



This fast-paced class is designed for experienced Autodesk® Revit® students who are interested in creating parametric content. Students will learn methods for testing and creating both the graphical and data elements of MEP Families. This class will also include Shared Parameters, Family Nesting, and tips for standardizing custom content.

Prerequisites: A minimum of three (3) months of using Revit MEP, or completion of a Revit MEP Fundamentals class.

Register Online: [Click here.](#)

Autodesk
Authorized Training Center

Visit www.ideateinc.com for a complete class schedule.
Or call our Training Department at 888.662.7238.

Training Facilities

San Francisco

San Jose

Sacramento

Portland

Seattle

[Click here for training facility addresses and lab hours.](#)

Course Objectives

The primary objective of this class is to provide students with a framework around which intelligent, parametric Revit MEP content can be developed. Understanding how to create 3D mass objects in Revit MEP and placing discipline specific connectors on these elements during the class will give students the confidence to create stable and efficient content for use back at the office.

Upon completion of the course, the student will be able to:

- Create 3D mass elements
- Understand reference planes and lines
- Understand family categories and settings
- Create basic parametric families
- Understand the duct, pipe and electrical connector properties.
- Map family parameters to connector variables
- Understand how hosted families, such as electrical symbols, can be incorporated into model based families.

Who Should Attend

Each company that uses Revit MEP should have at least one person versed in the art of creating families. This class is for experienced Revit MEP students who are tasked with creating or managing families and need to have a base knowledge of how to get started in the right direction.

Course Outline

Morning Session

- Creating 3D Masses in Revit
- Family Types
- Family Templates and Categories
- Reference Planes
- Basic Parameters and Parametrics

Afternoon Session

- Duct, Pipe, and Electrical Properties
- Mapping to Connector Parameters
- Model and Symbolic Lines
- Nesting Families
- Shared Parameters