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## AUTODESK REVIT STRUCTURE FUNDAMENTALS

**Course Length:** 8 Hrs

**Schedule:** 8:30am - 5:30pm

### Designed For:

This course is recommended for Contractors and Structural engineering students and professionals

### Learning Objectives:

After completing this session you will be able to:

- ✚ Describe the Value of BIM for Structural Design and Engineering
- ✚ Create projects and organizational systems for Structural Design
- ✚ Create Framing Systems for a Steel Framed Building
- ✚ Create Floor and Roof Systems for a Steel Framed Building

### Prerequisites:

It is recommended that students have experience in the Structural engineering industry, as well as a working knowledge of Microsoft® Windows® 7 or 8.

### What you get:

Students will get Training Module and an industry-recognized Certificate of Completion.

### Notes:

The course length is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the students.

All courses will be taught on the products included in the current Autodesk® 2017 release.

### Course Description:

The introductory-level course will give students A high level understanding of the main Productivity tools and workflows of Autodesk® Revit Structure for designing and building Efficient building structures. During this session, the student will have hands-on opportunity to know the capabilities and benefits for the structural workflow.

### Topics Covered:

- ✚ BIM for the Structural Platform
- ✚ Column Grids & Levels
- ✚ Structural Columns
- ✚ Structural Walls
- ✚ Beam and Beam Systems
- ✚ Foundations
- ✚ Wall Footings
- ✚ Steel Bracing
- ✚ Structural Floors
- ✚ Structural Reinforcement
- ✚ Project Documentation

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