

Revit® Intermediate: Collaboration & Coordination Workflow

This intermediate course is designed for Autodesk Revit users looking to significantly enhance their productivity and efficiency in complex, team-based projects.

You will begin by mastering Project Phasing, Groups, and Design Options to effectively manage project timelines and explore design alternatives within a single file. You'll then move beyond basic modeling to cover essential techniques for collaboration, model linking, and file coordination across multi-disciplinary teams (architecture, structure, and MEP).

Upon completion, you'll be fully prepared to establish and manage workshared environments, effectively integrate external CAD and image files, coordinate design changes, and ensure smooth project delivery.

Prerequisite: A working knowledge of Essentials/fundamental Revit techniques is essential. Participants should be proficient in the core skills taught in any discipline's introductory Revit course, including creating, modifying, and viewing typical model elements.

Course Length: 1 day

Key Learning Objectives:

- Setting up Project Phasing for managing construction sequencing and visualizing project transformations.
- Utilize Revit's Design Options functionality to generate, manage, and graphically display diverse design schemes within a single project model.
- Revit Groups are an efficient organizational tool that lets you bundle multiple elements into a single, reusable component. Their core benefit is managing repetitive elements efficiently and ensuring project-wide consistency.
- Master the techniques for linking and coordinating multiple Revit models and disciplines.
- Efficiently integrate external data by linking and importing CAD files, raster images, and PDFs.
- Utilize Copy/Monitor tools to maintain model coordination between linked files.
- Understand best practices for file management, exporting, and preparing models for analysis.
- Establish and manage collaborative Revit project environments using Worksharing.

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Design Management Essentials

- Applying Project Phasing to visualize construction stages.
- Working efficiently with Groups for repeated elements.
- Using Design Options to manage and present multiple design alternatives within a single model.

External Model Linking and Coordination

- Applying Project Phasing to visualize construction stages.
- Working efficiently with Groups for repeated elements.
- Using Design Options to manage and present multiple design alternatives within a single model.

Data Integration and Exchange

- Importing and Linking external CAD files (DWG/DXF) into Revit.
- Methods for modifying and cleaning up imported geometry.
- Integrating Raster Images and PDF files into your model environment.
- Advanced file Exporting techniques, including preparation for Energy Analysis.

Project Team Collaboration (Worksharing)

- Introduction to Worksharing and its role in team projects.
- Enabling Worksharing and setting up Worksets.
- Creating and managing the Central Model.
- Best practices for creating and working within a Local File.
- Managing Visibility and Display Options within a workshared environment.
- Strategies for integrating Worksharing and Linked Models for maximum efficiency.

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