

RS3™ RS3 distributed control system training is formatted for individuals to progress at their own pace. Courses are designed to give engineers, operators, and/or technicians the information they will need to configure, operate, and troubleshoot RS3 systems in continuous or batch operations.



Introduction to RS3

Curriculum 3100 CEUs: 3.5

Overview This curriculum provides a starting point for all engineers, technicians and other personnel who will configure, install, or maintain any part of a RS3 Distributed Control System. It may meet all the needs of those configuring control systems for continuous processes requiring nothing more complex than cascade or ratio control, simple interlocks or motor controls. For others, 3100 modules serve as prerequisites for modules in the 3200, 3500 or 3600 curricula. This curriculum can provide a basic understanding of RS3 for managers and others whose success depends on the system but who will not work with it directly.

Prerequisites

With the retirement of the RS3 product line in 2013, these courses can only be assured to customers with a Sustain Support Agreement. A Sustain Support Agreement can be customized to meet your needs for future support-taking into consideration your onsite resources and schedule for modernization. Please contact your local office to learn more about Sustain Support.

Modules

- 3100-1 Developing Basic Operating Skills Using the RS3 MTCC Console
- 3100-2 System Hardware and Architecture
- 3100-3 Configuring Basic Control Loops
- 3100-4 Configuring Trends, Reports, Alarms/ Console Configuration- RS3 MTCC Console
- 3100-5 Configuring Logic Functions/Displays
- 3100-6 Configuring Process Graphic Displays Using the RS3 MTCC Console
- 3100-7 Configuring Cascade/Ratio Loops

Time Required 1 week

RS3 Hardware and Maintenance

Curriculum 3200 CEUs: 3.5

Overview The 3200 curriculum is designed for technicians and engineers who are responsible for installing, starting up, or maintaining a RS3 installation. Students entering this curriculum should have a general electronics background, and should know how to use electronics test equipment such as a multimeter & current source.

Prerequisites 3100: modules 1, 2, 3 & 4 With the retirement of the RS3 product line in 2013, these courses can only be assured to customers with a Sustain Support Agreement. A Sustain Support Agreement can be customized to meet your needs for future support-taking into consideration your onsite resources and schedule for modernization. Please contact your local office to learn more about Sustain Support.

Modules

- 3200-10 RS3 Hardware Overview
- 3200-20 Power Supplies/Power Distribution
- 3200-70 The PeerWay
- 3200-30 Console Electronics
- 3200-31 CRT Displays
- 3200-32 Multitube Command Consoles
- 3200-40 Control Files -Coordinator Processor IV
- 3200-53 Overview of the I/O Subsystem
- 3200-50 Analog I/O Hardware
- 3200-51 Discrete I/O Hardware
- 3200-52 Contact I/O Hardware
- 3200-54 Low-Level Input Multiplexer
- 3200-56 PLC Interface
- 3200-57 Multipoint Analog Input/Output

Time Required 1 week

RS3 Advanced Configuration

Curriculum 3500 CEUs: 2.1

Overview

Advanced Control Block configuration training for those whose needs go beyond cascade or ratio control and straightforward Interlock logic.

Prerequisite

Curriculum 3100 Introduction to RS3

Modules

- 3500-1 Introduction and Overview
- 3500-2 Configuring Control Blocks for High Level Orchestration
- 3500-3 Optimizing Complex Logic Functions
- 3500-4 Optimizing Block Data Transfer

Time Required

3 Days

Sustain Support - RS3

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For RS3 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.