

Revit

This course focuses on teaching the tools and settings needed to develop BIM models using Revit. By the end of the program, participants will be able to create complete BIM projects and work confidently within the construction and design industry. Throughout the course, students will gain practical skills to apply their knowledge in real-world modeling, documentation, and construction processes.

The course lasts 4 weeks and can be delivered in either of the following formats:

- Saturdays (8:00–11:00 – break – 11:15–14:00)
- Two weekdays (18:00–21:00) *to be agreed upon

Online:

- \$ 450 _____ 1 Person
- \$ 420 _____ 2-4 Persons
- \$ 380 _____ +5 Persons

Syllabus 1^o Course

Module focused on learning the Revit workspace and the main tools for modeling architectural elements. Participants will learn to use editing commands, create material catalogs, and develop architectural families, laying the foundation for building efficient and well-structured BIM models.

1. What is BIM ?

- Course objectives and BIM methodology
- Level of detail and development (LOD)
- BIM standards, 3D template, and BEP format
- Collaborative vs. centralized workflow theory

2. Revit Interface

- Main menu, tabs, and general interface
- Project browser and properties palette
- Command and units setup
- Section box and navigation wheel
- View styles, shadows, and lighting settings
- File types and uses (.rvt / .rte / .rfa / .ifc)

3. Model Setup

- Grids, reference planes, and 2D/3D levels
- Topography, sun positioning, and context
- True north vs. project north
- Object styles and additional settings

4. Material Catalog

- Creating and modifying materials
- Editing 2D and 3D hatches
- Using paint and decals

5. Commands

- Copy, paste, trim, align, extend
- Split, move, rotate, mirror, delete
- Array, scale, lock, unlock
- Group and ungroup, duplicate, and edit 3 family types
- Isolate and hide (permanent or temporary)

6. Architectural Elements

- Walls and floors (basic, sloped, multi-layer)
- Curtain walls with openings
- Ceilings, roofs, doors, windows
- Stairs, railings, ramps, profiles, baseboards, and risers
- Architectural and MEP furniture
- Parking and vegetation
- Vertical and horizontal openings
- Wall and floor perimeter sketching
- Allow / disallow joins
- Model and detail lines
- Editing model and detail lines

7. Families and Parameters

- 3 Revit family types (system, loadable, in-place)
- Extrusion, blend, revolution, and sweep tools
- Families with shared and simple parameters
- Insertion point and custom formulas

Syllabus 2^o Course

This second module covers the essential aspects needed to turn the model into a deliverable project. It reviews annotation tools, drawing generation, material quantification, and model management strategies for construction or executive presentations.

1. Tags

- Creating and editing multi-category tags
- Relationship between multi-category tags and type mark
- Material tags and main categories
- Custom formulas in tags

2. Views

- Floor plans with view range
- Elevations with view depth
- Sections and callouts
- Drafting views, legends, detail components
- Duplicating views with or without detailing
- Creating and modifying view templates
- Creating filters for selection and highlighting
- Locking and overriding views
- Dimensions, annotations, and scales
- Dimension configuration
- Design options

3. Sheets

- Creating title blocks with parameters
- Inserting files and documents
- Creating sheets and placing views
- View extents and crop regions
- Rotating and scaling views, single or batch printing
- Exporting (.dwg / .dxf / .pdf) and advanced export settings

4. Material take-off

- Theory and workflow strategy
- Element category schedules
- Type mark quantification schedules
- Material takeoff schedules
- View and sheet lists
- Custom formulas in schedules
- Exporting to Excel

-15%
Buy both and save

* Each participant must have their own equipment. If you do not have AutoCAD, we will install it for you.

* For in-person courses, classes will be held at your home or at our offices.

* Our prices do not include VAT.