

#### TRAINING LOCATIONS

**Synergis EduCast**  
Virtual  
Online

**Quakertown**  
18 South 5th Street  
Quakertown, PA 18951



## Autodesk Revit MEP Essentials

**Course Description:** This course covers the concepts and principles of creating 3D parametric models of MEP systems from engineering design through construction documentation. It introduces the Revit user interface, and teaches basic HVAC, electrical, and piping/plumbing components, and the tools required to create, document, and print the parametric model.

**Prerequisites:** An understanding of MEP engineering and terminology is highly recommended

Length:	4 days
Times:	8:30 AM - 4:30 PM
PDH Credit Hours:	26 hours

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## Representative Topics

- Introduction to the Revit user interface
- Starting an MEP project based on a linked architectural model and creating levels and grids as datum elements for the model
- Understanding the project browser and working with views
- Understanding Revit families and components
- Working with basic sketching and modifying tools
- Copying and monitoring elements and coordinating linked models
- Creating spaces to analyze heating and cooling loads
- Connecting and testing basic systems
- Creating pipe systems with plumbing fixtures and pipes
- Creating duct systems with air terminals, mechanical equipment, and ducts
- Creating advanced HVAC and plumbing systems with automatic duct and piping layouts
- Creating electrical circuits with electrical equipment, devices, and light fixtures

The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants. Cancellation/Rescheduling Fee of 25% of the Daily Rate per Student will be assessed for anyone canceling or rescheduling a Synergis Training Class without at least 14 days notice. If applicable, the Cancellation or Rescheduling Fee will be invoiced to you automatically. Classes are confirmed based on the number of students registered and therefore cancellations and rescheduling of classes may affect other customers. Please be sure that you can attend the class dates for which you are registering when you submit your order.