

## CURRICULUM DESCRIPTION

# ACS800 Training

## Authorized Startup

### Tuition

Value: \$3,400

Tuition is at no cost to Channel Partners. See "[Training Class Cancellation Policy](#)" for details.

### Description

The Authorized Startup training provides the student with comprehensive instruction in the installation, wiring, and commissioning of LV Drives. The curriculum combines on-line, instructor-led training, and hands-on lab exercises.

The Authorized Startup training program for the ACS800 drives focuses on commissioning for wall mount and enclosure installation of drives up to 600HP. The program includes commissioning practices for standard analog controlled installation and installations utilizing fieldbus communications.

### Training Type and Duration

This program is offered as a combo video-led on-line instruction and classroom Instructor-led hands-on lab exercises (0.75) day. Students will complete online modules before attending the classroom training.

### Student Profile

This training program is intended for ABB authorized channel partners with experience working with and installing LV Drives. The students of an Authorized Startup program would typically be responsible for installation and technical services related to maintaining LV Drives.

### Prerequisites

- Experience working with power electrical equipment and voltage levels of up to 690Vac
- Basic understanding of LV AC Drives
- Understanding of basic motor control
- Understanding of LV AC Drive operation
- Product operational knowledge of the ACS800
- Completed product overview training program for the ACS800
- Familiar with product commissioning PC tools

### Learning Objectives

Upon successful completion of this program, students will obtain the following:

- Apply basic safe work practices for installation and commissioning of LV Drives
- Understand the risks associated with LV Drives
- Complete understanding of the installation requirements for a LV AC Drive
- Apply best wiring practices for LV Drives
- Commission an ACS800 including fieldbus communications
- Perform basic commissioning fault diagnostics and quickly correct installation issues on site

### Authorized Startup Program

The Authorized Startup program provides channel partner's trained technicians with the knowledge and capability to Startup LV Drives. The Authorized technician can perform and verify the drive is installed and configured properly for service in the application. Once the drive is commissioned and Authorized, the product's warranty is enhanced per the supplemental warranty document.

Channel Partner advantages:

- Additional customer engagement
- Extended installed life of drive product
- Customer satisfaction
- Differentiation from box mover or web purchase
- Authorized Startup is a component of life cycle management

Customer benefits:

- Properly installed and commissioning drive
- Enhanced warranty per the supplemental warranty document
- Extended life of drive product
- Increased production and process up time

### Student Materials

Student will receive upon completion of the instructor-led class:

- Student binder with all training materials
- The Basic Guide to Installing an AC Drive
- The Basic Guide to Commissioning the ACS800

## Agenda

Day 1
<b>8:00 a.m. – 3:15 p.m.</b> <ul style="list-style-type: none"><li>• Program Introduction</li><li>• Programming eLearning Video Review</li><li>• Analog Startup Lab</li><li>• Basic Startup and Software Lab</li><li>• Authorized Startup Review</li><li>• (Optional) H/O/A and PID Lab</li></ul>