

Autodesk Revit Collaboration Tools

Course Length: 1 day

Autodesk® Revit® is a Building Information Modelling (BIM) tool, which can be used by more than one person working on a new project. This is an important feature in collaboration within a project, between projects, and with other users, firms, and disciplines.

The objective of the Autodesk Revit Collaboration Tools guide is to enable students, who have a basic knowledge of Autodesk Revit, to increase their productivity while working with other people on a team, either in the same firm or other firms as well as with other disciplines. It also covers linking Autodesk Revit files and linking or importing other CAD files. Practices are available for each of the primary disciplines covered by Autodesk Revit: architecture, MEP, and structure.

Topics Covered

- Set up project phasing
- Use groups
- Create and display a variety of design options
- Link Autodesk Revit files
- Use multi-discipline coordination including Copy/Monitor and Coordination Review
- Import and export vector and raster files including exporting Autodesk Revit models for energy analysis
- Understand, use, and set up worksets

Prerequisites

Students should be comfortable with the fundamentals of Autodesk Revit as taught in Autodesk Revit Architecture, MEP, or Structure Fundamentals. Knowledge of basic techniques is assumed, such as creating typical elements as well as copying and moving objects, creating and working with views, etc.

Training Guide Contents

Chapter 1: Phasing, Groups, and Design Options

- 1.1 Applying Project Phasing
- 1.2 Working with Groups
- 1.3 Using Design Options

Chapter 2: Linking Models

- 2.1 Linking Models
- 2.2 Views and Linked Models
- 2.3 Copying and Monitoring Elements
- 2.4 Coordinating Linked Models

Chapter 3: Importing and Exporting

- 3.1 Importing and Linking Vector Files
- 3.2 Modifying Imported Files
- 3.3 Importing Raster Image and PDF Files
- 3.4 Exporting Files
- 3.5 Exporting for Energy Analysis

Chapter 4: Project Team Collaboration

- 4.1 Introduction to Worksets
- 4.2 Setting Up Worksets
- 4.3 Visibility and Display Options with Worksharing
- 4.4 Worksharing and Linked Models
- 4.5 Opening and Saving Workset-Related Projects
- 4.6 Working in Workset-Related Projects
- 4.7 Best Practices for Worksets

Appendix A: Additional Information

- A.1 Linked Model Conversion
- A.2 Shared Positioning

Appendix B: Autodesk Revit for Architecture Certified Professional Exam Objectives

Appendix C: Autodesk Revit for Electrical Building Systems Certified Professional Exam Objectives

Appendix D: Autodesk Revit for Mechanical Building Systems Certified Professional Exam Objectives

Appendix E: Autodesk Revit for Structures Certified Professional Exam Objectives