



COURSE DESCRIPTION

The InBatch Batch Management 2014 R3 course is a 5-day, instructor-led class designed to provide a fundamental understanding of the features and functionality of the InBatch software. The course provides lectures and hands-on labs to supply and reinforce the knowledge necessary to apply InBatch to a batch processing application. This includes creating the plant model, creating recipes and simulating their execution.

OBJECTIVES

Upon completion of this course, you will be able to:

- Define and configure a process model
- Create recipes and simulate their execution against a process model
- Schedule and run batches
- Configure InBatch security
- Using System Platform to connect InBatch to field I/O
- Use InBatch graphics to build user interfaces to InTouch

AUDIENCE

- Application developers
- Engineers
- System integrators
- Other individuals who work with batching systems in their manufacturing processes

PREREQUISITES

- Manufacturing industry experience
- Basic knowledge of batch systems
- Experience using Microsoft Windows
- Basic knowledge of Application Server and InTouch for System Platform
- Basic knowledge of InTouch

COURSE OUTLINE - INBATCH 2014 R3

MODULE 1 - INTRODUCTION

- Section 1 - Course Introduction
- Section 2 - InBatch Overview
- Section 3 - Installation, Components & System Requirements

MODULE 2 - THE ENVIRONMENT DISPLAY

- Section 1 – Environment Manager Overview and Operation

MODULE 3 - PROCESS MODELING

- Section 1 – Process Modeling
- Section 2 – Process Model Editor
- Section 3 – Equipment Status
- Section 4 – Classes
- Section 5 – Phases
- Section 6 – Enumeration
- Section 7 – Units of Measure
- Section 8 – Tags and Parameters for Phases
- Section 9 – Interlock and Control Buttons
- Section 10 – Model Validation and Database Synchronization

MODULE 4 - TRAINS

- Section 1 – Use and Definition of Trains

MODULE 5 - MATERIALS

- Section 1 – Materials and Characteristics
- Section 2 – Assigning Materials and Receiving Materials

MODULE 6 - RECIPES

- Section 1 – Recipes and the Recipe Editor
- Section 2 – Recipe Validation and Approval

MODULE 7 - BATCH MANAGEMENT

- Section 1 – Batch Scheduling
- Section 2 – Batch Display Operation

MODULE 8 - ADVANCED TOPICS, RECIPES, AND BATCHES

- Section 1 – Formula Management
- Section 2 – Reusing a Recipe
- Section 3 – Equipment Availability and Allocations
- Section 4 – Equipment Instances in Recipes
- Section 5 – Recipe Transitions and Loopbacks
- Section 6 – Batch Synchronization at Restart



MODULE 9 - HISTORY AND REPORTING

- Section 1 – History
- Section 2 – Process Logger System
- Section 3 – Reporting System

MODULE 10 - INBATCH CONNECTIONS

- Section 1 – Overview
- Section 2 – InBatch Connection to Control Systems

MODULE 11 - SECURITY SYSTEM

- Section 1 – InBatch Security System Overview
- Section 2 – InBatch Standard Security
- Section 3 – InBatch Security Using Operating System

MODULE 12 - INBATCH INTEGRATION WITH INTOUCH

- Section 1 – InBatch Data in InTouch

MODULE 13 - INBATCH INTEGRATION WITH SYSTEM PLATFORM

- Section 1 – Connecting InBatch to a Galaxy
- Section 2 – ArchestrA Security with InBatch

MODULE 14 - INBATCH GUI CONTROLS

- Section 1 – Introduction
- Section 2 – InBatch .NET GUI Controls