Autodesk Revit Advanced

Overview

This course covers many of the advanced features of the entire Revit platform.

Building Information Modeling (BIM) is an approach to the entire building life cycle. Autodesk® Revit® Architecture, Autodesk® Revit® MEP, and Autodesk® Revit® Structure are powerful BIM programs that support the ability to coordinate, update, and share design data with team members throughout the design, construction, and management phases of a building's life. A key component in managing the BIM process is to establish a company foundation for different types of projects by creating standard templates and custom elements. Having this in place makes the process of any new project flow smoothly and efficiently.

The objective of the Autodesk Revit 2017 Collaboration Tools training 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, and while working with Autodesk Revit files or other CAD files.

Prerequisites

- Students should be comfortable with the fundamentals of the Autodesk® Revit® software as taught in the Autodesk Revit Architecture Essentials (Click for More), Autodesk Revit Structure Essentials (Click for More), or Autodesk Revit MEP Essentials (Click for More).
- Knowledge of basic techniques is assumed, such as creating standard element, copying and moving elements, and creating and working with views, etc.

Available Exams and Certifications

- [Autodesk Certified User](#) (Click for More)
- [Autodesk Certified Professional](#) (Click for More)

Course Outline

Part 1: Revit 2017 BIM Management, Advanced Template and Family Creation

- Create custom templates with annotation styles, title blocks, and custom element types
- Create schedules, including material takeoff schedules with formulas
- Create custom wall, roof, and floor types
- Set up a family file
- Create family geometry
- Create family types
- Create specific families, including, in-place families, profiles, annotation, and shared parameters

Part 2: Revit 2017 Collaboration Tools

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