

AutoCAD Plant 3D Training Schedule

Structured 6-week learning plan with weekday technical training and Saturday support sessions

DURATION	WEEKLY HOURS	TOTAL HOURS	SESSION TIME
6 Weeks	6 Hours	36 Hours	09:00 PM – 10:00 PM

Training Overview

Item	Details
Training Duration	6 Weeks
Regular Sessions	Monday to Friday
Session Duration	1 Hour
Query & Support Session	Saturday
Total Weekly Hours	6 Hours
Total Training Hours	36 Hours
Time	09:00 PM – 10:00 PM

Weekly Schedule

Day	Time	Activity
Monday	09:00 PM – 10:00 PM	Technical Training
Tuesday	09:00 PM – 10:00 PM	Technical Training
Wednesday	09:00 PM – 10:00 PM	Technical Training
Thursday	09:00 PM – 10:00 PM	Technical Training
Friday	09:00 PM – 10:00 PM	Technical Training
Saturday	09:00 PM – 10:00 PM	Queries, Practical Exercises & Troubleshooting

Saturday Query Session Plan

A focused weekly support track for questions, practical exercises, troubleshooting, and final project review.

Week	Focus Area	Query Session Activities
Week 1	Project Setup	Project creation, drawing management, Data Manager queries
Week 2	Structural Modeling	Pipe rack modeling, stairs, ladders, footings practice
Week 3	Equipment Modeling	Equipment creation, nozzle placement, equipment modification
Week 4	Piping Modeling	Routing, fittings, branches, specifications
Week 5	Pipe Supports	Support placement, anchors, guides, model validation
Week 6	Orthos, Isometrics & Reports	Drawing generation, report extraction, final project review

Daily Schedule

Day	Topic	Learning Objective	Exercise
1	Plant 3D Interface	Understand workspace, ribbons, navigation tools, Project Manager	Open sample project and navigate through drawings
2	Project Creation	Create new projects and understand project structure	Create a new project with proper folder setup
3	Project Properties	Configure units, naming conventions, project settings	Modify project settings and save template
4	Drawing Management	Create and organize model drawings	Create Equipment, Structure and Piping drawings
5	Data Manager Basics	Understand project data storage and navigation	Review equipment and line data using Data Manager
6	Structural Grids	Create structural reference grids	Build a simple pipe rack grid
7	Structural Members	Create columns and beams	Model a 3-bay pipe rack
8	Member Editing	Modify and manage structural members	Change sizes and elevations of members
9	Stair & Ladder Modeling	Create plant access structures	Add stair and ladder to pipe rack
10	Plates & Footings	Create foundations and base plates	Complete a basic structural model
11	Equipment Basics	Create standard equipment	Model a vertical vessel

12	Pumps & Tanks	Place rotating and static equipment	Create pump and storage tank
13	Heat Exchangers	Model exchangers and custom equipment	Create shell-and-tube heat exchanger
14	Nozzles	Add and edit nozzles	Add inlet/outlet nozzles to equipment
15	Equipment Workshop	Combine multiple equipment into one area	Create equipment layout with vessel, pump and exchanger
16	Piping Specifications	Understand specs, catalogs and spec viewer	Assign piping specification to project
17	Pipe Routing Basics	Create piping routes using specifications	Route a suction line between vessel and pump
18	Routing from Equipment	Connect piping to nozzles	Route discharge line from pump
19	Pipe Editing Tools	Use grips, compass and editing commands	Modify routing and elevations
20	Fittings & Branches	Insert elbows, tees and reducers	Create branch connection from main header
21	Advanced Routing	Create sloped lines and complex routing	Model drain and vent lines
22	Valves & Inline Components	Add valves and specialty items	Insert gate valve and check valve
23	Pipe Supports Basics	Learn support concepts and support library	Place dummy legs and simple supports
24	Advanced Supports	Create hangers, guides and anchors	Support an elevated pipe run
25	Model Validation	Check design integrity and connections	Validate complete piping model
26	Orthographic Drawings	Generate orthographic views	Create Plan and Elevation views
27	Ortho Detailing	Add dimensions and annotations	Complete fabrication-ready orthographic drawing
28	Isometric Drawings	Generate production isometrics	Create isometric for selected pipeline
29	Reports & Data Extraction	Generate project reports	Create Line List, Equipment List and Support Report
30	Final Assessment Project	Complete integrated model workflow	Create mini plant model and generate Orthos, Isos and Reports