COURSE SYLLABUS

Revit Course NYC

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 (NYC) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://www.graduateschool.edu/courses/revit-course-nyc



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Course Outline

This package includes these courses

- Introduction to Revit (18 Hours)
- Intermediate Revit (18 Hours)

Introduction to Revit

Whether you are an aspiring architect, engineer, or designer, this hands-on course will equip you with the essential skills to design, document, and analyze buildings and structures more efficiently. Guided by expert instructors, this course combines practical exercises with real-world examples to ensure you master the fundamentals of Revit.

- Revit Basics: Understand the interface, workspace, and essential tools to get started in Revit.
- Modeling Essentials: Learn to create parametric 3D models of buildings, including walls, doors, windows, roofs, and floors.
- Creating Documentation: Master the process of generating construction documents such as floor plans, sections, and elevations directly from your Revit models.
- Families and Components: Explore how to create and manage Revit families to customize components for your projects.
- Rendering and Visualization: Discover how to create photorealistic renderings and walkthroughs to bring your designs to life.
- Collaboration Tools: Gain insight into Revit's collaboration features to manage multi-disciplinary project teams effectively.

Intermediate Revit

Take your Revit expertise to new heights with our comprehensive intermediate course. Designed for professionals with a foundational understanding of Revit, this course is ideal for advancing your skills, enhancing productivity, and creating intricate, detail-rich project designs. Explore advanced tools, workflows, and techniques in a practical and industry-relevant way to elevate your Revit proficiency. This course dives deep into advanced Revit features, providing hands-on training to ensure you gain valuable, real-world skills.

- Advanced Modeling Techniques: Develop complex 3D models and refine your designs using Revit's advanced modeling tools. Learn how to handle more detailed components of architecture and engineering projects effectively

- Workflow Optimization: Explore tools and features to enhance efficiency, streamline workflows, and improve project coordination among multi-disciplinary teams
- Construction Documentation: Produce high-quality, professional-level construction documents, complete with annotations, schedules, and precise detailing to meet industry standards
- View Control and Presentation: Master viewport management, visibility settings, and presentation techniques to bring your designs to life in a visually compelling way
- Family Creation and Management: Learn advanced family creation techniques to build and customize parametric components, providing flexibility and adaptability across projects