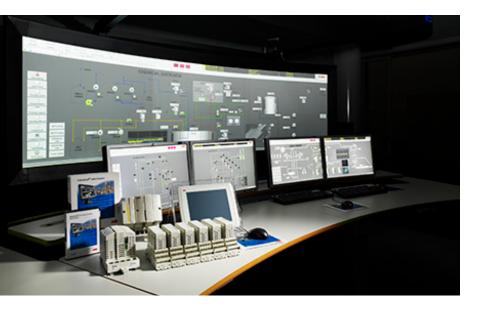


## ABB UNIVERSITY COURSE DESCRIPTION

# **T305** System 800xA - Administration & Installation



Learn how to install and administer an Extended Automation System 800xA. Plan a complete system architecture from top to bottom with hands-on lab activities.

## Course type and methods

This is an instructor led workshop with short presentations and demonstrations, extended exercises, hands on sessions and discussion. Approximately 50% of the course is hands-on lab.

## **Student Profile**

This training is targeted to system engineers, administrators and system integrators.

## Prerequisites

Students should have attended either the Basic Configuration course T314 or one of the Engineering courses - T315C&H or T315F&H, or have knowledge and experience associated with the content of these courses. In addition, they should have attended the basic Microsoft courses for Windows Server or have equivalent experience.

## **Course objectives**

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

- Plan a complete system architecture and state the system limits
- 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

## Main topics

- 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

## Duration

The duration is 5 days

#### **Course Outline**

Day 1	Day 2	Day 3	Day 4	Day 5
Course overview	OPC communication	Audit trail	<ul> <li>Backup/restore</li> </ul>	<ul> <li>System installation</li> </ul>
<ul> <li>System architecture</li> </ul>	<ul> <li>800xA security</li> </ul>	<ul> <li>Server redundancy</li> </ul>	<ul> <li>Domain setup</li> </ul>	<ul> <li>Diagnostics</li> </ul>
<ul> <li>System planning</li> </ul>	Operator Workplace	<ul> <li>Time synchronization</li> </ul>	<ul> <li>System installation</li> </ul>	Preventative maintenance
<ul> <li>Network setup</li> </ul>	restrictions	<ul> <li>Backup/restore</li> </ul>		
PC & Network monitoring				

• (IT assets)

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