Autodesk Revit Architecture

Days: 4

Audience: Architects, engineers, drafts persons, and individuals who want to get certified in Revit Architecture.

Prerequisites: Basic design/drafting procedures and terminology.

Description: In this course on Revit Architecture, you will learn to create full 3D architectural project models and set them up in working drawings. You will spend most of the course learning to use design development tools, including building the 3D model with walls, windows, doors, floors, roofs, and stairs, and creating reflected ceiling plans and furniture plans.

You will also learn about the concepts of building information modeling (BIM) and the tools for parametric building design and documentation.

Autodesk Revit Architecture is purpose-built for BIM. BIM is an integrated process built on coordinated, reliable information about a project from design through construction and into operations. By adopting BIM, architecture firms can use consistent information throughout the process to design and document innovative projects, accurately visualize appearance for improved communication, and simulate real-world performance to better understand cost, scheduling, and environmental impact.

OUTLINE:

LESSON 1: USER INTERFACE

LESSON 2: CONCEPTUAL DESIGN

LESSON 3: DESIGN DEVELOPMENT

LESSON 4: CONSTRUCTION DOCUMENTATION

LESSON 5: EXPORTING AND PUBLISHING

LESSON 6: BUILDING SITE TOOLS

LESSON 7: IMPORTING VECTOR AND RASTER DATA

LESSON 8: LINKING PROJECTS: ACQUIRING, PUBLISHING, AND REPORTING SHARED COORDINATES

LESSON 9: CREATING AND MODIFYING TOP SURFACES

LESSON 10: PHASING AND DESIGN OPTIONS

LESSON 11: CONCEPTUAL DESIGN, MASSING

LESSON 12: FLOORS, WALLS ROOFS, CURTAIN WALLS FROM FACE

LESSON 13: EXTRACTING INFORMATION

LESSON 14: IFC AND OBDC DATABASE

LESSON 15: RUNNING INTERFERENCE CHECKS

LESSON 16: PARAMETRIC COMPONENTS

LESSON 17: CREATING AND USING IN-PLACE FAMILIES

LESSON 18: CREATING AND MODIFYING PARAMETRIC FAMILIES

LESSON 19: CREATING NESTED FAMILIES

LESSON 20: WORK SHARING

LESSON 21: IMPLEMENTATION, OPTIMIZATION AND BEST PRACTICES

LESSON 22: PROJECT COLLABORATION

LESSON 23: COPY/MONITOR FEATURES

LESSON 24: BEST PRACTICES FOR SHARING DATA ACROSS DISCIPLINE