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registered AIA/CES provider

Autodesk Revit Structure Fundamentals

- Prerequisite: Windows® XP Operating System experience.
- Available times: 3 days, 9:00am-5:00pm; 6 mornings, 9:00am-1:00pm; 6 late afternoons, 3:00pm-7:00pm or 6 evenings, 6:00pm-10:00pm.

Objective: Create a fully integrated, bi-directional Structural model using a single project database. Develop views and schedules as reports from the model.

Topics include:

- **Revit Environment and Workflow:** Familiarization, navigation, overview of Project Browser, models, sheets, and views. How does Revit differ from AutoCAD? Using Revit Structure for a complete Structural package
- **Conceptual Design:** Developing preliminary structural layouts, including columns, grids, structural walls, floor framing, structural steel frames, and decking. Adding footings and pile caps, grade beams, elevator pits,
- **Design Development:** Creating detail drawings directly in the model using 2D and 3D drafting and parametric detailing tools. Basic Editing using the Revit toolset including splitting walls, trim / extend, match, align, move, offset, rotate, array, mirror and group.
- **Sections and Details:** Add reinforcement and detail components to wall sections. Add detail lines and groups to section views. Import and edit DWG details. Add concrete detail components to drafting views. Create and modify steel details.
- **Construction Documentation:** Create temporary and permanent dimensions, text and text styles, fill patterns, tags, arrowheads and symbols. Learn to create and modify schedules and to configure office standards for line styles and line weights to comply with other CAD standards.
- **Compatibility with AutoCAD:** as well as output to DXF, DGN and PDF file formats.