

Session	Topics	Content Details
Module 1	Introduction to Dynamo	<ul style="list-style-type: none"> ➤ What is Dynamo? ➤ Understanding Visual Programming ➤ Dynamo for Revit vs. Dynamo Sandbox ➤ Interface Overview: Workspace, Library, Nodes ➤ Understanding Data Types and Wires
Module 2	Basic Geometry and Logic	<ul style="list-style-type: none"> ➤ Creating Points, Lines, and Curves ➤ Lists and List Management ➤ Working with Numbers, Strings, and Booleans ➤ Conditional Statements and Loops (Using Node Logic)
Module 3	Revit Element Interaction	<ul style="list-style-type: none"> ➤ Selecting and Filtering Revit Elements ➤ Extracting Element Parameters ➤ Modifying Revit Elements (e.g., move, copy, rotate) ➤ Creating Revit Elements (e.g., walls, floors, families) ➤ Writing to Revit Parameters
Module 4	Data Management	<ul style="list-style-type: none"> ➤ Working with Excel (Import/Export Data) ➤ List Mapping and Data Structures ➤ Sorting and Grouping Elements ➤ Creating Custom Lists and Dictionaries

Module 5	Geometry and Design Workflows	<ul style="list-style-type: none">➤ Parametric Design Basics➤ Adaptive Components➤ Surface Division and Panelization➤ Form Generation with Code Blocks
Module 6	Practical BIM Automation Use Cases	<ul style="list-style-type: none">➤ Automated Sheet Creation➤ Batch Renaming Views or Elements➤ Auto-dimensioning and Tagging
Module 7	Customization and Extensions	<ul style="list-style-type: none">➤ Using Custom Packages(e.g., Clockwork, Data-Shapes, Archi-Lab)➤ Creating Custom User Inputs (sliders, drop-downs, etc.)➤ Best Practices for Script Organization and Maintenance➤ Auto-generating furniture layouts