

Autodesk Revit Families Creation

Duration : 2 Days

Overview

This course covers the basics of Family Creation within Revit software, from profile and simple families through to nested fully parametric objects. Delegates are introduced to the process of creation and editing families and the tools utilised for parametric adaptations.

Prerequisites

It is strongly recommended that you have knowledge of Revit software and have completed an essentials course, as well as a working knowledge of supported Microsoft operating Systems. Additionally, experience with AutoCAD is helpful.

Objectives

The primary objective of this course is to teach students the concepts of families and introduce the tools and processes for parametric family creation within Revit software. After completing this course, students will be able to:

- Describe the types of families within Revit and their uses
- Use the fundamental features in the Family Editor
- Create reference based solid and void form geometry
- Apply constraints and parameters
- Understand nested families

Course Content

Introduction to the Family Editor

Understanding family templates
System families, in-place families and component families (What is the difference?)
Parametric vs. non-parametric
2D vs. 3D (Do you always need 3D?)

Family Basics

Creating 3D geometry (solids and voids)
Creating 2D geometry (model and symbolic)
Dimensions, constraints, and family parameters (flex your model)
Reference plans and lines
Family types
Type catalogues
Controlling detail levels
Nested families
Conditional formulas

Getting Started

Planning
Family templates

3D Parametric / Non Parametric Families

Furniture
Recycle; it's cheaper...
Doors from scratch
Line based 3D components (2 pick components)

2D Parametric / Non Parametric Families

Profiles
Detail components

Best Practice

Preliminary design
Design consideration



Training Options

- Private courses delivered at client's premises throughout the UK, at our training venues or a convenient third-party location
- Bespoke customised courses written to your specific needs, delivered at client's premises throughout the UK, at our training venues or a convenient third-party location
- For further information please contact us on 0191 377 8377
- Public scheduled courses at one of our training venues

What's Included

- 1 delegate per computer
- Relaxed refreshment area at our training venues
- Lunch and refreshments when training is delivered at our training venue
- Comprehensive course manual and exercises