COURSE SYLLABUS

Interior Design Software (Self-Paced)

Discover the core software tools used in interior design, including Revit and Twinmotion. Develop skills in space planning and 3D modeling with Revit, then transform your concepts into striking, photorealistic renderings using Twinmotion to fully realize your interior design ideas.

> Group classes (Live Online) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://www.nobledesktop.com/classes/interior-design-software-self-paced



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Course Outline

This package includes these courses

- Introduction to Revit (Self-Paced) (30 Hours)
- Intermediate Revit (Self-Paced) (30 Hours)
- Revit for Interior Design Course Online (Self-Paced) (30 Hours)
- Revit & Twinmotion Interior Rendering Course (Self-Paced) (30 Hours)
- Revit & Twinmotion Exterior Rendering Course (Self-Paced) (30 Hours)

Attend up to one of these elective courses for free (all are optional).

- Introduction to SketchUp Pro (Self-Paced)
- Introduction to AutoCAD (Self-Paced)

Introduction to Revit (Self-Paced)

This beginner-level Revit course offers an in-depth exploration of the interconnections within a Building Information Model using Revit's architectural toolset. The curriculum supports development of a fully integrated 3D model that concurrently produces coordinated 2D documentation—such as floor plans, elevations, and rendered perspectives—while drafting and designing. Instruction commences with a predefined template, proceeding through setup of floor plans and elevations, generation of 3D views, assembly of drawing sheets, and exportation of deliverables to PDF. If you are interested in Revit Certification (also referred to as BIM Certification), we recommend completing the Revit Certification Course series to be fully prepared for the Autodesk Certified User Exam for Revit.

- 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 interrelated
- 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 (Self-Paced)

This intermediate-level online BIM course delves into advanced project-documentation techniques within Revit Architecture. Building upon an existing model, the curriculum covers scheduling components, family-editor workflows for 2D and 3D content creation, graphic refinement, and assembly of a concise construction–document set. Through hands-on exercises, the course demonstrates how to transform a conceptual model into an interoperable set of construction drawings. If you are interested in Revit Certification (also referred to as BIM Certification), we recommend completing the Revit Certification Course series to be fully prepared for the Autodesk Certified User Exam for Revit.

- 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

Revit for Interior Design Course Online (Self-Paced)

This course is tailored to help you perfect your craft and bring your creative ideas to life with incredible accuracy and efficiency. Through step-by-step lessons, engaging exercises, and real-world examples, you'll master essentials like:

- Draft precise floor plans and layouts that are ready to present to clients or integrate with architectural plans
- Transform spaces into fully-rendered 3D designs and explore every detail from lighting to textures
- Learn to create custom furniture and fixtures to make each project uniquely yours
- Save hours of time with Revit's organizational tools, ensuring seamless collaboration between designers, architects, and contractors
- Produce clean, detailed project documents that meet industry standards and wow your clients

Revit & Twinmotion Interior Rendering Course (Self-Paced)

This course provides a comprehensive introduction to real-time rendering with Revit and Twinmotion, focusing on creating high-quality interior visualizations. You will gain hands-on experience with essential tools and techniques to bring your designs to life with stunning detail and interactivity.

- Navigate and master the Twinmotion interface for seamless project creation
- Export and link Revit models to Twinmotion while maintaining real-time synchronization
- Apply materials, lighting, and furniture to enhance the realism of interior spaces
- Configure natural and artificial lighting to create mood and visual storytelling
- Create multiple camera views and optimize scene composition for impactful renderings
- Develop a fully rendered interior scene ready for your portfolio or client presentations

Revit & Twinmotion Exterior Rendering Course (Self-Paced)

Bring your Revit models into Twinmotion and transform them into immersive, real-time exterior visualizations. This course covers model linking, material refinement, realistic lighting, and adding context with landscaping and people to build complete scenes. You'll produce high-quality renderings and animations that clearly communicate design intent for client presentations, finishing with a polished exterior project that demonstrates professional visualization skills using current real-time tools.

- Move confidently through the Twinmotion 2025 interface and use essential tools to set up and manage projects efficiently
- Import and export Revit and SketchUp models with real-time synchronization for smooth workflow updates
- Apply and fine-tune exterior materials, lighting, and landscaping to create more realistic scenes
- Adjust natural and artificial lighting to shape mood and strengthen visual impact
- Set up and manage camera views to improve composition and presentation quality
- Create and export dynamic animations that clearly showcase your building designs