

Revit for Landscape Architecture is designed to teach the Revit functionality with a focus on creating and documenting a full 3D Project model for an urban environment. Users will begin by learning the interface and basic drawing and editing tools before learning how to create and modify a basic building with walls, doors, windows and roofs. Students will then learn how to model hardscapes using walls, floors, and stairs and add components such as trees and site furniture. Users will then learn how to use the toposurface tools that come with Revit. Finally, students will learn the processes required to take the model into the construction and documentation phase.

Prerequisite: Knowledge of the Landscape Architecture Industry terms and procedures. Prior Revit or CAD Experience is a plus.

Introduction to BIM and Revit

BIM and Revit, Revit Interface, Starting Projects, Viewing Commands

Basic Sketching and Modify Tools

Using General Sketching Tools, Editing Elements, Working with Basic Modify Tools, Working with Additional Modify Tools

Creating a Basic Building

Starting CAD-Based Projects, Modeling Walls, Inserting Doors and Windows, Creating Roofs by Footprint

Starting Model-based Projects

Linking Revit Models, Setting Up Levels, Copying and Monitoring Elements, Coordinating Linked Models

Working with Views

Setting the View Display, Duplicating Views, Adding Callout Views, Creating Elevations and Sections

Modeling Hardscapes

Working with Materials, Creating Sloped Floors, Modeling Stairs, Ramps and Railings

Adding Planting and Other Landscape

Adding Landscape Components

Basic Site Design

Preparing a Project for Site Design, Creating Topographical Surfaces, Adding Property Lines and Building Pads, Modifying Toposurfaces, Annotating Site Plans

Creating Construction Documents

Setting Up Sheets, Placing and Modifying Views on Sheets, Printing Sheets

Annotating Construction Documents

Working with Dimensions, Working with Text, Adding Tags and Symbols

Working with Schedules and Legends

Working with Schedules, Creating Legends

Creating Details

Setting Up Detail Views, Adding Detail Components, Annotating Details

What students are saying about our courses:

"I loved how the instructor focused the materials to our needs and uses. Great course!"
- *Matthew Crockett,*
Aquaterra Environmental Solutions

"The instructor was very knowledgeable and ensured everyone grasped the concepts before moving on. He answered all questions even if they were outside the scope of the class. Great Job!"
- *Vern Howard,*
Honeywell FM&T

* The suggested course duration is a guideline. Course topics and timeline may be modified by the Instructor based upon the knowledge and skill level of the course participants.