



# **Autodesk Revit 2017 (R1) Structure: Fundamentals - Metric: Autodesk Authorized Publisher**

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To take full advantage of Building Information Modeling, the *Autodesk® Revit®2017 (R1) Structure Fundamentals* student guide has been designed to teach the concepts and principles from building design through construction documentation using the Autodesk® Revit® 2017 (R1) Structure software. This student guide is intended to introduce students to the user interface and the basic building components of the software that makes it a powerful and flexible structural modeling tool. The goal is to familiarize you with the tools required to create, modify, analyze, and document the parametric model.

## Topics Covered

- Introduction to the Autodesk Revit software
- Basic drawing and editing tools
- Setting up levels and grids
- Working with views
- Starting a structural project based on a linked architectural model
- Adding structural columns and walls
- Adding foundations and structural slabs
- Structural reinforcement
- Beams, trusses, and framing systems
- Analytical models and placing loads
- Project practices to reinforce learning
- Construction documents
- Annotating construction documents
- Detailing
- Scheduling

## Prerequisites

This student guide introduces the fundamental skills in learning how to use the Autodesk Revit Structure software. It is highly recommended that students have experience and knowledge in structural design and its terminology.

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