COURSE SYLLABUS

BIM Certification (Self-Paced)

Build advanced skills in Building Information Modeling and get ready for the Autodesk Certified User Exam in Revit through this comprehensive Revit course series. Progressing from foundational concepts to advanced techniques, you'll learn to develop detailed 3D models and produce coordinated construction documents using Revit.

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/bim-certification-self-paced



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Course Outline

This package includes these courses

- Introduction to Revit (Self-Paced) (18 Hours)
- Intermediate Revit (Self-Paced) (30 Hours)
- BIM Construction Documents I (Self-Paced) (30 Hours)
- BIM Construction Documents II (Self-Paced) (30 Hours)
- BIM Construction Documents III (Self-Paced) (30 Hours)

Introduction to Revit (Self-Paced)

Learn the industry-standard software for Building Information Modeling (BIM) in this introductory Revit course. Designed for aspiring architects, engineers, and designers, the course builds essential skills for designing, documenting, and analyzing buildings more efficiently. Through guided lessons, practical exercises, and real-world examples, you'll develop a strong foundation in Revit and its core workflows.

- Learn the Revit interface, workspace, and essential tools
- Create parametric building elements such as walls, doors, windows, roofs, and floors
- Generate floor plans, sections, and elevations directly from Revit models
- Create and manage Revit families to customize project elements
- Produce photorealistic renderings and walkthroughs to communicate design intent
- Explore Revit tools used to support multi-disciplinary project coordination

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

BIM Construction Documents I (Self-Paced)

This online Revit course is the first of three Construction Document courses and focuses on Revit Architecture tools. You will model an existing single-story commercial building, using imported AutoCAD drawings as a base, and develop a site model. You will continue developing your Revit skills by modeling a significant two-story expansion of the initial building. This project scenario reflects the type of work commonly handled by AEC teams using Revit in professional settings.

- Apply BIM modeling tools to create an architectural model that includes existing conditions, partial demolition, and new construction
- Build project topography using external files and develop a site plan incorporating hardscape and landscaping
- Graphically represent project phasing, clearly distinguishing existing construction, demolition, and new construction
- Create renderings suitable for both presentation and documentation

BIM Construction Documents II (Self-Paced)

You will create construction documents for the commercial building and site created in BIM Construction Documents I. You will create the sheet drawings and will add keynotes, detail drawings and schedules.

- Prepare a set of architectural construction documents incorporating the site and building models created in BIM Construction Documents I.
- Develop progress sets of construction documents, reflecting 30/60/90/100 percent deliverable submittals.
- Produce plan, section, and elevation views of the project for sheet layout.
- Keynote elements of the project model. Develop schedules and a limited number of architectural details extracted from the BIM model.

BIM Construction Documents III (Self-Paced)

Build on an existing commercial building model to complete a coordinated Revit drawing set. Develop plan annotations, material and graphic legends, elevations, wall sections, enlarged plans and interior elevations.

Create gross and rentable area plans, use phasing for a future tenant layout, and complete revisions and quality-control checks before exporting the drawing set.

- Complete floor plan documentation, graphic symbols and material legends.
- Create elevations, wall sections, enlarged plans and interior elevations.
- Document gross and rentable building areas.
- Use phasing to develop a future tenant layout.
- Review revisions and quality control, then export the drawing set.