

Duration:

2 Days

Who should attend?

Those who want to get to grips with the fundamentals of Family Creation within Revit Software.

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.

**Course Description:**

This courseware covers the basics of Family Creation within Revit software, from profile and simple families through to nested fully parametric objects.

Students are introduced to the process of creation and editing families and the tools utilised for parametric adaptations.

Objectives:

The primary objective of this courseware 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 Outline:
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

* The suggested course duration is a guideline.

Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.

A Gritec Certificate will be issued upon completion.

Maximum number of delegates: 6 per course

Training can either be taken on site or at one of our conveniently located local training centres.

To book a place on this course please call Gritec on **023 8086 8947**

Gritec Training Centre Locations

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