



# Autodesk Revit Architecture Family Creation

2 Day Course

## Who Should Attend?

This course is for existing Revit Architecture users who have a good understanding of the interface and concept of the single model environment.

Delegates should have Revit experience in Revit Architecture. It is recommended that delegates have a working knowledge of Microsoft operating systems.

## Objectives

The primary objective of this course is to teach delegates best practice in creating in-place families, component families and system families. The course will go through the complete process of each, introducing the user to the fundamentals as well as some clever tips.

## Agenda

This course is designed to give the Revit user a good understanding of Revit Families, including best practices and correct creation.

**Note:** We normally train on the latest version.

### Agenda Topics:

- An overview of Component and System Families
- Creating in-place families
- Creating component families
- Hosting Behaviours
- Introduction to Nested families
- Introduction to solids and voids
- Working with Extrusion, Blend, and Sweep
- Working with reference planes and reference points
- Working with Shared Parameters
- Overview of Schedules and families
- Introduction to working with formulas
- Overview of Type Categories
- Working with Constraints
- Best Practices with naming conventions
- Working with Instance and type parameters



0330 551 9420



training@cadline.co.uk



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## Agenda Topics:

- Revit Family types
- Reference Planes & Lines
- Creating Bespoke Tag families
- Customising & Creating System Families
- Transferal of System Families between projects
- Materials and Fill patterns
- Lineweights and Linetypes
- Roof creation/customisation
- Roof by extrusion
- Stairs
- Templates and categorisation
- Railings
- Titlesheet Creation
- Wall sweeps/reveals and Floor slab edges
- Object Groupings
- Profiles
- Detail Components
- Managing 2D Details
- Naming and storage conventions

*The above may be varied to suit client's preferences and requirements.*

## Qualifications

On completion of the course, you will be presented with an Autodesk Authorised Training Certificate.



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