

Routed Systems Designer 9.0 for Creo Elements/Pro 5.0 (formerly Pro/ENGINEER Wildfire 5.0)

Overview

Course Code	TRN-2247-T
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Course Length	3 Days
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In this course, you will learn how to use Routed Systems Designer (RSD) to create schematic diagrams for both electrical harness and piping designs. You will learn how to administer the RSD working environment, and how to configure the catalog library. You will learn how to create functional block diagrams and block interconnect diagrams. You will learn how to create electrical circuit diagrams, and wiring diagrams, including wire interconnect diagrams. You will also learn how to create process and instrumentation design (P&ID) diagrams for piping systems. Finally, you will learn how to use wiring diagrams and P&ID diagrams to configure 3-D harness designs and industrial piping designs created within Pro/ENGINEER Wildfire. At the end of each module, you will complete Pro/FICIENCY skills assessment questions. These questions are used to help reinforce your understanding of the course topics and form the basis for review sessions.

Course Objectives

- Understanding the 2-D schematic design processes for electrical harness designs and piping designs.
 - Configuring the RSD working environment.
 - Creating and configuring the catalog library.
 - Creating functional block diagrams, (including block interconnect diagrams).
 - Creating circuit diagrams.
 - Creating wiring diagrams, (including wire interconnect diagrams).
 - Creating process and instrumentation design diagrams.
 - Communicating diagram information to Pro/ENGINEER Wildfire.
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Prerequisites

- None

Audience

- This course is intended for engineers, involved in the schematic 2-D layout of either electrical diagrams or piping diagrams.
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Agenda

Day 1

Module 1	Introduction to Routed Systems Designer
Module 2	Configuring the Working Environment
Module 3	Configuring Designs and Diagram Sheets
Module 4	Configuring Catalog Properties
Module 5	Creating Design Templates and Template Sheets
Module 6	Using RSD Tools

Day 2

Module 7	Creating Catalog Artifacts
Module 8	Creating and Configuring a Central Catalog
Module 9	Reviewing Designs
Module 10	Instancing and Manipulating Objects
Module 11	Creating Block Diagrams

Day 3

Module 12	Creating Circuit Diagrams
Module 13	Creating Wiring Diagrams
Module 14	Creating Interconnect Diagrams
Module 15	Creating P&ID Diagrams
Module 16	Using Schematic Design Data in Pro/ENGINEER Harness and Piping Designs
Module 17	Using Pro/Diagram Information
