

Autodesk Revit®-Fundamentals for Commercial Interior Design

Brief Synopsis of Class Contents:

This class covers the basics of Autodesk® Revit® specifically for Commercial Interior Design. It will address common workflow for setting up a project for test fits and laying out interior space. This course will cover the complete process of setting up, modeling, detailing and composing construction documents for a typical project. This course is five half-day sessions focusing on Commercial Interior Design and will not cover in depth all topics covered in the standard five half-day Revit Fundamentals for Architecture course. Students will be introduced to the concepts of Building Information Modeling and the tools for parametric design and documentation.

Learning Objectives:

- Familiarity with Building Information Modeling.
- Revit fundamental concepts and features
- Create “test fits”, utilize Program Data
- Design using parametric 3D design tools.
- Automated tools for project documentation.
- Create presentation views from model
- Hands-on experience using Revit
- Design Options and Phasing for renovation

Courseware:

SDC Publications – Interior Design Using Revit

Number of Days:

5 Half Day Sessions

Continuing Education Hours:

18 hours

Who Should Attend:

Interior Designers, Architects, Facility Managers

Prerequisites:

Knowledge of and experience with Commercial Interior Design and Construction Documentation.

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:

Introduction to BIM

- Concepts/Parametrics
- Project scope/Managing Expectations
- How much to model?

User Interface

- Application Menu
- Ribbon Tabs/Panels/Tools
- Options Bar
- Project Browser | Properties Pallet
- View Navigation

Modeling a Project

- Levels | Grids | Reference Planes
- Families & Types
- Exterior / Core Walls | Floors
- Doors | Windows | Curtain walls
- Constraints / Dimensions

View Management

- Creating View Types
- View Properties
- Visibility Graphics Overrides

Test Fits

- Create Room Area Schedule
- Add Rooms for Program to Schedule
- Setup base information (core/shell)
 - Import/Link CAD base plan(s)
 - Link Revit project
- Define Gross Interior Area(s)
- Interior spaces
 - Room Separator Lines and/or Walls

- Import Scan of Hand Drawn Test Fit
- Import/Link CAD Test Fit

- Place Rooms and Room Tags

Enhance Model

- Furniture
- Casework
- Columns

Initial Document Setup

- Creating Sheets
- Adding Views
- Title Blocks

Reflected Ceiling Plans

- Ceilings
 - Automatic
 - By Sketch
 - Continuous Over Walls
 - Cloud
 - Soffits
- Light Fixtures
- View Range
- Plan Regions

Schedules & Schedule Keys

- Type Modification
- Add Parameter(s)
- Calculated Values
- Sorting / Grouping
- Filtering
- Schedule Keys
- Conditional Formatting

More Views

- Section Boxes
- Shadows
- 3D Orientation to Other View
- Rendering (If Time Permits)

Phasing

- View Properties
- Component Properties
- Phase Settings:
 - Phases
 - Phase Filters
 - Graphic Overrides
- Demolition and Component Status
- Browser Organization

Basic Detailing & Callouts

- Placing & Referencing Callouts
- Drafting views | Importing CAD details
- Detail Components
- Drafting Tools in Revit
- Annotating

Design Options

- Option Sets and Design Options
- Visibility Graphics
- Scheduling
- Best Practices

Printing & Exporting

- Print Setup
- Export to DWF/DWG/DGN
- Export Settings
- Export Images, Walkthroughs, Solar Studies
- Export Schedules, Room / Area Reports

Worksharing

- Enabling Worksets / Worksharing
- Creating Local Files
- Local Save vs. Synchronization
- Team Workflow
- Work Share Monitor (Subscription Tool)

