



*Training Course:  
Revit Mastery: Building Your BIM Skills*

*27 - 31 January 2025  
Cape Town (South Africa)  
DoubleTree by Hilton Cape Town - Upper Eastside*

## Training Course: Revit Mastery: Building Your BIM Skills

Training Course code: MA235272 From: 27 - 31 January 2025 Venue: Cape Town (South Africa) - DoubleTree by Hilton Cape Town - Upper Eastside Training Course Fees: 5950 € Euro

### Introduction

Welcome to the Revit Mastery Training Program! This five-day intensive course is designed to transform beginners into proficient users of Revit, a leading Building Information Modeling BIM software. Revit is an essential tool for architects, engineers, and construction professionals, enabling the creation of coordinated, consistent, and complete model-based designs. This program is structured to provide a comprehensive understanding of Revit and its applications in real-world projects.

### Objectives

By the end of this training program, participants will be able to:

- Understand the Fundamentals of BIM: Grasp the concepts of Building Information Modeling and how Revit facilitates these principles.
- Navigate and Utilize Revit Interface: Efficiently work within the Revit environment, including using viewing, navigation, and project setup tools.
- Develop Basic and Advanced Modeling Skills: Create and modify basic architectural elements and progress to complex modeling techniques including custom components and massing.
- Master Documentation and Detailing: Produce detailed construction documents, including plans, sections, elevations, and annotated details.
- Execute Effective Collaboration: Learn how to use Revit in a collaborative multi-user environment.
- Perform Visualization and Presentation: Develop skills in rendering and creating visual presentations of Revit models.

### Methodologies

The training program adopts a mix of instructional methods to cater to diverse learning styles:

- Lectures and Demonstrations: Instructors will explain concepts and demonstrate techniques in Revit.
- Hands-On Exercises: Each topic will include practical exercises, allowing participants to apply learned skills.
- Real-World Projects: Participants will work on a small-scale project, simulating a real-world scenario to apply the comprehensive skills learned.
- Interactive Q&A Sessions: Daily sessions for addressing specific questions and challenges faced by participants.

- Supplementary Resources: Provision of additional learning materials, including tutorials, guides, and access to online forums for extended learning.

## Target Audience

This program is tailored for:

- Architects and Engineers: Professionals seeking to enhance their design and modeling capabilities.
- Construction Managers: Individuals looking to improve their understanding of BIM for better project coordination.
- Students in Architecture and Engineering Fields: Students who want to gain a competitive edge in their studies and future careers.
- CAD Technicians Transitioning to BIM: Professionals experienced in traditional CAD looking to upgrade their skills to BIM.
- Any Professional in the AEC Industry: Interested in learning Revit for career advancement or personal development.

## Outline

### Day 1: Introduction to Revit and Basic Tools

- Overview of BIM and Revit
  1. Understanding BIM concepts.
  2. Introduction to the Revit interface.
- Basic Navigation and Viewing Tools
  1. Learning to navigate the 3D view and 2D drawings.
  2. Understanding the project browser and properties panel.
- Starting a New Project
  1. Setting up a project file.
  2. Basic settings and options.

### Day 2: Modeling Basics

- Creating Architectural Elements
  1. Drawing walls, doors, and windows.

2. Adding floors and roofs.
- Working with Components
    1. Placing components like furniture and lighting fixtures.
  - Modifying Elements
    1. Basic modification tools move, copy, rotate, etc.
    2. Understanding constraints and dimensions.

### Day 3: Advanced Modeling Techniques

- Creating Custom Components
  1. Building custom families.
- Advanced Modeling Tools
  1. Working with massing tools.
  2. Creating complex shapes and surfaces.
- Collaborative Workflows
  1. Understanding work-sharing and collaboration tools.

### Day 4: Documentation and Detailing

- Creating Views and Sheets
  1. Setting up floor plans, sections, and elevations.
  2. Organizing sheets for printing.
- Adding Annotations and Details
  1. Dimensioning and text notes.
  2. Detailing drawings.

### Day 5: Visualization and Final Project

- Rendering and Visualization
  1. Basic rendering settings.
  2. Creating walkthroughs and visual presentations.

- Final Project
  1. Applying learned skills to a small project.
  2. Review and feedback session.

## Registration form on the Training Course: Revit Mastery: Building Your BIM Skills

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

### Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
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### Company Information

Company Name: .....  
 Address: .....  
 City / Country: .....

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
 Personal E-Mail: .....  
 Official E-Mail: .....

### Payment Method

- Please find enclosed a cheque made payable to Global Horizon
- Please invoice me
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### Easy Ways To Register

Telephone:  
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