

Advanced Capabilities Course Summary

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Course Length: 2 Days

Course Purpose:

To introduce the student to Advanced Capabilities of the Logix family of Programmable Automation Controllers.

After completing this course, students will:

- Understand the advanced programming and configuration of a Logix processor
- Know how to create and implement User Defined Tags (UDT's) and Indirect addressing techniques.
- Understand the creation and use of "Add on" Instructions (AOI's)
- Know how to obtain and use processor status information.
- Understand the basics of designing and applying the three alternate programming languages available in a Logix processor: Function Block (FBD), Sequential Function Chart (SFC) and Structured Text (STX).
- Understand and apply the principles of "Premier Integration" between a Logix processor and a PowerFlex Drive products.

- Be able to use the "AutoTune" feature of the advanced Function Block instruction.
- Understand how Faceplates in FactoryTalk View are used to connect with and tune a PID loop.
- Understand how to install and configure Encompass Partner products in a Logix chassis.

Who Should Attend:

- Engineers, technicians and maintenance personnel with existing knowledge of Logic controllers and Ladder Logic who wish to know more about the advanced functionality of the Logix platform
- Engineers wanting to understand how to use the process control languages available in all Logix controllers.

Prerequisites:

- A basic working knowledge of the Logix architecture.
- Familiarity with RSLogix 5000 software and RSLinx communications software.

Difficulty Level:

- Advanced