

Autodesk Revit Site and Structural Design Training Course

Course Length: 8-Hours

- 8-Hours (4 x 2-Hour Sessions) Training
- Delivered remotely over MS Teams
- Sessions are recorded and download links are provided after each session for your future use and reference.
- Pricing is based on 1-3 people.
- Volume Discounts apply for 5+ people.
- Training is usually broken up into 2 or 4-hour sessions in the morning and flexible (i.e. consecutive or Monday, Wednesday, Friday, etc.)
- Training sessions can start within 14 days of booking
- Courses are private and topics can be customised to suit

The main purpose of the Autodesk® Revit® Architecture software is to design buildings: walls, doors, floors, roofs, and stairs. However, architects also frequently need to add site and structural information. The Autodesk Revit Architecture Site and Structural Design course covers the elements and tools that are used to create topographic surfaces for site work and add structural elements.

Topics Covered

Site

- Create topographic surfaces.
- Add property lines and building pads.
- Modify toposurfaces with subregions, splitting surfaces and grading the regions.
- Annotate site plans and add site components.
- Work with Shared Coordinates.

Structural

- Create structural grids and add columns.
- Add foundation walls and footings.
- Add beams and beam systems.
- Create framing elevations and add braces.

Prerequisites

Knowledge of the basic techniques of the fundamentals of the Autodesk Revit Architecture software covered in the Autodesk Revit Fundamentals for Architecture course. Information on the Autodesk® Revit® Structure software, which is optimised for structural engineering, is covered in Autodesk Revit Fundamentals for Structure course.

Training Course Contents

Chapter 1: Site Design

- 1.1 Preparing a Project for Site Design
- 1.2 Creating Topographical Surfaces
- 1.3 Adding Property Lines and Building Pads
- 1.4 Modifying Toposurfaces
- 1.5 Annotating Site Plans
- 1.6 Adding Site Components
- 1.7 Working with Shared Positioning

Chapter 2: Structural Tools

- 2.1 Structural Basics
- 2.2 Creating Foundations
- 2.3 Modelling Structural Framing