

3 Days Intensive Training

2010 Locations

Charlotte, NC
Aug 3-5

Winston-Salem, NC
Aug 10-12

Raleigh, NC
Aug 17-19

Charleston, SC
Aug 24-26

Columbia, SC
Aug 31-Sep 2

Greenville, SC
Sep 14-16

Evansville, IN
Sep 21-23

Louisville, KY
Sep 28-30

Lexington, KY
Oct 5-7

Charleston, WV
Oct 12-14

Memphis, TN
Oct 19-21

Nashville, TN
Oct 26-28

Knoxville, TN
Nov 2-4

Chattanooga, TN
Nov 9-11

Huntsville, AL
Nov 16-18

Birmingham, AL
Nov 30-Dec 2

Montgomery, AL
Dec 7-9

Mobile, AL
Dec 14-16

★ HANDS ON ★ ★ HANDS ON ★

Programmable Logic Controllers

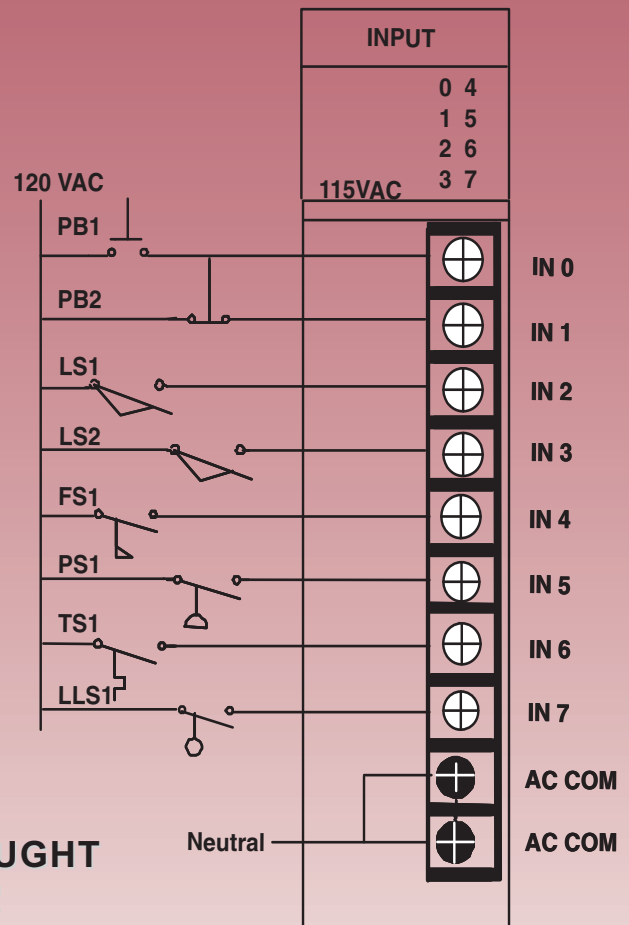
using

Allen-Bradley SLC 500™ PLC's and RSLogix 500™ Software

"I have attended lots of training classes throughout my 32 years as an electronics tech. This class tops them all."

Rudy S Gaddi - Puget Sound Naval Shipyard

28 Hands-On Labs Includes Analog I/O



THIS CLASS CAN BE TAUGHT
AT YOUR FACILITY!

* Not affiliated with Rockwell Automation



Impact
Training Services, Inc.

Training that "WORKS"™

To Register
800-858-6879
or
www.impactu.com

"I've never rated a seminar all excellent until this one. My first ever exposure and I really enjoyed it. A no-nonsense approach."

Ron Rennie - AMF Bowling Products Inc

PROGRAMMABLE LOGIC CONTROLLERS

WHO WE ARE

As a company, we are dedicated to providing practical, working solutions to the problem areas of industry. We represent no manufactures and will not subject you to any sales pitches. What we offer is quality technical training that works.

OUR INSTRUCTORS

Your instructor will be knowledgeable, enthusiastic, personable and effective. You evaluate them at the end of each class. We do not use contractors. All of our instructors are full time employees and have a vested interest in delivering a quality product. Each is well versed in the subjects they teach, has received extensive on-the-job training and follow the same course lesson plan so you receive identical information regardless of who teaches the class.

