Revit Essentials *for Architecture and Structures*

Training course outline

Revit is a Building Information Modelling (BIM) solution used by Architects, Building Designers and Structural engineers to develop high quality designs.

Revit Essentials training provides a thorough grounding in Revit for beginners. On completion, you will be able to use Revit to take a project from conceptual through the stages of design, analysis, documentation and visualisation.

Course summary

Teaches:

- The concepts behind Building Information Modelling (BIM).
- The use of Revit's tools for architectural and structural design.
- Presentation and visualisation techniques.

Duration

Three days.

Who should attend?

This course is ideal for:

- Architects and building designers who need to develop high quality, accurate architectural designs.
- Structural engineers, interested in the tools used to develop structural designs.

This techniques taught in this courses are relevant to users of both Revit LT and full Revit.

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), and our *Revit Essentials for Architecture and Structures* course is 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 Revit Essentials training guide.
- An e-certificate from Autodesk confirming attendance on an accredited Revit course.

Method of delivery

Training is designed for the busy professional, being short and intensive and combining lecture and demonstration. Practical exercises carried out under guidance help delegates to learn the techniques taught.

After course support

Following Revit training, you're entitled to 30 days' email support from your trainer.

Revit professional certification

Armada is an authorised Autodesk Certification Centre (ACC) offering Autodesk professional certification exams which lead to 'Autodesk-certified professional in Revit status.

Further information, prices & dates

See: armada.co.uk/course/revit-training/.

Course syllabus

See over.

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Course syllabus

Day 1 – General Revit techniques

Topics	Sub-topics
Building Information Modelling (BIM)	Introduction to BIM
Revit basics	Exploring the user interface Working with Revit elements and families
Viewing the structural model	Working with views Controlling object visibility Working with elevation and section views Working with 3D views
Starting a new project	Setting up a project Setting up view templates Defining discipline settings Importing typical DWG details Linking a Revit model Coordinating linked projects Adding and modifying levels Creating and modifying grids

Days 2 and 3 – Techniques specific to Architecture and Structural Design

Topics	Sub-topics
Detailing and drafting	Creating callout views Working with text and tags Working with detail views Working with drafting views Working with CAD details
Annotations and schedules	Adding dimensions Working with text and tags Creating legends Working with schedules
Construction documentation	Working with sheets and title blocks Printing sheets Exporting content to CAD formats
The Basics of the Building Model - columns and walls	Adding and modifying walls Working with compound and vertically compound walls Using Editing commands Working with doors Adding and modifying windows
Frames	Adding floor framing Working with beams and beam systems Working with structural steel frames Working with structural concrete beams
Floors and roofs	Adding floors Creating roofs and adding structural framing
Foundations	Adding foundations
Stairs and ramps	Creating stairs Creating ramps
Loading Additional Building Components	Adding and modifying component families
Viewing the Building Model	Managing views Controlling object visibility Working with section and elevation views Creating and modifying 3D views
Dimensions and constraints	Working with dimensions Applying and removing constraints
Developing the building model	Creating and modifying floors Adding and modifying ceilings Adding and modifying roofs
Presentation and visualisation techniques	Working with graphics Enhancing views