

Architectural

Visualization course.

Covering advanced features of Revit Architecture + AutoCAD + Lumion3D

3D-Stills & Animation



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www.cadrightglobalresources.com

What you'll learn

- ✓ You will learn all about Revit Architecture to professional user level
- ✓ You will learn all about AutoCAD interoperability with Revit to professional user level
- ✓ You will learn all about Lumion 3D to professional user level
- ✓ Recorded live one-on-one online sessions will help the trainee gain the right practical skills

REQUIREMENTS

- ✓ Trainee needs to have basic knowledge of computer operations, internet connectivity and of course be aware of the architecture design principles.



Description

General Overview

- In this course, you will learn how to create a full architectural model interior and exterior using recommended software.
- How to share your model with collaborators like Engineers or co-workers.
- How to prepare your detailed Architectural specification drawings. You will learn how to annotate, tag, detail, your model, along with creating, sharing and printing sheets.
- Also, you will learn creating several types of schedules, how to import and export CAD files in and out of the Revit environment. The course will show you how to deal with rooms, render, cameras, Animation, Solar Studies.
- Exporting your finished model to your preferred rendering engine.
- Scene composition: interior and exterior
- Walkthrough creation and Animations
- Batch rendering still shots and videos
- Post processing : still shots and video mastering
- Recorded live sessions will be shared to trainee for practice reference.
- In-course exercises to practice what you learned.



Course content – Revit Architecture

- i. Installing essential software
- ii. Set up and walls
- iii. Doors and windows
- iv. Floors and staircases
- v. Roofing
- vi. Finishing and components
- vii. Mass modellings
- viii. Ceiling and rooms
- ix. External works
- x. Annotation and printing
- xi. Schedules
- xii. Camera, render, animation, solar studies
- xiii. Linking importing CAD files
- xiv. Exporting and Livesync

About the Software

Revit Architecture is a program specifically designed for architecture that uses the BIM (Building Information Modeling) system to generate and manage parametric data about the designs, providing the user with total freedom and interoperability with collaborators.

Course Duration : 11 hours

Maximum of 3 hours per day.

Who this course is for: Architects, draftsmen, engineers in general involved in building design and construction, and students in colleges and universities

Revit Architecture can be used by Contractors and Interior Designers as well



Course content – AutoCAD

- i. Installing essential software
- ii. Page, dimensions, unit settings
- iii. Essentials of graphic communication
- iv. Floorplans
- v. Elevations
- vi. Roof-plan
- vii. Sections: principles and practice
- viii. Internal elevations
- ix. Architectural Details
- x. Reflected ceiling plans
- xi. Floor/tiling layout details
- xii. Schedules : Doors and windows, materials, finishes.
- xiii. Site plan and external works drawings

About the Software

AutoCAD is a computer-aided design (CAD) software that architects, engineers, and construction professionals rely on to create precise 2D and 3D shop drawings. Draft, annotate, and design 2D geometry and 3D models with solids, surfaces, and mesh objects.

Course Duration : 11 hours

Maximum of 3 hours per day.

Who this course is for: This course is for the people who want to learn preparation of real life working Drawings, which is a must for an Architecture student to increase employability profile.



Course content – Lumion3D

- i. Installing essential software
- ii. Getting started
- iii. Importing models
- iv. Livesync
- v. Adding materials
- vi. Lights : daytime and nighttime
- vii. Scene composition
- viii. Landscape
- ix. Adding effects
- x. Motion
- xi. Rendering
- xii. Exporting

About the Software

Lumion3D is a 3D rendering software made especially for architects and designers. If you have a 3D model of your design, Lumion can help you quickly bring it to life and show it in its local context. You can dress a model with materials, furnish interiors and create walkthroughs or animations.

Course Duration : 12 hours

Maximum of 3 hours per day.

Who this course is for: This course is for the students who have become proficient in modelling objects using recommended software. It is essentially a rendering engine for stills and walkthroughs.



Course content : Post-processing

- i. Editing exported rendered stills
- ii. Editing rendered video clips
- iii. Adding splash screens
- iv. Adding captions and annotations
- v. Adding music
- vi. Adding credits
- vii. Saving for presentations

About the Software

Graphic editing tool and movie and sound editing software is used to master the final presentation and ready them for submissions.

Course Duration : 6 hours

Maximum of 3 hours per day.

Who this course is for: This course is for the students who has completed the rendering of still-shots and Architectural walkthroughs or animations.



Summary of Programs

A comprehensive customized package for effective design visualization



AUTODESK
REVIT
Architecture



AUTODESK®
AUTOCAD®



1 **Revit Architecture :**
11 lecture hours. Max of 3 hours
daily

2 **AutoCAD :**
11 lecture hours. Max of 3 hours
daily.

3 **Lumion 3D :**
12 lecture hours. Max of 3 hours daily.



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Course logistics : Time and Cost

Program

Time frame

- ✓ **Revit Architecture**
N100,000 4 days min
- ✓ **Autocad**
N100,000 4 days min
- ✓ **Lumion 3D**
N100,000 4 days min
- ✓ **Post-processing**
Bonus package 1 day min

Total N300,000

Paid in maximum of two installments before commencement and before completion.

Includes software installation and setup, recorded video lessons and after-course follow-up



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About the Tutor

Kosi Emmanuel Chukwujindu

[Connect with me on LinkedIn](#)

[\(99+\) Kosi Emmanuel Chukwujindu | LinkedIn](#)