

**2 Day Training Class \$850.00 - 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 as well as MEP system families
- Set up a family file
- Create family geometry
- Create family types
- Create specific families, including, in-place families, profiles, annotation, and shared parameters

The objective of the Autodesk Revit BIM Management for Architecture, Structure, and MEP training guide is to enable students who have worked with the software to expand their knowledge in setting up office standards with templates that include annotation styles, preset views, sheets, and schedules, as well as creating custom element types and families. The class can be taught in any one or a mix of all of the software programs using practices specific to each discipline.

Outline:**DAY 1****Chapter 1: Creating Custom Templates**

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

Chapter 2: Schedules

- Creating Schedules
- Graphical Column Schedules (Revit Structure Only)
- Advanced Schedule Options
- Creating Material Takeoff Schedules

Chapter 3: Custom Walls, Roofs, & Sections

- Creating Wall, Roof, and Floor Types
- Adding Sweeps to Walls, Roofs, and Floors
- Vertically Compound Walls

DAY 2**Chapter 4: Family Concepts & Techniques**

- Introduction to Creating Families
- Creating the Parametric Framework
- Visibility Display Settings
- Overview of Family Creation

- Creating Family Elements
- Additional Tools for Families
- Creating Family Types

Chapter 5: Creating Specific Families

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

Chapter 6: Creating Architectural Specific Families

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

Chapter 7: Creating MEP Specific Families**Chapter 8: Creating Structural Specific Families****Appendix A: Additional Management Tools**

- Creating Object Styles
- Creating Fill Patterns
- Creating Materials



BIM Management

Prerequisites:

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

Information on Collaboration Tools, Conceptual Design, and Site and Structural Design are covered in additional courses.