

Allen Bradley Programmable Logix Controller

Program Description: A Programmable Logix Controller (PLC) Competency Certificate prepares the individual to install, maintain, and troubleshoot the Allen Bradley PLC.

Location: Northwest State Community College, Archbold, Ohio

Dates Offered:

TBD

Per Person Fee: \$3,400 (Entire Series)

How to Register: Online at

<https://register.trainwithcts.com>

or email CTS at

cts.archbold@northweststate.edu

or call Nicole Hand at 419-267-1332

Refund/Cancellation Policy: You can withdraw from any class up to 3 days before its start. No refunds are issued for no-shows, substitutions are welcome.

Want to receive \$2,000 reimbursed to you per employee you send?

Apply for TechCred:

Visit: techcred.ohio.gov

Or trainwithcts.com/techCred

Or contact **Tori Atkinson** for more information on how to do this.

ph: 419-267-1219

email: tatkinson@northweststate.edu

PLC Basics	3-Day Course
<p>Day 1</p> <ol style="list-style-type: none"> 1. ControlLogix Hardware 2. RSLinx Software 3. RSLogix / Studio 5000 Software 4. Introduction to ControlLogix Ladder Logic Programming 5. Monitoring PLC Project Files 6. PLC Logic 7. I/O Modules <p>Day 2</p> <ol style="list-style-type: none"> 1. ControlLogix Memory Layout 2. Processor Scan 3. Timing Instructions 4. Counting Instructions 5. MOV Instruction 6. Documenting a Project 	<p>Day 3</p> <ol style="list-style-type: none"> 1. On-Line Project Changes 2. Up-Loading / Saving a Project File 3. Creating Project Tags 4. Introduction to Types 5. Searching a Project File 6. Forcing I/O in a Project File
PLC Intermediate	3-Day Course
<p>Day 1</p> <ol style="list-style-type: none"> 1. PLC Numbering Systems 2. Basic Math Instructions 3. Compare Instructions 4. Move / Logical Instructions 5. Arrays 6. Sequencer Instruction 	<p>Day 2</p> <ol style="list-style-type: none"> 1. Project Organization 2. File Instructions 3. Program Control Instructions 4. First Pass Bit <p>Day 3</p> <ol style="list-style-type: none"> 1. Analog Signals 2. Analog Module's Properties Configuration, Wiring 3. Scaling Analog Signals 4. Changing Processor Firmware with ControlFlash
PLC Advanced	3-Day Course
<p>Day 1</p> <ol style="list-style-type: none"> 1. Configuring RSLinx Drivers 2. Assigning IP addresses to Computers and Communication Modules 3. Connecting To Remote Devices using Ethernet / IP <p>Day 2</p> <ol style="list-style-type: none"> 1. Connecting ControlLogix to a DeviceNet Network <ul style="list-style-type: none"> • DeviceNet Components / Wiring • Connecting to a PLC using 1756DNB Module • Using RSLinx to View DeviceNet Connects • Using RSNetwork Software to Monitor / Configure a Network 	<p>Day 3</p> <ol style="list-style-type: none"> 1. DeviceNet Continued <ul style="list-style-type: none"> • Using RSLogix 5000 to Monitor / Configure a 1756-DNB Communications Module • Mapping I/O in the 1756-DNB Module • DeviceNet Addressing • 1756-DNB Module Modes