

Autodesk Revit Architecture Fundamentals - Virtual Course

This is an "online" version of the Autodesk Revit Architecture Fundamentals training course, delivered remotely over a number of individual half-day sessions. The course will enable delegates to create full 3D architectural project models and set them up as working drawings. The training course focuses on basic tools that the majority need to understand in order to work with the Autodesk Revit Architecture software.

"The course ran very smoothly despite being online rather than face to face. Terry's instruction was very clear and he led the course at a very good pace." Naveeta

Prerequisites

As this course is delivered via a web-link, those attending will need to have access to a workstation, connected to the internet, and with Revit installed. A twin screen setup and a headset with microphone is also highly recommended. Delegates should ideally have had some exposure to Computer Aided Design systems, as well as an understanding of Architectural terminology. Familiarity with MS-Windows at user level is also desirable. Please note, topics and timings may be subject to change.

Objectives

SESSION ONE

Introduction to BIM and Autodesk Revit

09:30 Session 1.1

- Recent Files List
- Explanation of Revit Project & Template Files (.RVT & .RTE)
- Families –Component (.RFA) & System (Project File Based)
- Home Button
- Options Dialog Box
- Saving -Reminders
- Quick access Toolbar
- Ribbon
- Break

Session 1.2

- Options Bars
- Status Bar
- Properties Palette –Type Selector
- Project Browser –Bi-Directional Associativity
- Viewing Tools
- Categories / Subcategories
- Break

Session 1.3

- Explanation of Families –Component & System
- Break

Basic Sketching and Modify Tools

Session 1.4

- Explanation of Families (Cont'd) –System
- Swapping Out of Families
- Selection Techniques
- Break

Session 1.5

- Introduction to Drawing Tools
- Temporary Dimensions –Manipulation & Conversion to Permanent
- Alignment Lines
- Snap Increments
- Object Snaps
- Break

Session 1.6

- All Drawing Tools

12:55

- Q & A & End of Session 1

SESSION TWO

Basic Sketching and Modify Tools

09:30 Session 2.1

- Modification Tools
- Move
- Copy
- Rotate
- Mirror
- Break

Session 2.2

- Modification Tools (Cont'd)
- Pin / Unpin
- Array
- Additional Modification Tools
- Trim / Extend
- Split Element
- Align
- Offset
- Break

Starting Architectural Projects

Session 2.3

- Levels
- Break

Session 2.4

- Levels (Cont'd)
- Grids
- EQ Constraint
- Break

Session 2.5

- Importing / Linking CAD File
- Break

Starting Architectural Projects, Modelling Walls

Session 2.6

- Structural Column Placement
- Introduction to Walls

12:55

- Q & A & End of Session 2

SESSION THREE

Modelling Walls

09:30 Session 3.1

- Walls
- Edit Wall Profile
- Wall Opening Tool
- Break

Session 3.2

- Walls (Cont'd)
- Building Exercise
- Break

Working with Doors and Windows

Session 3.3

- Doors & Windows
- Break

Session 3.4

- Doors & Windows (Cont'd)
- Break

Session 3.5

- Match Type Properties
- Create Similar
- Locked Dimension Constraint
- Global Parameters
- Reveal Constraints
- Break

Working with Doors and Windows, Adding Tags and Schedules

Session 3.6

- Selection Filtering
- Copy & Paste Aligned to Selected Levels
- Tagging

12:55

- Q & A & End of Session 3

SESSION FOUR

Adding Tags and Schedules

09:30 Session 4.1

- Schedules
- Break

Working with Curtain Walls

Session 4.2

- Curtain Walls
- Break

Working with Curtain Walls, Modelling Floors

Session 4.3

- Curtain Walls (Cont'd)
- Floors
- Break

Modelling Ceilings

Session 4.4

- Floors (Cont'd)
- Break

Session 4.5

- Ceilings
- Break

Session 4.6

- Ceilings (Cont'd)
- Lighting Fixtures

12:55

- Q & A & End of Session 4

SESSION FIVE

Modelling Roofs

09:30 Session 5.1

- Roofs
- By Footprint
- By Extrusion
- Break

Modelling Stairs, Railings and Ramps

Session 5.2

- Stairs
- Component Stairs
- Sketched (Explanation Only)
- Break

Session 5.3

- Stairs (Cont'd)
- Multiple Levels
- Shaft Opening
- Railings
- Break

Working with Views, Adding Components

Session 5.4

- Views
- Duplication
- Crop Region
- Components
- Break

Session 5.5

- Views (Cont'd)
- Call-Out Views
- Duplicate As Dependant
- Sections
- Break

Session 5.6

- Views (Cont'd)
- Elevations
- View Templates
- Filters

12:55

- Q & A & End of Session 5

SESSION SIX

Creating Details

09:30 Session 6.1

- Detail Views
- Detail Lines
- Filled & Masked Regions
- Detail Components
- Break

Annotating Construction Drawings, Creating Details

Session 6.2

- Detail Views (Cont'd)
- Repeating Details
- Insulation
- Dimensions
- Text
- Break

Working with Views

Session 6.3

- ViewCube
- Break

Session 6.4

- 3D Section Views
- Section Box
- Selection Box
- Break

Viewing in 3D

Session 6.5

- Cameras
- Placing & Manipulating
- Navigation Bar
- Break

Creating Construction Documents

Session 6.6

- Placing & Modifying Views on Sheets
- Overview of Printing & Exporting

12:55

- Q & A & End of Session 6

Forthcoming dates

Select a course and complete the [enquiry form](#) or contact us on **01992 807 444** or via [email](#) to speak to one of our training specialists who can answer any questions you may have and/or make a reservation on your selected course.

DATE	LOCATION	TRAINER	VERSION	STATUS	PER PERSON
11 Jan 2021	Online	Trainer TBC		Available	£885.00
8 Feb 2021	Online	Trainer TBC		Available	£885.00

All prices are per-person on a scheduled course and exclude VAT.

Please note that the course details above, may be subject to change at short notice.

DURATION

6 Sessions

COURSE CODE

RA-FUN-OL

COURSE COST

£885

Applies per person on an on-line scheduled course (excludes VAT)

Get in touch

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