

COURSE NO. T305V

System 800xA - Administration & Installation

On-line course

About this course

This is a blended learning class delivery consisting of a virtual classroom with a live instructor, on-line courseware, and chapter labs. The first two days of the class will have live instructor-led web sessions with lab exercises and the remaining days will be self-paced lab exercises with live Q&A meetings. Virtual machines with ABB controller simulation and system application software are accessed from ABB virtual training servers for practice and completion of course labs. The student can ask the instructor questions throughout the course via chat box or scheduled class meetings. The student will need an internet connection that can access ABB servers without firewall blocking the connection. Audio mic and two monitors are strongly recommended to view instructor's lecture and course materials simultaneously. By taking the on-line course, students save on travel costs and do not have to travel to an ABB training facility.



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 a system and application engineer, commissioning and maintenance personnel, service engineers or system integrators working on an 800xA System.

Enroll at:

mylearning-americas.abb.com

Or contact us:

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

Email: abbuniversity@us.abb.com

The main topics that will be covered in this course:

- System architecture
- System planning
- Network setup
- PC & Network monitoring (IT assets)
- OPC communication
- 800xA security
- Operator Workplace restrictions
- Audit trail
- Server redundancy
- Time synchronization
- Backup / restore
- Domain setup
- System installation
- Diagnostics / Preventative maintenance

You'll walk away with

01

An understanding of 800xA System architecture, Windows users and the link to System 800xA and 800xA and windows update process.

02

The ability to Setup, Install and configure an 800xA system from the ground up.

03

Experience with Domains, Group Policy and 800xA Configuration.

Prerequisites

Students should have attended at least one of the following: T314, T314v, T315C&H, T315H, T315Hv, or have knowledge and experience associated with the content of these courses.

Class Duration

5 days: This course format resembles an in-center class but meets virtually. Class is held online the first two days of the course for approximately 8 hours each day starting at the course scheduled time. The next three days will have live Q&A sessions scheduled. Following the week-long class, students will have an additional week to experiment on the virtual system.

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.

Course Objectives

Upon completion of this course the participants will be able to:

- Plan a complete system architecture
- Design and setup a redundant automation network
- Configure IT assets
- Create Windows users and configure the link to System 800xA
- Configure access rights on Windows and 800xA level with group policies, roles and permissions
- Lock down an Operator Workplace
- Setup audit trail functionality
- Configure and maintain redundant servers
- Set up clock synchronization to AC 800M
- Backup and restore complete 800xA systems
- Configure Windows Domains / Workgroups
- Install and license the System 800xA software
- Collect diagnostic log files

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.