



## Course Outline CADWorx® 2012 Piping Level Two

This course teaches advanced CADWorx topics. It includes lessons in more complex 3D modeling, where the Router command is used extensively. You'll learn how to place supports using the CADWorx Support Modeler. There are also lessons on working with CADWorx Specifications, setting up and modifying Isogen settings, building 3D CADWorx Equipment, and modeling 3D Structural Steel..

### Lesson One (3 Videos)

#### Using Routers

- Constructing Router Lines
- Router Options (Slope, Elevation, World, Position, etc.)
- Constructing Rolled Offsets
- CAESAR II Restraints

### Lesson Two (3 Videos)

#### Modeling a Pump

- Modeling 3D Equipment
- PV Elite – Referenced
- Locating the Pump using Plant Coordinates

### Lesson Three (5 videos)

#### Pump Discharge Line

- Modeling in Vertical
- Routing – using Split Viewports
- Adding Isogen compatible Instruments

### Lesson Four (3 Videos)

#### Specifications

- Opening a Spec
- Creating your own Spec
- Reviewing Spec Contents
- Modifying Descriptions
- Adding Valve Tags
- Adding Size Ranges
- Adding Control Valves
- Updating the Spec during a Project

### Lesson Five (12 Videos)

#### Advanced Modeling

- Routing – using Split Views
- Using the Support Modeler for Base EI Supports
- Adding CAESAR II Restraints
- Modeling Dummy Leg and showing it in Isogen
- Routing in the Pipe Rack

### Lesson Six (6 Videos)

#### Working with Isogen

- Creating the Isometric Directory
- Creating Project Directories
- Configuring Projects on a Network
- Dimensioning Switches
- Other Switches
- Including a Detail Drawing in the isometric
- Adding Reference Dimensions
- Adding Notes in Isometrics

### Lesson Seven (6 Videos)

#### Structural Steel

- Modeling Columns
- Modeling Beams
- Coping Beams
- Modeling Stairs
- Modeling Ladders
- Modeling Handrails

