

Revit Essentials *for Mechanical, Electrical, Plumbing (MEP)*

Training course outline

Autodesk Revit MEP is used by mechanical and electrical engineers and plumbers to design the most complex building systems.

Revit supports Building Information Modelling (BIM), to help drive accurate design, analysis, and documentation of efficient building systems from concept through construction.



Course summary

Teaches the concepts behind Building Information Modelling (BIM), and the use of Revit's tools for designing heating, cooling and piping systems.

Duration

Three days.

Who should attend?

This course is ideal for engineers new to Revit who need to develop high quality, accurate mechanical, electrical and/or plumbing designs.

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 MEP Essentials* 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 MEP 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.

Delegates have ample opportunity to discuss their specific requirements.

After course support

Following *Revit MEP Essentials* 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-mep-training.

Course syllabus

See over.

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 levels Creating grids

Days 2 and 3 – Techniques specific to MEP

Topics	Sub-topics
Starting Revit MEP projects	Linking architectural projects Copying and monitoring elements Setting up and modifying Levels
Understanding Revit MEP systems	About MEP systems Creating systems - overview Connecting components
Spaces and zones	Creating spaces Creating zones and colour schemes
Energy analysis	Preparing a project for energy analysis Analysing the heating and cooling loads Exporting for secondary analysis
Piping systems	About piping systems Creating piping systems

Topics	Sub-topics
HVAC systems	About HVAC systems Adding air terminals and mechanical equipment Adding ductwork Creating and modifying duct systems Automatic ductwork layouts
Electrical systems	About electrical systems Placing electrical components Creating electrical circuits Cable trays and conduit Electrical panel schedules
Annotating construction documents	Adding detail lines and symbols
Tags and schedules	Adding tags Creating schedules Modifying schedules