

Autodesk® Revit Architecture - Advanced

Brief Synopsis of Class Contents:

Students will learn the different uses for masses in early conceptual design. Next will be lessons for visualization and rendering including the application of materials and the placement and importance of lighting. Students will learn the importance and value of setting up a project template to consistently control standards and pre-populate projects with needed content. More family editing is covered in this class beyond what is taught in the Revit Architecture Intermediate class.

Learning Objectives:

- Explore the different uses for masses
- Learn techniques for visualization and rendering
- Set up a template to control standards
- Advance student knowledge of 3D Family editing

Courseware:

Ascent Official Training Courseware
-Revit Conceptual Design and Visualization
-Revit BIM Management

Number of Days:

3 Half Day Sessions

Continuing Education Hours:

12 hours

Who Should Attend:

Architects, Engineers and Master Planners

Prerequisites:

Current users of Revit Architecture who are comfortable with fundamental and intermediate level concepts. Students at this level should have a high degree of competency and comfort using Revit.

System and Software Requirements:

<http://www.asti.com/LiveLab-Learning-amp-Training/LiveLab-System-Requirements>

FAQs and Cancellation Policy:

<http://www.asti.com/LiveLab-Learning-amp-Training/LiveLab-FAQS>

Class Outline and Topics:

Massing Studies

- Massing Concepts Overview
- Placing Mass Elements
- Conceptual Mass Family Editor
- Defining and Setting Work Planes
- Creating Mass Forms, Solids / Voids

3D Family Editing

- 3D Family Editing/Authoring Concepts
- In-Place Family Editing
- Detail Component Families
- Nested Detail Component Families
- Category-Specific Family Templates
- Instance and Type Parameters
- Controls in Families
- Testing / “Flexing” Family Parameters
- Visibility Settings
- Defining Types
- Nesting in Families
- Formulas in Families

Space Planning & Area Analysis

- Space Planning
- Area Plans and Schedules
- Color Schemes

Visualization

- Perspective Views
- Creating and Editing Walkthroughs
- Solar Studies

Templates, Title Blocks and Standards

- Best Practices for Template Creation
- Standards Controlled in a Template
- Standard Schedules and Shared Parameters
- Creating Custom Title Blocks
- View Templates and View Types

Rendering

- Rendering Concepts
- Materials
- Lighting
- Background Images
- Enhanced Renderings
- Saving Rendered Images
- Exporting Walkthrough Animations

