

Syncade™ Smart Operations Management is a group of software modules that provide easy, flexible, integrated solutions for resource management, operations optimization, integrated information, and quality and compliance requirements improving operations performance. Each software element is modular and scalable; thus enabling the user to address a specific function and then add capability as needed. By using the latest technology and adhering to standards, this solution reduces engineering, testing, and maintenance costs. Syncade supports your sustainable manufacturing practices by reducing waste and eliminating paper.

Syncade™ Overview

Course 7080/V CEUs: 1.4



Overview

This 2-day class provides an overview of the Syncade applications and their use within a Manufacturing Execution System (MES) environment. The Syncade applications handle tasks that fit between the process control system environment, such as DeltaV™, and corporate Enterprise Resource Planning (ERP) systems, such as SAP. Each module in Syncade will be covered briefly to provide the user with a basic understanding of the module, its functionality and how it fits into the overall MES functional layer. Integration methods and implementation techniques are not part of this class.

Prerequisites

None.

Topics

- Manufacturing Execution Systems (MES)
- Document Control and Authoring
- Security Basics
- Portal
- Training and Development
- Equipment Tracking
- Materials Management
- Inventory Management
- Recipe Authoring
- Order Management
- Weigh and Dispense

Virtual Training Available, Call to Schedule.

Syncade™ Document Control and Archiving

Course 7081/V CEUs: 2.1



Overview

This 3-day class provides the user with the necessary skills to set up, configure and maintain the DCA module in Syncade. Students will be taught repository setup and administration settings, how to add documents to a user configured repository structure using manual or automated techniques, manually move documents through the promotion model as well as editing existing documents and making them available to the production cycle.

Users will configure and use the Change Request feature within DCA to move documents through the promotion model. Change request types and workflows will be created and users assigned to the roles in the steps to automate the document promotion process.

Document packages will also be taught in this class. Users will create package classes that will be used to create a print package for a production run.

Prerequisites

None.

Topics

- DCA Overview
- DCA User Interface
- Repository Creation, Configuration and Use
- Document Types
- Configured Properties
- Creating Document Properties
- Adding Documents – Manual / Autoloader
- Document Life Cycle
- Document Change Control
- Change Request User Interface
- Change Request Life Cycle
- Change Request Types
- Change Request Workflows
- Creating Change Requests
- Review and Approval Processes
- Document Packages Overview
- Packages User Interface
- Package Classes

Virtual Training Available, Call to Schedule.

Syncade™ Training and Development

Course 7082/V CEUs: .7



Overview

This 1-day class will provide the user with the necessary skills to configure the Training and Development module to successfully ensure the workforce is up to date with job related skill sets. Users will configure the tasks and skill sets necessary for an individual to complete a job function as well as maintain those skills over time. Users will configure an organizational structure that will be used to define departments and positions and assign skills to those positions that will set the requirements for a person holding that position. Courses will be created that will teach the tasks required to fill a position in the organization.

Users will also schedule classes and learn how to enroll themselves and others using the training and requirement planners in the TD module.

Users will also be taught how to set up the notification processes within the Syncade administration menus.

Prerequisites

None.

Topics

- TD Overview
- Defining the Organizational Structure
- Creating Tasks
- Creating Skills and Assigning Tasks
- Certification Methods
- Setting Up Training Classes
- Creating Job Requirements
- Integrating TD with Other Syncade Modules
- Maintaining Necessary Job Related Skills
- Administration Notification Processes

Virtual Training Available, Call to Schedule.

Syncade™ Equipment Tracking

Course 7083/V
CEUs: 1.4



Overview

This 2-day class will provide the user with the necessary skills to create, configure and maintain equipment used in the production process. Users will configure equipment classes and equipment that will provide a solution for managing equipment use, maintenance and calibration information. Events will be set up on the equipment class that define actions that can be performed, or need to be performed, on equipment created from the equipment class. Rules and groups will be configured to assist in implementing controls on equipment and when certain events need to occur. Schedules will be created to set up periodic preventive maintenance and work orders will be created to cover the unscheduled activities that may be needed to fully utilize production equipment.

Prerequisites

None.

Topics

- ET Overview
- Create Equipment Classes
- Define Calibration Targets
- Add Custom Properties
- Create Events and Event State Matrix
- Create Rules and Groups
- Material and Labor with Events
- Event Scheduling
- Create Equipment
- Integrating Documents and Skills
- Performing Events
- Work Orders

Virtual Training Available, Call to Schedule.

Syncade™ Materials, Inventory and Order Management

Course 7084/V CEUs: 2.1



Overview

This 3-day class will provide the user with the necessary skills to create and manage all types of materials as they flow into, through and out of the production environment during order execution. Users will create material masters to define the material characteristics, create inventory, create and execute orders, allocate materials, create material samples, track lots and containers and perform weigh and dispense activities.

Prerequisites

None.

Topics

- Material/Inventory Management Overview
- OM Overview
- Material Masters
- Material Properties
- Quality Statuses
- Order Creation and Execution
- Material Allocations
- Weigh and Dispense
- Trusted Dispensing
- Sampling
- Purchasing and Receiving
- Lot and Container Actions
- Physical Inventory
- Genealogy
- Inventory Adjustments

Virtual Training Available, Call to Schedule.

Syncade™ Recipe Authoring

Course 7095/V CEUs: 2.1



Overview

This 3-day class will provide the user with the necessary skills to configure version 4 recipes for Syncade execution. Users will learn to configure manual recipes, DeltaV recipes and recipes that integrate the Syncade and DeltaV into a complete cohesive batch record.

Prerequisites

None.

Topics

- Recipe Authoring (RA) Overview
- RA Application
- Manual and Automation Recipe Hierarchy
- Work Instructions and Parameter Types
- Operations, Unit Procedures and Procedure Creation
- RA Simulator
- Process Segments
- Master Recipes
- Order Execution
- Parameter Referral and Deferral
- Reference Groups
- Formula Creation/Selection
- Behaviors
- DeltaV Recipes
- Integrated Type 2 and 3 Recipes

Note: Detailed application classes available to customers that have purchased Syncade.

Virtual Training Available, Call to Schedule.

For Syncade training information please refer to the appropriate contact on page 118.
For regional training center contacts refer to pages 116-117.
Visit: www.emersonprocess.com/education for current dates, locations and enrollments.