

# Technical Education Services



## Revit MEP: Creating MEP Families

### Course Length: 4 hours

This class will explore the power of Autodesk® Revit® MEP and its ability to create content. You'll learn how to develop content that is fully functional for mechanical design, analysis, and documentation. We will cover the basic and advanced family creation techniques, and all the tips and tricks you will need to get the family to work the way you want, including custom connections, parameters and labels, and formulas.

#### Class topics:

- Overview of family templates
  - Surface vs. object based / mounting
- Starting your family
  - Reference planes
  - Reference lines
  - Sketching solid extrusions and voids
  - Aligning and locking geometry
- Constraints
  - Family and shared parameters
  - Dimensional constraints
  - Flexing your family
- Connectors
  - Duct connectors
  - Electrical connectors
  - Pipe connectors
  - Cable tray connectors
  - Conduit connectors
- Linking parameters
- Nesting families
- Controlling object visibility
- Symbolic lines and masking regions

#### Prerequisites:

Revit MEP Fundamentals or equivalent

Course description shown for Autodesk Revit MEP 2014. Topics, curriculum, and/or prerequisites may change depending on software version.

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## Cancellation Policy

The following cancellation policy shall apply to all training engagements, Live Online, Consulting Services and Dedicated/ Custom Training:

- Company reserves the right to reschedule or cancel the date, time and location of its class at any time. In the event that a Training Class is cancelled by Company, Customer is entitled to a full refund. Company shall not be responsible for any other loss incurred by Customer as a result of a cancellation or reschedule.
- For Customer cancellations when written notice is received (i) at least ten (10) business days in advance of the class, the Customer is entitled to a full refund of its payment or reschedule enrollment, (ii) less than ten (10) business days, Customer shall not be entitled to a refund, but shall receive a class credit to be used within three (3) months of the date of the original class.
- Student substitutions are acceptable with at least two (2) days prior notice to the class, provided substitution meets course prerequisites and is approved by Company's Training Coordinator ([trainingcoordinator@rand.com](mailto:trainingcoordinator@rand.com))
- For all Training orders, cancellation notices must be submitted to [trainingcoordinator@rand.com](mailto:trainingcoordinator@rand.com). Company is not responsible for any error in the delivery of the email notice. In the event of any reschedule of Consulting Services and/or Dedicated/Custom Training by Customer, Company will invoice Customer for all non-cancellable travel expenses.

For full terms and conditions, go to [imaginit.com/TrainingTC](http://imaginit.com/TrainingTC).

To request more information or to see training locations, visit [imaginit.com/contact](http://imaginit.com/contact).

