

Revit Course Online

Build a strong foundation in Revit Architecture and explore its role in Building Information Modeling (BIM). This course introduces you to the basics of 3D modeling, architectural design, and project documentation.

Group classes in Live Online and onsite training is available for this course. For more information, email partnerships@vdc.edu or visit: <https://vdc.edu/courses/revit-fundamentals-course>



admissions@vdc.edu • [\(619\) 758-9300](tel:(619)758-9300)

Course Outline

This package includes these courses

- Intro to Revit Course Online (30 Hours)
- Intermediate Revit Course Online (30 Hours)

Intro to Revit Course Online

In this Intro to Revit course for beginners, you learn how information is interrelated throughout the Revit (BIM) model using the Revit Architecture tools. This course examines how Revit users design 3D models that simultaneously document the project and generate 2D architectural drawings containing floor plans, elevations, and 3D perspective views. You will create a Building Information Model starting from a pre-made template, create floor plans, elevations, and 3D presentation views, place views on sheets, and print drawing sheets to PDF. You will be provided both source Revit files, which you will use to start your project, as well as videos that will guide you through the learning process.

- Describe Primary Revit Concepts and how they relate to Building Information Modeling (BIM).
- Explore the Revit User-Interface.
- Design a 3D building model to explain how information is inter-related
- Determine the appropriate workflow to complete tasks within Revit.
- Develop a project that includes floors, walls, ceilings, stairs, curtain walls, and roof design to strengthen 3D modeling and 2D documentation skills.
- Create presentation-level architectural graphics.
- Catalog building information using schedules.

Intermediate Revit Course Online

In this online BIM class, you will learn more advanced methods to document a project in Revit Architecture. Topics include scheduling building components, using the family editor to create 2D and 3D components, refining graphics, and creating an abbreviated set of construction documents. In this online intermediate BIM class, you will explore advanced methods of

documenting a building project in Revit Architecture by revising and continuing to develop an existing Revit model, exploring design options, creating custom schedules, and learning the skills required to create custom Revit families. By the end of this course, you will be able to turn a conceptual Revit model into an integrated and interoperable construction document set.

- Integrate DWG Files to create Revit details.
- Tag elements for cost estimation and material take-offs.
- Explore the capabilities of design options and how to present different options.
- Create 3D parametric families.
- Build customized door, material, and room schedules that can be used for construction take-offs.
- Explore BIM project Management techniques to keep models efficient and user-friendly.