

Autodesk Revit for Project Managers

Course Length: 1 day

The Autodesk® Revit® software is a powerful Building Information Modelling (BIM) program that works the way Architects and Engineers think. The software streamlines the design process with a central 3D model. Changes made in one view update across all views and on the printable sheets. This course is designed to give you an overview of the Autodesk Revit (Architecture, MEP, and Structure) functionality especially as it pertains to Project Managers.

Topics Covered

- Understanding the purpose of Building Information Management (BIM) and how it is applied in the Autodesk Revit software.
- Navigating the Autodesk Revit workspace and interface.
- Working with the basic modifying and modelling tools.
- Troubleshooting elements in projects.
- Viewing models using plans, elevations, sections, and 3D views.
- Putting together construction documents by adding views to sheets that can then be printed.
- Exporting files to CAD Formats and DXF (the Autodesk® Design Review software).
- Working with schedules.
- Linking and importing CAD files and Autodesk Revit models into projects.
- Using Worksets in a collaborative environment.
- (Optional) Creating details.

Prerequisites

N/A

Training Guide Contents

Chapter 1: Introduction to BIM and Autodesk Revit

- 1.1 BIM and Autodesk Revit
- 1.2 Overview of the Interface
- 1.3 Starting Projects
- 1.4 Viewing Commands

Chapter 2: Reviewing Projects

- 2.1 Using General Sketching Tools
- 2.2 Editing Elements
- 2.3 Troubleshooting

Chapter 3: Working in a Model

- 3.1 Modifying the View Display
- 3.2 Duplicating Views
- 3.3 Adding Callout Views
- 3.4 Creating Elevations and Sections
- 3.5 Working with Schedules

Chapter 4: Printing and Sharing

- 4.1 Setting Up Sheets
- 4.2 Placing and Modifying Views on Sheets
- 4.3 Printing Sheets
- 4.4 Exporting Files

Chapter 5: Starting Multi-discipline Projects

- 5.1 Importing and Linking Vector Files
- 5.2 Linking Models

Chapter 6: Project Team Collaboration

- 6.1 Introduction to Worksets
- 6.2 Setting Up Worksets
- 6.3 Visibility and Display Options with Worksharing
- 6.4 Worksharing and Linked Models
- 6.5 Opening and Saving Workset-Related Projects
- 6.6 Working in Workset-Related Projects
- 6.7 Best Practices for Worksets

Appendix A: Annotation Tools and Creating Details

- A.1 Working with Dimensions
- A.2 Working with Text
- A.3 Adding Detail Lines and Symbols
- A.4 Setting Up Detail Views
- A.5 Adding Detail Components
- A.6 Annotating Details