

COURSE NO. S311V

SD Series – Hardware Configuration

On-line course



About this course

This course utilizes the same courseware that was previously only available with an in-center classroom enrollment. It features a learning platform custom built by ABB University courseware developers, designed expressly to meet the needs of industrial automation users. The in-center class requires a student to attend five days of training, plus travel time. By taking the on-line course, a student can remain on site, at home and save on travel costs. This course includes a virtual cabinet application that enables the student to have some interaction with the SD I/O hardware.



24-7-365 Availability

Access courseware anytime, from anywhere, when it's most convenient for you.



Lifetime Access

This course and all your personal notes will remain available to you for life.



2 Weeks Virtual Machine

Access to cloud based virtual machine loaded with ABB controller and system software.

This course is for you if:

You are system and application engineers, responsible for commissioning and maintenance personnel, service engineers and system integrators.

Enroll at:

mylearning-americas.abb.com

The main topics that will be covered in this course:

- Symphony Plus Harmony Architecture
- Symphony Plus Communication
- Symphony Plus Harmony Controllers
- Symphony Plus Engineering Projects
- Symphony Plus I/O Modules
- Symphony Plus I/O Modules Configuration
- Symphony Plus Profibus
- Symphony Plus Fiber Optic
- Online Configuration

Or contact us:

Tel: 1 800 HELP 365, option 2, option 4

Email: abbuniversity@us.abb.com

You'll walk away with

01

An understanding of the SD Series architecture and Configuration.

02

The ability to utilize SPlus engineering to configure SD series Controllers, to setup SD network communications modules, to configure SD I/O modules, to perform the Online configuration procedure and to update SD module firmware.

03

Experience with SPlus Engineering Projects, selecting appropriate I/O drawing based on field connection requirements, experience with SD I/O module function codes settings and with Profibus and Fiber-Optic network setups.

Prerequisites

Students shall have a basic knowledge of process control fundamentals. They should also have a basic understanding of Microsoft Windows operating systems.

Your success team

The learning platform includes a chat feature and user forum that allows you to send questions and comments to a learning facilitator and other students. Connect with fellow students to build a support network and collaborate with others.

Course Objectives

Upon completion of this course you will be able to:

- Recognize the Symphony Plus architecture and the function of the different components
- Establish Symphony Plus Communications
- Set Up Symphony Plus Controllers
- Establish Profibus Communications
- Flash Firmware to Symphony Plus Hardware
- Establish Fiber Optic Communications
- Configure Symphony Plus I/O Modules
- Create a Control Engineering Project
- Utilize basic Function Codes
- Perform On-Line Configuration

SD Series Virtual Cabinet

The SD Series Virtual Cabinet is an interactive tool to be used for exhibitions and fairs, customer engagements, and sales training. The demo highlights the capabilities and functions of the SD Series Control and I/O portfolio. Symphony Plus® SD Series is a green, field-proven portfolio of completely scalable control and I/O products that works across entire control landscape regardless of application type, size, or physical location.