COURSE SYLLABUS

Revit Course Online

Gain a solid introduction to Revit Architecture and its applications within Building Information Modeling (BIM). Explore the basics of architectural design, 3D modeling, and documentation workflows.

> Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://www.graduateschool.edu/courses/revit-fundamentals-course



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Course Outline

This package includes these courses

- Intro to Revit Course (Self-Paced) (30 Hours)
- Intermediate Revit Course (Self-Paced) (30 Hours)

Intro to Revit Course (Self-Paced)

In this beginner course, you'll explore how information is connected throughout a Revit (BIM) model using Revit Architecture tools. Learn to create 3D building models that automatically generate 2D architectural drawings, including floor plans, elevations, and 3D perspectives. You'll work from a pre-made template to build a complete Building Information Model, place views on sheets, and export drawings to PDF. The course provides source Revit files and step-by-step instructional videos to guide you through each stage of the project.

- Understand core Revit concepts and their role in Building Information Modeling (BIM).
- Navigate and utilize the Revit User Interface effectively.
- Build a 3D model to see how project information is connected throughout the design.
- Apply proper workflows to complete Revit tasks efficiently.
- Develop a complete project with floors, walls, ceilings, stairs, curtain walls, and roofs to enhance 3D modeling and 2D documentation skills.
- Produce high-quality presentation graphics for architectural projects.
- Organize and manage building data using schedules.

Intermediate Revit Course (Self-Paced)

In this online intermediate BIM course, you will build on your Revit Architecture skills by learning advanced techniques for documenting a building project. You'll refine an existing Revit model, explore design options, create custom schedules, develop 2D and 3D parametric families, and produce a streamlined set of construction documents. By the end of the course, you'll be able to transform a conceptual model into a fully integrated and interoperable construction document set.

- Incorporate DWG files to enhance Revit details and drawings.
- Apply element tagging for accurate cost estimation and material take-offs.
- Utilize design options to present and compare multiple design scenarios.
- Develop 3D parametric families for reusable building components.
- Create customized schedules for doors, materials, and rooms to support construction documentation and take-offs.
- Implement BIM project management strategies to maintain efficient, well-organized models.