



Class Description

This class covers BIM Management for all Revit disciplines. Topics include: 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.

Pre-requisite: Revit Fundamentals or proficient knowledge of Revit.

Class length: 2 Days

Revit 2017 BIM Management Template and Family Creation



Creating Custom Templates

- Preparing Project Templates
- Customizing Annotation Styles
- Creating Title Blocks
- View Templates
- Settings for Mechanical & Electrical Projects
- Settings for Structural Projects

Schedules

- Introduction to schedules
- Creating Building Components Schedules
- Modifying Schedules Appearance
- Creating Key Schedule
- Advanced Schedule Options
- Creating Material Takeoff Schedules

Custom System Families

- Creating Wall, Roof, Floor and Ceiling Types
- Vertically Compound Walls
- Stacked and Embedded Walls
- Creating MEP System Families

Component Family Concepts

- Creating Component Families
- Creating the Parametric Framework
- Creating Family Element
- Creating Family Types

Advanced Family Techniques

- Additional Tools for Families
- Visibility Display Settings

Additional Family Types

- Creating In-Place Families
- Creating Profiles
- Creating Annotation Families
- Working with Shared Parameters

Creating Architectural Specific Families

- Creating Custom Doors & Windows
- Creating Angled Cornices & Copings
- Creating Custom Railings
- Families for Railings, Balusters, & Panels

Creating MEP Specific Families (Practice)

- Creating a Pipe Fitting Flange
- Upgrading an Architectural Plumbing Fixture to MEP
- Creating a Custom Lighting Fixture Family
- Creating a Data Device with Annotation

Creating Structural Specific Families (Practice)

- Parametric Gusset Plates
- Creating a Slab Depression
- Column Stiffeners (In-Place Family)
- Creating a Built-Up Column