

## SOLIDWORKS Visualize

### OVERVIEW

**CLASSROOM LENGTH:** 2 days

**PREREQUISITES:** None. CAD knowledge is not required to use SOLIDWORKS Visualize.

**DESCRIPTION:** The SOLIDWORKS Visualize course teaches you to leverage your 3D CAD data to create photo-quality content in the fastest and easiest way you can, from images to animations, interactive web content, and immersive virtual reality.

#### LESSON 1:

##### CAD TO SOLIDWORKS VISUALIZE

- Rendering from CAD
- Importing to Visualize
- Visualize User Interface
- Render Selection
- Appearances
- File Libraries
- Scenes
- Rendering
- Output Tools

#### LESSON 2:

##### IMPORT SETTINGS AND APPEARANCES

- Import Settings
- Appearances
- Part Grouping
- Structure and Organization
- Selection Tools
- Object Manipulation
- Split
- Copy and Paste
- Appearance Types
- Textures
- Texture Mapping
- Appearance Type Parameters
- Merge Parts

#### LESSON 3:

##### DECALS

- Decals
- Decal Depth
- Wrapping Decals
- Blend Texture
- Multi-Layer Decal Process

#### LESSON 4:

##### CAMERAS

- Cameras
- Aspect Ratio
- Keep Above Floor
- Grid Overlay
- Perspective
- Camera Orientation
- Depth of Field
- Filters

#### LESSON 5:

##### BACKPLATES, ENVIRONMENTS AND LIGHTS

- Scenes
- Backplates
- Environments
- Lights

#### LESSON 6:

##### PRODUCTIVITY TOOLS

- Productivity Tools
- Multiple Views
- Render All Cameras
- Time Limit Rendering
- Configurations
- Export
- Render All Configurations
- Render Queue
- Visualize Boost

 **SOLIDWORKS** Visualize**LESSON 7:****ANIMATIONS AND GROUPINGS**

- Animations
- Groups
- Animation Output
- Motion Blur
- Keyframe Animation

**LESSON 8:****CAMERA ANIMATIONS**

- Camera Animations
- Camera Movement with the Triad
- Keyframe Properties

**LESSON 9:****ANIMATING APPEARANCES, SCENES**

- Appearance and Scene Animations
- Scene Animation
- Appearance Animations

**LESSON 10:****ALTERNATIVE OUTPUTS**

- Alternative Outputs
- Turntable
- Interactive Images
- Panorama View
- Sun Study
- 360 Camera