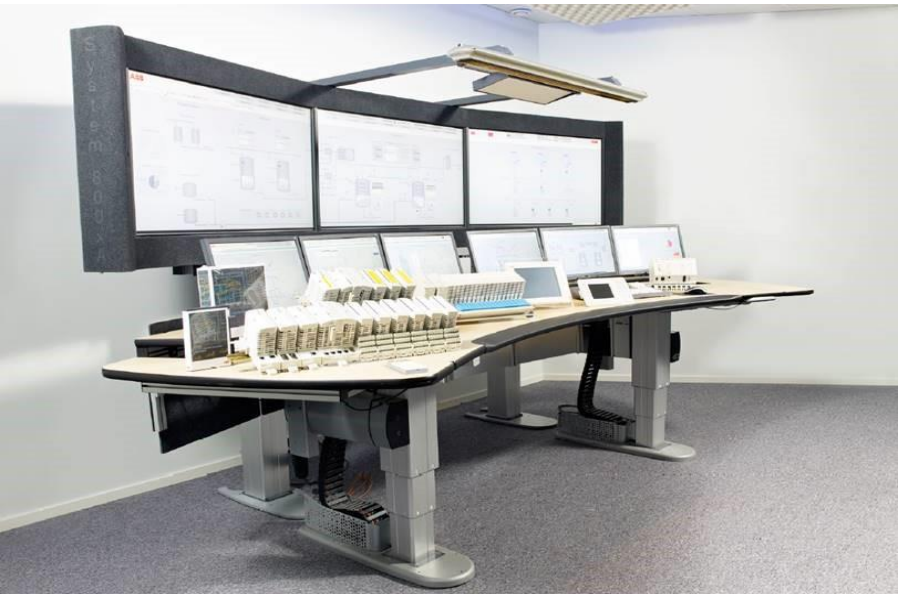
ABB UNIVERSITY COURSE DESCRIPTION

SE116 - Online

System 800xA with AC 800M Introduction



The purpose of the course is to give the participants an introduction to System 800xA.

Course type
Online course with theoretical presentations, product demonstrations and question/answer sessions.

Participant profile
This course is directed to everyone who needs an introduction to System 800xA.

Prerequisites
Students should have basic knowledge of Microsoft Windows operating system.

Duration
3 days.

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

- Describe the System 800xA architecture with respect to networks, servers, clients etc.
- Navigate in the operator environment
- Control process objects by using faceplates (dialogs)
- Handle process alarms
- Handle trend displays
- Navigate in a control project
- Describe the structure of a control project with respect to libraries, applications and controllers
- Make changes in an existing control project
- Create a new control project
- Configure the controller (AC 800M) hardware
- Add libraries
- Create simple program code with function block diagrams (FBD) and structured text (ST)
- Create simple process graphics

Topics

- System 800xA Architecture
- Operator Workplace
- AC 800M Hardware
- IP Address and Firmware
- Control Builder Overview
- Plant Explorer Workplace
- Project Framework
- AC 800M Hardware Configuration
- Libraries
- Variables and Data Types
- Function Block Diagram
- Structured Text
- Graphic Displays

Course schedule		
Day 1	Day 2	Day 3
Course Overview System 800xA architecture Operator Workplace	AC800M hardware IP-adress & Firmware Control Builder M overview Plant Explorer overview Project Framework	AC 800M hardware Libraries Variables Function Block Diagram Structured text

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