid line
- Link and Import CAD
- Link Revit
- View control (V/G)
- Copy monitor

Element in Revit and Modeling 1

- Category – Family – Type – Instant
- Family Type (system or Host, Loadable, In-place)
- Structural Column (Concrete and steel)
- Structural Wall
- Structural Beam (Concrete and steel + Curved Beam)
- Modify Tool

Week 2: Modeling 2 and Control View

- Beam system
- Structural Floor (Slope Beam and Floor)
- Trusses
- Opening
- Structural Foundation
- Copy to Clip Board (Multi story)
- Roof structure
- Section, call out, Camera, Section Box
- Duplicate view (3 type)
- View control (object style, V/G, Override)
- View Template

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

Reinforcement and Steel connection

- Edit Setting (Covering, Bar Size, bar color, Hook)
- Beam Reinforcement (Sketch reinforcement)
- Area Reinforcement
- Path Reinforcement
- Setting connection
- Model connection
- View Template

Week 3: Schedule and Documentation

- Dimension, 3D Dimension
- Tag and Edit Tag
- Schedule Model
- Schedule Rebar
- Adding View in Sheet
- Sheet Family
- Drafting View
- Print
- Export to DWG
- Revision
- Title Block

Practice

Week 4: Family Creation

- Family Creation Workflow
- Family Template
- Referent Plane and Origin
- Category and Type
- Instant, Family, Share Parameter
- Dimension and Constrain
- Add Parameter
- Geometry Tool
- Material Creation, Material library, Pattern
- Visible parameter
- Working with Type Catalogs
- 2D detail, Visibility control
- Example 3D and 2D Family
- Nest Family (STR. Foundation)

Week 5: Collaboration

- Link Revit
- Copy/Monitor
- Coordination Review
- Interference Check

- Work Sharing (LAN/WAN, Revit server and C4R)
- Work set (Central and Local file) and View
- Sync and how it works?
- Project Base Point and Survey Point
- Project North and True North
- Acquire and Publish Coordinate
- Export to Navisworks
- Publish Setting (BIM360 Team)

Advance Modeling

- Group
- V/G Filter
- Project Parameter and Share Parameter
- Paint
- Cut by Referent Plane
- Design Option
- Starting View
- Organize Project Browser
- Part and Assembly
- Project Template
- Global Parameter
- Phase
- Massing and Site

Week 6: Revit Certified Professional Preparation

This class will focus on preparing the student for the Autodesk Revit Certified Professional Examination. 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

