



Curriculum Description

W&WW Application Specialist

Tuition Fee

Tuition is \$0 for authorized Channel Partners.
Tuition is \$0 for non-Channel Partners.

Description

This Program is designed to provide students with the technical expertise to support and promote sales of ABB LV Drives. The W&WW Application Specialist level of training focuses on machinery, pump/fan, and other light industrial drive applications.

Goals

The goals of this Program are for the participants to support business growth and be the first line sales support. The W&WW Application Specialist shall support the outside sales representative. Their primary role is the technical expert in selection, use and application of automation equipment. Also, participants will support the customer in the installation, commissioning of automation product. The W&WW Application Specialist shall provide "lunch-n-learn" training classes for customers, technical sales training for sales teams, and product overview / technical training for inside support staff.

Training Type and Duration

This program is approximately 17.5 hours of Online Learning course modules and 1.5 days of Live Remote Training.

Student Profile

The student must be an employee of an ABB authorized distributor responsible for pre-sales support or technical sales of LV drives products.

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.

Prerequisites

Before enrolling in the classroom ILT, students must first complete the following:

- The ACQ580 Authorized Startup program

Learning Objectives

For successful completion of this program, students will:

The objective of this Program is to teach students the selection, packaging (solution), application, commissioning, configuration, basic troubleshooting, and first level tech support of the defined drive products.

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 principles related to application of motors, pumps and drives
- Recognize opportunities for drive sales and know what information is needed to properly size equipment for the application
- Provide recommendations and technical expertise in the selection of motors, pumps and drives for a customer's application
- Program and utilize standard software features of the drives (covered in this training)
- Perform basic fault diagnostics, trouble-shooting and on-site correction of installation issues

Student Materials

All materials are downloadable from the Learning Management System or ABB.Com. Equipment will be shipped out before the class by ABB

Agenda

Prerequisites
Title
WWW App Specialist PreReq Quiz
W&WW App Spec Pre-Assessment
The Seven Steps That Save Lives -LV
LV_Drive_Safety Presentation
Drives 101 Basic AC Drive Features
AC Motors 101
Machine Safety Standards
BestPractices-Wiring&Grounding
Arc Flash
Codes&StandardsOverview
Enclosure NEMA and IEC
Enclosure NEMA and IEC - Exam
Harmonics 101a
Harmonics 101b
Harmonics 101c
Harmonics 102a
Harmonics 102b
Harmonics 102c
ULH and Genset Coordination
AC Drive Control Methods 101
ACQ580 Safety Features
Basic Motor and Softstarter Theory
Driving the Standard
Harmonics vs EMI RFI EMC
Long Motor Cable Runs
Marketing
ACQ580-31 WWW Product Overview
Making WWW request
WWW Spec COVID Questionnaire
WWW Spec. Elec & Mech Safety
WWW Spec. PPE Confirmation
WWW Spec. Post-ILT COVID Quest

Day 1	Live Remote Training	
8:00 AM - 8:15 AM	-	8:15 AM Introduction / About This Course
8:15 AM - 9:00 AM	-	9:00 AM Intro_to_WWW_App_Spec_Tr
9:00 AM - 10:30 AM	-	10:30 AM ACQ580 Product Presentation
10:30 AM - 10:45 AM	-	10:45 AM Break
10:45 AM - 11:15 AM	-	11:15 AM Bluetooth/Drivetune
11:15 AM - 11:30 AM	-	11:30 AM DriveComposerEntryPro
11:30 AM - 12:00 PM	-	12:00 PM ACXx80 Drive Composer Intro Lab
12:00 PM - 1:00 PM	-	1:00 PM Lunch
1:00 PM - 1:30 PM	-	1:30 PM ACXx80 Drive Composer Intro Lab cont.
1:30 PM - 3:00 PM	-	3:00 PM PED2018 ACQ580 Functionalities Lab
3:00 PM - 3:15 PM	-	3:15 PM Break
3:15 PM - 3:45 PM	-	3:45 PM ACQ580_Multi_Pump_application
3:45 PM - 5:00 PM	-	5:00 PM ACQ580 Multipump hands-on

Day 2		
8:00 AM - 8:20 AM	-	8:20 AM Intro to AP_ACXx80
8:20 AM - 9:20 AM	-	9:20 AM AP Programing
9:20 AM - 9:50 AM	-	9:50 AM ACx580_Installation_Pitfalls
9:50 AM - 10:05 AM	-	10:05 AM Break
10:05 AM - 10:25 AM	-	10:25 AM Water One Line for Harmonic Analysis.pdf
10:25 AM - 11:10 AM	-	11:10 AM LAB: Harmonics Calc Tool Exercise
11:10 AM - 11:25 AM	-	11:25 AM Focus_on_Connectivity
11:25 AM - 12:25 PM	-	12:25 PM Ethernet Comms & DriveBrowser

