

## **Autodesk Revit Architecture Site and Structural Design Training**

**Course Length: 1 day**

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.

### **Site Topics Covered**

- 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 Topics Covered**

- 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 optimized for structural engineering, is covered in Autodesk Revit Fundamentals for Structure course.

## Training Guide 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

### Appendix A: Autodesk Revit Architecture Certification Exam Objectives