Course Overview

Course number: EXP-1011-AT  
Course length: 3 days (self-paced with 10 days to complete)

Need to design and implement Layered Recipes, Class Based Recipes, and UI Toolkit Controls

This course provides participants the ability to perform the following Experion Batch Manager tasks:

• Create Layered Recipes
• Understand use of Recipe Builder
• Use of Class Based Recipes (CBR)
• How to define Master Recipe (MR) User Defined Template (UDT)
• Monitor and Operate Control Recipes using Procedure Explorer and Unit Timeline

This course explains how to perform Experion Batch Manager tasks with both C300 controller and UOC controller.

This course includes hands-on lab exercises where students develop Layered Recipes, Master Recipes, and Control Recipes. Students would create Master Recipes in Recipe Builder and use UI Toolkit controls to create custom displays. Implementation of Class Based Recipes for both batch and continuous control.

Course Benefits

Extend Experion® Process Knowledge System (PKS) capabilities through

• Configuring Class-based Master Recipes to reduce the total number of recipes that must be created and maintained. Class Based Master Recipes can be implemented for batch processes and potentially continuous processes
• Using native Summary displays that are embedded directly into the system
• Using UI Toolkit controls for operating batches effectively

Course Delivery Options

• Asynchronous Training (AT)

IMPORTANT – Prior to registration for the e-learning courses (AT, RT, VILT, and VT), you must perform the User Readiness Test. Go to Asynchronous Training, Recorded Training, Virtual Instructor-Led Training, and Virtual Training Access Requirements to perform this test.

Who Should Take This Course?

• Experion PKS System Implementers

Experion configuration tasks can impact the following job roles:

• Experion System or Application Engineer responsible for configuring control loops, logic, and sequence control in process plants
• Continuous or batch process procedure builders responsible for configuring procedural operations and recipes

Prerequisite/Skill Requirements

Prerequisite Course(s)

• (EXP-2001 or EXP-2001-AT) or (EXP-2001C3 or EXP-2001C3-AT) and
• (EXP-21 or EXP-21-AT)

If this course is taken for UOC controller, then following are the pre-requisites from R505 or R510.

• (EXP-2001UOC or EXP-2001UOC-AT) and
• (EXP-21 or EXP-21-AT)

Required Skills and/or Experience

• Prior Control Execution Environment (CEE) implementation experience

Desirable Skills and/or Experience

• Plant, process, and controls knowledge
• Experience configuring Control Execution Environment (CEE) using Control Builder
Course Topics

You will learn how to...

- Create Layered Recipe using resource acquisition, and flow of data through data blocks,
- Use Recipe Builder
- Build Master Recipes using Recipe Builder
- Create and operate multiple batches simultaneously
- Monitor multiple batches on Unit Timeline
- CBR Acquires required resources at run time
- Create custom displays using UI toolkit controls
- Build and operate Master and Control Recipes for continuous control
- Build Sequence Shape Displays for SCM/RCM and MR in HMI Web Display Builder

Additional Training

To increase your knowledge and skills, there are additional courses available from Automation College.

For more information and registration, visit