

TRAINING LOCATIONS

Synergis EduCast
Virtual
Online

Quakertown
18 South 5th Street
Quakertown, PA 18951



Autodesk Revit Structure Essentials

Course Description: This course covers the concepts and principles of creating 3D parametric models of structural buildings from engineering design through construction documentation. It introduces the Revit user interface and teaches basic building components, and the tools required to create, modify, analyze, and document a parametric model.

Prerequisites: Experience and knowledge in structural engineering and its 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

- Navigating the Revit workspace and interface
- Creating levels and grids as datum elements for the model
- Starting a structural project based on a linked architectural model
- Adding structural columns and walls
- Structural reinforcement
- Analytical models and placing loads
- Working with basic sketching and modifying tools
- Understanding Revit families and components
- Creating a 3D building model
- Adding foundations and structural slabs
- Beams, trusses, and framing systems
- Setting up sheets for plotting with text, dimensions, details, tags, and schedules