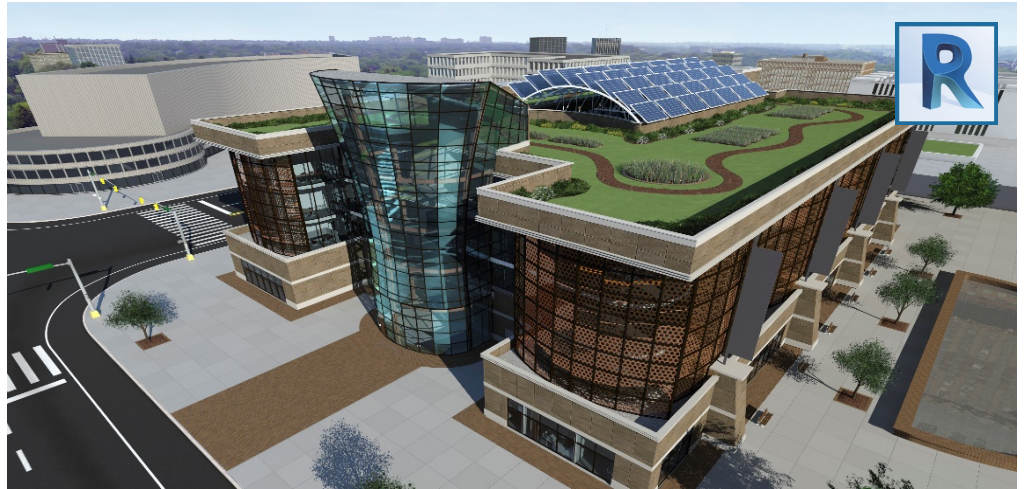# Revit families and content creation
## Training course outline

The ability to create families and intelligent parametric content for use in your Revit models helps you realise extensive productivity improvements.

This course teaches everything you need to know to begin creating your own Revit families and content.



## Course summary

Teaches you techniques and best practices for creating dynamic, flexible and data rich families and content within your working environment.

The techniques you learn cover the basics of family and content creation within Revit, from profile and simple families through to nested fully parametric objects.

They are relevant to all disciplines, whether you're using Revit for Architecture, Structures or MEP.

The training is practical and 'hands-on'; throughout the course you create your own content that you can take away and use on your next Revit project.

## Duration
Two days.

## Who should attend?
This course is ideal for anyone who wants to get to grips with the fundamentals of family and content creation within Revit.

Typical delegates include:
- Design professionals.
- Managers who wish to improve the workflow of interdisciplinary projects.
- Manufacturers who want to encourage use of their products.

Delegates should have a basic understanding of construction techniques. You do not necessarily need to have any existing Revit experience.

## In-class or live online
You can attend course in-person at any of our centres, or participate online from your place of work or home.

To read about our approach to online training, see armada.co.uk/live-online-training.

## General information
Armada is an Autodesk authorised Training Centre (ATC). Our *Revit families and content creation* course are accredited by Autodesk.

Revit courses are hosted by Autodesk Certified Trainers (ACTs) with vast experience of using Revit in industry.

Whilst attending training at our centres, delegates have the use of a computer running licensed Revit software to practice the techniques taught. Refreshments and lunch are provided.

Course fees can be paid by card or bank transfer. We accept purchase orders from UK-registered companies and public sector organisations.

If you're self-funding your training, you can pay in staged payments, interest-free, over 12 months.

## Course materials and certificate
Delegates receive:
- A comprehensive training guide for Revit families and content creation.
- An e-certificate from Autodesk confirming attendance on an accredited Revit course.

## After course support
Following Revit training, delegates are entitled to 30 days' email support from their trainer to help with any post-course issues.

## Further information, prices & dates
See armada.co.uk/course/revit-families-and-content-creation-training.

## Course syllabus
See over.

# Course syllabus

| Topics | Sub-topics |
|---|---|
| The Family Editor | Getting to know the Editor UI<br><br>Differences between the family and project interfaces |
| Templates | A guide to selecting the right template<br><br>Family categories<br><br>Hosting |
| Framework | Working planes – understanding the different options<br><br>Reference lines or planes?<br><br>Setting dimensions as parameters<br><br>Creating additional parameters |
| Basic family creation | Creating 2D and 3D geometry<br><br>Family testing<br><br>Family types |

| Topics | Sub-topics |
|---|---|
| Shared parameters | Shared parameters vs family parameters vs project parameters<br><br>Tags and labels |
| Advanced topics | Materials<br><br>Equations<br><br>Catalog creation<br><br>Family type parameters |
| MEP and other sources of content | Loading and using 3D objects from other software<br><br>MEP connections<br><br>Labels |
| Families and standards | Background data in families<br><br>COBIE standards<br><br>NBS standards |
| User-created families | Supervised practice exercise to create your own families, specific to your needs |

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