



# REVIT – BIM MANAGEMENT: TEMPLATE AND FAMILY CREATION

## COURSE DESCRIPTION

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 2015 BIM Management: Template and Family Creation course 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 course can be taught in any one or a mix of all of the software programs using practices specific to each discipline.

## TOPICS COVERED

- 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

## COURSE DURATION

2 days

## PRE-REQUISITES

Students should be comfortable with the fundamentals of the Autodesk Revit software as taught in the Autodesk Revit 2015 Architecture Fundamentals, Autodesk Revit 2015 Structure Fundamentals, or Autodesk Revit 2015 MEP Fundamentals training guide. 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 training guides.