



# Revit MEP Essentials Training Course Content



## Course Overview

Revit MEP Essentials is a 3 day hands-on practical course that will teach the student HVAC, electrical and plumbing/piping components that make Revit MEP a powerful and flexible modelling tool. The objective is to teach students the necessary tools to create, document and print the parametric model. Students will be taken through the basics to a full Revit MEP project from linking in an architectural model to construction documents.

## Who should attend / prerequisites

This course is for new users of Revit MEP who wish to start using the program as soon as possible. Students should have knowledge of MEP engineering, its terminology and practices. Existing CAD knowledge is essential. If you have not used CAD for some time, or if you have no CAD knowledge then you are likely to struggle with this course. If this is the case please consider a 1 to 1 course.

## Courseware / Certificate / Instructor

Everything we do is authorised by Autodesk—the authors of Revit Software. Included in the price of your course will be:-

- An Autodesk Official Training Manual with practical exercises and supporting Revit files/examples.
- An e-certificate in pdf format direct from Autodesk confirming successful completion of an Accredited Revit Course.
- The instructor is an Autodesk Certified Instructor (ACI) with many years experience.

## Location & Facilities

Our training facility in Colchester, Essex, is an Autodesk Authorised Training Centre and has the latest Revit software along with older versions if you prefer. We limit the number of attendees to a maximum of six people to ensure you have quality time with the instructor. We can provide one to one or group training at your premise anywhere in the UK.

## Dates, Pricing & Discounts

Our scheduled courses are run on the last Wednesday to Friday of each month. Prices per person are £765 ex VAT or £725 each for 2 people. Further discounts are available for larger bookings, please ask for details.

## Summary

Level	Beginners
Course Type	Hands on, practical
Duration	3 Days
Time	9:15am - 4:30pm
Cost	£765 ex VAT
Frequency	Every Two Month
Dates	<a href="#">Click Here</a>
Support	<ul style="list-style-type: none"> <li>• 12 months Phone</li> <li>• Lifetime via e-mail</li> </ul>
Class Size	6 people maximum
Software	Revit / Revit LT (Latest release unless requested otherwise)
Certification	Autodesk Authorised e-certificate
Courseware	Autodesk Training Guide included
Location	<ul style="list-style-type: none"> <li>• Colchester, Essex; or,</li> <li>• On site (at extra cost)</li> </ul>
Prerequisites	See main text

For further information call us on

# 0333 772 2025

Or e-mail [training@cad-bureau.co.uk](mailto:training@cad-bureau.co.uk)



**CAD Bureau Southern Ltd**  
 Colchester Business Centre,  
 1 George Williams Way, Colchester, Essex CO1 2JS  
[www.cad-bureau.co.uk/cad-training](http://www.cad-bureau.co.uk/cad-training)  
[training@cad-bureau.co.uk](mailto:training@cad-bureau.co.uk)

# Revit MEP Essentials

## Training Course Content

**AUTODESK**  
Authorised Training Centre

**AUTODESK**  
Learning Partner

Topics	Sub-Topics
<b>Introduction to Autodesk Revit MEP</b>	
Building information Modelling	Building information Modelling (BIM)
Revit MEP Basics	Overview of the interface, Standard Terminology, Starting Projects, Viewing Commands
Basic Drawing & Editing Tools	General Drawing Tools, Editing Elements, Standard Modifying Tools

<b>Creating MEP Projects</b>	
Starting MEP Projects	Linking in Architectural Projects, Copying & Monitoring Objects, Setting Up Levels
Working With Views	Duplicating Views, Adding Callout Views, Setting The View Display, Creating Elevations, Creating Sections, Working With Ceilings
Understanding Revit MEP Systems	About MEP Systems, Working With Components, Creating Systems—Overview, System Graphics, Connecting Components, Analysing Systems
Spaces and Zones	Creating Spaces, Working with Spaces, Creating Zones, Creating Colour Schemes,
Performance Analysis (Time Permitting)	Preparing a Project for Energy Analysis, Analysing the Heating & Cooling Loads, Exporting for Secondary Analysis
HVAC Systems	About HVAC Systems, Adding Air Terminals & Mechanical Equipment, Adding Ductwork, Creating Duct Systems, Automatic Ductwork Layouts
Hydronic Piping Systems	About Hydronic Piping Systems, Adding Mechanical Equipment, Drawing Piping, Creating Hydronic Systems, Automatic Piping Layouts, Fire Protection Systems
Plumbing Systems	About Plumbing Systems, Adding Plumbing Fixtures, Drawing Piping for Plumbing Systems Working with Plumbing Systems
Electrical Systems	About Electrical Systems, Placing Electrical Components, Creating Electrical Circuits, Cable Trays and Conduit, Electrical Panel Schedules

<b>Construction Documents Phase</b>	
Construction Documents	Setting Up Sheets Placing & Modifying Views on Sheets Printing Sheets
Annotating Construction Documents	Working with Dimensions Working With Text Adding Detail Lines & Symbols
Tags & Schedules	Adding Tags Rooms & Room Tags Working With Schedules
Detailing in Autodesk Revit MEP	Setting Up Detail Views, Creating Details Annotating Details, Legends, Patterning

**Note:** The instructor may add or remove topics depending upon the ability of the students attending.


The topics above are from the Official Autodesk Training Guides that may change at the discretion of Autodesk of which we have no control.



**CAD Bureau Southern Ltd**  
Colchester Business Centre,  
1 George Williams Way,  
Colchester,  
Essex,  
CO1 2JS

## Contact Us

For more information about our products and services:

 0333 772 2025

 [training@cad-bureau.co.uk](mailto:training@cad-bureau.co.uk)

 [www.cad-bureau.co.uk](http://www.cad-bureau.co.uk)