

# ARCHICAD Essentials Course Outline

## Why Train?

Training is vital for the effective use of any software. Properly trained users will have increased productivity and will gain greater confidence with the software. It is a worthwhile investment to train new users to overcome their initial hesitancy and existing users to increase their depth of knowledge.

## Who is it for?

Our Essentials course has been designed by experts for anyone new to ARCHICAD. No matter what background you are coming from ARCHICAD Essentials Training gives you the confidence to work on projects immediately upon your return to the office.

## Training Objectives

This course introduces you to the principles of Building Information Modelling (BIM) and shows you positive and productive ways of using ARCHICAD. It will equip you with the knowledge and confidence to use the program quickly and effectively. The course includes a mixture of instruction, exercises, discussions and assessments to help trainees understand BIM and develop skills in ARCHICAD.

The objectives of the course are to ensure trainees understand:

- ✓ The advantages of Building Information Modelling
- ✓ How to setup and manage projects from large to small
- ✓ The functionality of ARCHICAD's principal Tools
- ✓ The method of producing a project with associated documentation
- ✓ Extracting basic data from the Model

**Course Duration** 30 days , 3 days / week

## Course Outline

**Course overview** ▷ BIM concepts-Archicad presentation-lines

**Walls & openings** ▷ Walls techniques-Inserting window ,doors Draw circles&curves-First 3d shots

**Construction a building** ▷ Drawing in 3D-Slabs,beams&columns-Zones&fills  
Multiple stories-sections & elevations

**Intelligent 3D objects** ▷ Parametric libraries-Roofs-Perspective views-Meshes-Printing&plotting

**Integration between views** ▷ Dimensions in plans-Sections&elevations - Dimensions in sections & elevations-3D view setting

**Customization** ▷ Creating new lines,fills,composites,materials & zones  
New layer groups-New short cuts & palettes-Prefrences

**Design presentation** ▷ 3D sections-Rendering -Movies-Sun control

**Advanced Modeling Techniques** ▷ Curtain wall -Morph tool-Shell tool-Railing tool

**Publishing your drawings** ▷ Plotmaker concepts-customizing documents-hotlinks between drawings

**Calculations** ▷ creating element ,component ,zone lists-converting lists into spreadsheets  
customizing bills of materials

**Project** ▷ Green building&energy simulation-clash Detection-Evaluation

