

AUTODESK REVIT

BEGINNER TO ADVANCED

curriculum.

01 / getting started.

- introduction to the course,
- understanding the terminology and BIM,
- how to correctly download and install the software.

02 / establishing our skills.

- beginning with the interface,
- setting up the project,
- modeling walls,
- modification tools,
- datum levels.

03 / beginning our first project.

- setting up our first project,
- door component,
- window component,
- modeling a floor by boundary,
- modeling a roof by footprint,
- modeling roof by extrusion and work planes,
- roof construction,
- how to model the structure.

04 / creating the main project.

- starting the main project,
- creating the project wall type,
- stacked walls,
- adding the new wall type,
- adding the roof type,
- adding doors and windows,
- modeling curtain walls,
- adding floors to the project,
- view range,
- modeling a ceiling by boundary,
- section box and displace element,
- placing stair by component,
- modeling stair by sketch,
- modeling railings,
- conceptual mass,
- applying conceptual mass to the project,
- working with families and parameters,
- in-depth creation of a family,
- creating materials,
- modeling the site and topography,
- modeling the site using Toposolid *2024
- finalising the project.

05 / advancing the project.

- annotation,
- annotation tags,
- area plans,
- creating elevations for building documentation,
- creating a section view for building documentation,
- creating a callout for building documentation,
- creating 2D renders,
- sun settings and shadows,
- generating a video walkthrough,
- creating schedules for building documentation,
- creating a material take-off sheet,
- creating a door and window legend,
- working with sheets,
- setting everything up for print,
- linking files.

06 / project management.

- view templates,
- project templates,
- project phasing,
- design options,
- worksharing without the cloud or a server,
- worksharing on the cloud or server.

07 / test your knowledge.

- 1 final exam with 40 questions,
- 3 quizzes with 68 questions.