

# Program Description

## Automation Products Training

### AC500 PLC Product Introduction

#### Tuition Fee - \$0 per student

The tuition fee is waived (\$0) for ABB authorized channel partners and their customers.

#### US9240 – AC500 PLC Product Introduction

This program is designed as an introduction to the technical basics of the AC500 series Programmable Logic Controllers hardware and associated software. This knowledge - focused on parts, options, and tools available - will help ensure selection of the best solution for specific applications based on Communications, Inputs, Outputs, Memory Capacity, and Computational Power required. The curriculum may combine both web based learning modules and/or instructor led classroom training to maximize benefits to participants.

#### Program Goals

The goal of this program is to educate students in hardware components, catalog options, software identification, parts availability, and tools available to help select PLC products necessary to meet project specifications.

#### Program Objectives

Upon successful completion of this course, given a job specification and a parts catalog, students will:

- Determine PLC hardware, software and HMI products actively available.
- Recognize the general function, selection, and application of various hardware modules.
- Select components required to meet the application specification per end user requirements.
- Identify optional parts and accessories which may be needed.
- Discern other customer questions which must be answered to complete these selections.

#### Program Type and Duration

This program is approximately ½-day, using a combination of either eLearning or instructor-led training, including approximately 20% hands-on lab exercises.

#### Student Profile

This program is open to anyone who wants to work with the AC500 PLC. Participants are typically ABB authorized channel partners, technical support, sales professionals or end-users who are seeking introductory knowledge of this PLC product line.

#### Program Prerequisites

Participants should have familiarity with the PLC marketplace, the basic capabilities of PLC products in general and at least 1 year experience as PLC technical professionals.

#### Training class locations and scheduling

Please visit the U.S. Drives & PAC Automations Solutions Training site on [abb.com/us](http://abb.com/us) for the schedule.

#### Student Materials

Upon completion of the instructor-led course, each student will receive:

- A student manual with all training materials including practice labs.
- An electronic copy of the current PLC product catalog.

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#### Course Agenda (classroom)

Instructor Led option	eLearning option
8:00 a.m. – 12:00 p.m. <ul style="list-style-type: none"><li>• Introduction and Welcome</li><li>• US1252p_AC500 PLC Product Fundamentals</li><li>• US1253p_AC500 Active Products – Catalog</li><li>• Lab: US8101p_AC500 PLC Component Selection</li><li>• Review - US8101p_AC500 PLC Component Selection Lab</li><li>• Course Evaluation and Summary</li></ul>	Self guided time <ul style="list-style-type: none"><li>• US1252e_AC500 PLC Product Fundamentals</li><li>• US1253e_AC500 Active Products – Catalog</li><li>• (Lab must be administered by an Instructor)</li><li>• Lab: US8101p_AC500 PLC Component Selection</li><li>• Review - US8101p_AC500 PLC Component Selection Lab</li><li>• Course Evaluation and Summary</li></ul>

