Advanced Revit *for Structures*
Training course outline

Advanced-level course for structural engineers who want to take their use of Revit to the next level.

Course summary

Teaches how to use Revit's advanced features and tools relevant to structural engineering. The topics covered on this course include:

- Working with detail components and managing details.
- Working with rebar and families.
- Performing analytical analysis.
- Collaborating on designs with other team members.

At the end of each day we'll run an open session looking at topics requested by delegates, answering any specific questions you might have and looking at areas you're having problems with.

Duration

Two days.

Who should attend?

Structural engineers who want to take their use of Revit to the next level, learning to us Revit's advanced features and becoming more productive.

Delegates should have attended *Revit Essentials* training or be familiar with the skills taught in this course through other means.

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 *Advanced Revit for 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 also 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.
- An e-certificate from Autodesk confirming attendance on an accredited *Advanced Revit for Structures* 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.

Delegates have ample opportunity to discuss their specific requirements.

After course support

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

Further information, prices & dates

See: armada.co.uk/course/advanced-revit-training-for-structures/.

Course syllabus

See over.

Course syllabus

Topics	Sub-topics
Working with detail components and managing details	Creating a 2D detail component Creating and editing detail component groups Managing a library of typical details
Working with rebar	Adding 3D rebar to beams and columns Adding reinforcement to walls and slabs
Working with families	Creating a slab on metal deck Creating a precast hollow core slab Creating a tapered moment frame Creating a tapered moment frame Creating a 3D steel gusset plate Working with steel stiffeners Creating a stepped footing
Creating trusses	Modifying an open web joist Creating a new truss from the library
Exploring analytical tools	Working with the analytical model Adjusting the analytical model Checking for analytical consistencies Adding and modifying boundary conditions

Topics	Sub-topics
Working with clients and consultants using DWG files	Importing and exporting from/to AutoCAD Importing and exporting from/to AutoCAD Architecture
Working with clients and consultants using Revit Architecture	Linking Revit models Coordinating and monitoring changes Checking and fixing interference conditions
Multiuser work-sharing	Creating and using worksets Managing worksets
Sharing your design using DWF	Importing and publishing using DWF format Working with DWF markup files
Importing and exporting data with IFC format	Importing and exporting with IFC format

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