

ABB UNIVERSITY COURSE DESCRIPTION

# T310

# System 800xA Operation



The goal of this course is to learn how to operate and navigate in the Industrial IT Extended Automation System 800xA.

## Course type and methods

This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab.

# **Student Profile**

This training is targeted to operators.

# **Prerequisites**

Students shall know the fundamentals of working with Control Systems and have basic knowledge of Windows Server2012 R2 Standard and networking technologies.

#### **Course objectives**

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

- Explain the System 800xA architecture and the function of the different components
- Navigate in a standard Operator Workplace by using Aspect Objects technology
- Read and interpret information from different process displays
- Create operator notes
- Monitor and control standard process objects such as motors, valves and PID loops through faceplates

- Interpret information on interlocks
- Handle alarm and event lists
- Acknowledge alarms
- Describe the principles of historical data logging
- Operate trend displays and interpret the information
- Monitor and control sequences based on Sequence Function Charts
- View and print reports
- Log in as different users
- Use some basic system monitoring tools

#### Main topics

- Course introduction
- Introduction to System 800xA
- Operator Workplace
- Navigation
- Process control
- Basic control objects
- Alarm and events
- Trending

#### Duration

The duration is 2 days

#### **Course Outline**

# Day 1

## Day 2

- Course overview
- Introduction to System 800xA
- Operator Workplace
- Navigation
- Process control
- Basic control objects
- Alarm and events
- Trending
- System Monitoring

ABB University
BU Process Control Platform

abb.com/controlsystems abb.com/abbuniversity 800xA is a registered or pending trademark of ABB. All rights to other trademarks reside with their respective

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB AG does not accept any responsibility for any errors or incomplete information in this document.

We reserve all rights to this document and the items and images it contains. The reproduction, disclosure to third parties or the use of the content of this document — including parts thereof — are prohibited without ABB's prior written permission