



Curriculum Description

Automation Products Training HMI Drive Faceplates Training

Tuition Fee

Tuition is \$0 for authorized Channel Partners.

Tuition is \$0 for non-Channel Partners.

Description

This program is designed to introduce students to the CP6XX HMI line while educating them on the new Faceplate (2020) image software for HMI's which is designed to reduce programming HMI commissioning.

Goals

The goal of the program is to be introduced to the new CP600 HMI range and to demonstrate the simplicity of using a drive faceplate by downloading and configuring an ACXX80 Faceplate image on an HMI and using it to control the drive.

Training Type and Duration

This program is approximately 2 hours online course modules, followed by 3 hours of live remote Instructor Led Training, which is approximately 60% hands-on lab exercises.

Student Profile

It is intended for ABB authorized channel partners, OEM's, technical support professionals, application engineers, technicians, system integrators, and end users who are responsible for installing, servicing or maintaining applications with CP6XX HMI's.

Training locations and scheduling

This Live Remote Training Program is offered by our training facility in New Berlin, WI. Please visit the Drives, PLC and Motion Training Schedule for a list of upcoming classes.

<https://new.abb.com/service/abb-university/united-states/drives/us-training/calendar/calendar-ind>

Prerequisites

Students should have prior knowledge and ability to wire up and use ABB LV Drives, and have some experience with both drives and using a touchscreen HMI.

Learning Objectives

For successful completion of this program, students will:

- Identify different models of CP6XX series HMI Panels.
- Configure panel communication protocols in Drive Composer.
- Modify Modbus parameter settings on the CP6XX, drives, and other devices to establish proper communication between them.
- Configure a static IP connection between the HMI, PC, and the drive.
- Retrieve a Faceplate Image Project.
- Download Faceplate Image Project to the HMI.
- Navigate through Basic faceplate features.
- Start/Stop and frequency reference an ACXX80 drive using the Faceplate image.
- Customize drive I/O's using the Faceplate image.
- Configure basic look and feel of Faceplate image.
- Configure security options and user permissions.

Student Materials

Prior to the start of this training program, each student will receive a student manual that includes all practice lab exercises.

Agenda

Classroom

8:00 a.m. ~ 10:00 a.m.

- Training Welcome and Introduction
- CP600 Overview
- CP600 HMI Drive Faceplates
- CP600 HMI Connection to ACS380 via Modbus RTU Lab – Preview
- CP600 HMI Connection to ACS380 via Modbus RTU Lab
- CP600 HMI Connection to ACS380 via Modbus RTU Lab – Review

Note: Students will have access to ABB provided Laptops with software and tools used in the training at no additional cost. ABB will not troubleshoot student owned PC's.

