

INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS

ATN is offering an introduction to programmable logic controllers (PLCs) and explaining the different components of a PLC system. It includes basic ladder logic instructions and how they are used and programmed. The course also shows how to configure the communication's drivers for RSLogix 500™ and RSLinx™ and teaches how to use the programming software to obtain information from the process and also from the PLC itself. It gives general guidelines on troubleshooting and maintaining a PLC system. The course emphasizes hands-on laboratory exercises using PLC trainers.

Upon completion of this course you will be able to:

- Identify a PLC system and its components
- Identify basic ladder logic instructions and their meaning
- Configure the communications drivers for RSLogix 500™ and RSLinx™
- Use the programming software to monitor input and output devices
- Understand the diagnostics information provided by the programming software
- Perform general practices for maintaining and troubleshooting a PLC system

You will learn:

- Overview of Programmable Logic Controllers (PLCs)
- Numbering Systems
- Fundamentals of Logic
- Communications
- PLC Programming
- Maintenance and Troubleshooting

The course material will be presented using the Allen-Bradley SLC 5/03 system with Rockwell Software RSLogix 500 programming software

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