Revit Family Creation

SOLIDCAD | SYMETRI
A SYMETRI COMPANY
PART OF ADDNODE GROUP

Course Details:

Duration: 1 day

Prerequisite: Revit Fundamentals

Courseware: Available

Achievement: Certificate

Provincial Association Credits Eligible

General Information:

Locations: All courses are offered online, on-site, or in-person at SolidCAD training facilities across Canada, including:

Burnaby, BC
Calgary, AB
Edmonton, AB
Regina, SK
Winnipeg, MB
Richmond Hill, ON
Ottawa, ON
Montreal, QC
Quebec City, QC
Hanwell, NB
Halifax, NS

Pricing, Registration & Scheduling: Please contact your account representative or our training coordinator at 1-877-438-2231 x227 or via email at training@solidcad.ca

Complete course listing: www.solidcad.ca/training

AUTODESK
Authorized Training Center

DESCRIPTION

This course will show you how to plan, construct, and manage families using Revit. From parametric geometry to connectors, visibility settings, nesting, and discipline-specific information.

By the end of the course, you'll be able to create families and develop them properly, in line with BIM principles. You'll be able to build parametric content that's stable and reusable, make discipline-specific families and control the display across all views. Find out how to integrate your content into templates and company standards so it fits into a BIM ecosystem that scales.

As these topics will vary by discipline and based on the unique needs of your projects, SolidCAD will schedule a technical discovery meeting with one of our Technical Consultants to help customize a training program based on your needs.

POTENTIAL TOPICS

- Setting up the family environment.
  - Start a component family file using the correct template
  - Establish the parametric framework (reference planes, constraints, labeled dimensions)
- Creating family geometry
  - Building solid and void forms
  - Applying parametric controls so geometry flexes predictably
  - Using reference lines for rotational or path-based behavior
- Defining and managing family types.
  - Create multiple types within a single family
  - Use type catalogs (when appropriate)
  - Apply formulas to drive behavior
- Controlling visibility and graphics.
  - Visibility settings for 2D/3D, detail levels, and view types
  - Adding symbolic lines and masking regions
- Adding intelligence: connectors, controls, and nested families.
  - MEP connectors, Flip Controls and Nested Families
- Creating specialized family types.
  - The course will include discipline-specific examples such as doors, windows, railings, pipe fittings, light fixtures, profiles and annotations.