

MicroStation V8i Everything 3D

Course Type: Classroom – Hands on

Products Covered: MicroStation

Course Description:

Target Audience: Administrator; Analyst; Application Developer; Architect; Architectural Designer; Architectural Engineer; Civil Engineer; Civil Engineering Technician; Construction Site Worker; Consultant; Designer; Design Engineer; Drafter; Electrical Designer; Electrical Engineer; Facility Manager; GIS Market Analyst; GIS Specialist; Hydraulics Engineer; Imaging Specialist; Instrumentation Drafter; Instrumentation Engineer; Manager; Mechanical Engineer; Mechanical Engineering Designer; Naval Engineer; Pipe Stress Engineer; Piping Designer; Piping Drafter; Planner; Plant Administrator; Plant Engineer; Process Engineer; Product Designer; Project Manager; Site Developer; Structural Designer; Structural Engineer; Structural Engineering Technician; Surveyor

Through a series of hands-on exercises, users will develop a solid understanding of the 3D capabilities of MicroStation V8i. Users will navigate and work in a 3D design file, create and edit 3D curves, solids and surfaces in MicroStation, create parametric 3D models and develop a basic knowledge of the rendering capabilities of MicroStation. In addition, users will learn how to take their 3D data and apply Dynamic Views to create 2D drawings.

Upon completion of this course users will be able to:

Learning Objectives:

- manage and control 3D views
 - use AccuDraw in 3D
 - apply curve tools to design problems
 - use Solid and Surface Modeling tools and techniques
 - render 3D Models
 - create Dynamic Views and export 3D data
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Course Topics:

- 3D Basics
- 3D View Control
- AccuDraw in 3D
- Basic 3D tools and Drawing
- Introduction to Feature Modeling
- Advanced Feature Modeling
- Solid Construction and Modeling
- Solid Utilities
- Conceptual Modeling
- Meshes
- Surface Creation
- Surface Modification and Blending
- Visualizing a 3D Design

- Creating Sheets, Exporting and 3D PDF
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**Course
Details:**

Course Prerequisites:

- MicroStation Essentials
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Learning Units: 32

Display LUs in: hours
