

COURSE NO. T321V

# System 800xA Configuration for Harmony Connect

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. A virtual machine with ABB controller simulation and system application software is provided for practice and completion of course labs. 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.



### 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](https://mylearning-americas.abb.com)

## The main topics that will be covered in this course:

- System 800xA architecture for Harmony
- Harmony Connect aspect system creation
- Plant explorer introduction
- Controller communication and database integration
- Graphic displays
- Faceplates
- Alarm and events
- Historical data collection
- Trends
- Workplace configuration
- Security
- Back-up and restore
- Time synchronization

Or contact us:

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

Email: [abbuniversity@us.abb.com](mailto:abbuniversity@us.abb.com)

## You'll walk away with

### 01

An understanding of the System 800xA for Harmony Connect architecture.

### 02

The ability to configure graphic displays, trend displays, alarm and event pages, modify faceplates, assign historical tag collection, and configure user security settings and harmony aspect creation.

### 03

Experience with 800xA Harmony connect navigational features such as workplace navigational options, faceplate and trend display navigational options, alarm and event page navigational options.

#### Prerequisites

Students should have attended either the M202 Composer Automation Architect or S312 Symphony Plus Harmony Advanced Engineering course or have knowledge and experience associated with the content of the courses.

#### 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:

- Plan an appropriate architecture for System 800xA with Harmony Connect
- Create the Harmony Connect Aspect system
- Navigate in the system and create new objects/aspects
- Configure and troubleshoot the communication between System 800xA and Harmony controllers
- Configure and modify PG2 graphic displays and graphic elements
- Configure PG2 faceplates
- Configure alarm and events
- Configure historical data collection and trend displays
- Create and customize a workplace
- Configure user accounts and describe how access rights work
- Back-up and restore system configuration
- Configure time synchronization on a Harmony Connect system

## The key to maximum knowledge acquisition is hands-on practice.

ABB University on-line courses feature a virtual machine, hosted on ABB cloud servers. This virtual machine is loaded with the appropriate ABB controller simulation and system application software necessary to complete the on-line course labs, running on top of the Microsoft Windows operating system. This virtual machine is a safe way to practice knowledge learned from the on-line course without disruption to a working production system.