

ACS580 Training

Installation & Commissioning

Tuition Fee

\$3,400 per student

Description

The Installation & Commissioning 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 Installation & Commissioning training program for the ACS580 drives focuses on commissioning for wall mount and enclosure installation of drives up to 700HP. The program includes commissioning practices for standard analog controlled installation and installations utilizing fieldbus communications.

Goals

To provide students with the necessary information, tools and training to be able to assess a LV Drive installation, to configure the drive, tune the drive, and perform complete commissioning services.

Training Type and Duration

This program is offered as a combination eLearning, video led on-line instruction and classroom Instructor-led hands-on lab exercises - 2 days. Students will complete online modules before attending the classroom training.

Student Profile

This program is intended for customers and end-users with experience working with and installing LV Drives. Students of this program would be responsible for installation and technical services related to maintaining LV Drives.

Prerequisites

Participants must have:

- Experience working with power electrical equipment and voltage levels of up to 690Vac
- Basic understanding of LV AC Drives
- Understand basic motor control
- Understand LV AC Drive operation
- Product operational knowledge of the ACS580
- Completed product overview training program for the ACS580

Installation & Commissioning Program

The Installation & Commissioning program provides customers, end-users, and trained technicians with the knowledge and capability to Startup LV Drives. The technician can perform and guarantee that the drive is installed and configured properly for service in the application.

Customer benefits:

- Properly installed and commissioned drive
- Customer satisfaction
- Installation & Commissioning is a component of life cycle management
- Extended life of drive product
- Increased production and process up time

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
- Understand the installation requirements for a LV AC Drive
- Apply best wiring practices for LV Drives
- Commission an ACS580 including fieldbus communications
- Perform basic commissioning fault diagnostics and quickly correct installation issues on site

Each student will receive upon completion of the program:

- Student Manual with all training materials
- The Basic Guide to Installing an AC Drive

Agenda

eLearning	Classroom	Classroom
<p>Pre-Requisites</p> <ul style="list-style-type: none"> • Qualification for Power Equipment – (US0010t) • Lock-Out-Tag-Out-Confirmation – (9CSC000688t) • LV_Drive_Safety-Presentation – (US1008e) • LV_Drive_Safety-Presentation Video – (US1008v) • ACS580 Product Introduction – (9CSC012844w) 	<p>Day 1</p> <p>8:00 a.m. ~ 5:00 p.m.</p> <ul style="list-style-type: none"> • Welcome and Introductions • Website familiarization - https://new.abb.com/drives/segments/water-and-wastewater • ACX580 Installation-Mechanical (Wall-Mount) • ACX580 Installation-Electrical (Wall-Mount & Cabinets) • Commissioning using Primary Settings • PPE & LOTO Review & Lab Exercise Preview • ACS580 Basic Wiring / Power-up Lab Exercise • ACX580 Before & After Applying Pwr (Commissioning) • ACX580 Review - Assign Homework (Common Parameters) 	<p>Day 2</p> <p>8:00 a.m. ~ 5:00 p.m.</p> <ul style="list-style-type: none"> • ACS580 Review / Open Quiz (Common Parameters) • ACS580 Basic Start-up Lab Exercise - Power Applied • ACX580 Connectivity • ACx580 Tech Support Issues • Installation Start-up Review • ProceduresQ&A Session - Wrap-up • Class Evaluations

Note: Students will have access to ABB provided Laptops with software and tools used in the training at no additional cost. Students who wish to use their own PC's for training are required to purchase, install, and test the current software versions prior to attending a classroom training event. ABB will not troubleshoot student owned PC's.