WHO SHOULD ATTEND

This class is designed for maintenance and engineering personnel, operators, supervisors and managers. There are no prerequisites for this course.

CLASS TIMES

7:30 am	Registration
8:00 am	Morning Session Begins
11:30 - 12:20 am	Lunch (on your own)
12:30 pm	Afternoon Session Begins
4:15 pm	Post evaluation (Day Three)
4:30 pm	Class Ends

SUBSTITUTION OR CANCELLATION

Cancellation made SEVEN days prior to seminar date will receive a full refund. Substitutions can be made at any time. Cancellations made less than SEVEN business days will be issued a credit memo to be used within two years. Registered attendees who fail to show up or have not given proper notice of cancellation will not receive refund or credit.

PAST CUSTOMERS

3M Touch Systems • ABB, Inc. - Abbott Diabetes Care • ABC Packaging • Advance Foods • AES • AGC Automotive • Airite • Allied Signal • Alcoa Power Generating • ARCO • AT&T • BOC Gases • BP Oil • Bridgestone Firestone • Cargill • Caterpillar • Champio International • Chevron • Chrysler • Clorox • Coca-Cola • Cooper Tire & Rubber • Dana Corp • DART • Delphi Automotive • Dow Corning • Delco Remy America • Dupont • Eaton Corp ENSR • Exxon Mobil • FedEx • Ford • Franklin Covey • Frito Lay • GAF • General Electric General Motors • Genessee Power Station • Georgia Pacific Goodyear • Halmark Cards • Hewlett Packard • Honeywell • IBM • International Paper • Johnson Controls • Kellogg • Lucent Technologies • Mobil Moody AFB • Monsanto • Nabisco • Oxy USAParckerWare • Parker Hannifin • Pepsi Cola • Perdue Farms • Pepperidge Farms • Phillip Morris Playtex Pillsbury • Pratt & Whitney • Procotr & Gamble • PSEG • Rae Construction • Ralson Purnia • RJ Reynolds • Rockwell Automation • Sara Lee • Shell Oil • Sherwin Williams • Siemes • Smurfit Stone Container Corp • Teksid Aluminum • Texas Instruments • Timken • Trammel Crow • TRW • Tyson Foods • United Technologies • US Airforce • US Army Corp of Engr • US Filter • Walt Disney • Westinghouse • Wheelabrator • Xcel Energy

COURSE OBJECTIVES

Upon successful completion, you will be able to:

- ▶ Use RSLogix500™ software to write/edit/download/monitor programs
- ▶ Troubleshoot a PLC system using the program and a voltmeter
- ▶ Demonstrate an understanding of widely used I/O modules
- ▶ Use and explain common ladder logic instructions
- ▶ Establish communications with SLC™ and MicroLogix™ controllers
- ▶ Explain how analog I/O works

You will be able to immediately apply what you have learned on the plant floor

CONTINUING EDUCATION UNITS (CEUs)

Impact Training Services, Inc. is an authorized provider of CEUs. We are accredited by The International Association of Continuing Education and Training (IACET). Upon successful completion of the course objectives, participation in all learning activities and end-of-course evaluation students will be awarded 2.1 CEU's.

TRAINING AT YOUR FACILITY

Bring this or any of our other electrical/electronic training programs to your facility.

Call (800) 858-6879

You may also visit us on the web at:

www.impactu.com

ADDITIONAL COURSES OFFERED

- Reading Electrical Controls
- Electrical Safety
- Industrial Electricity
- Troubleshooting Electrical Controls
- Programmable Logic Controllers
- ControLogix™ and RSLogix 5000™

THIS CLASS CAN BE TAUGHT AT YOUR FACILITY

"This is an excellent class. It fills in the blanks to a lot of questions I had. It is very in depth, unlike other courses that gloss over topics. I would highly recommend this class."

Wilson Rivera - Schick

28 "HANDS-ON" LABS! COURSE OUTLINE

Group size on our simulators never exceeds two persons

BEGINNINGS

INPUTS, OUTPUTS
CPU, MEMORY
SCANNING

BASIC INSTRUCTIONS

XIO, XIC, OTE
RELAY TYPE INSTRUCTIONS
TIMERS
COUNTERS

DATA FILES

INPUT, OUTPUTS
CPU, MEMORY
SCANNING

RSLOGIX 500™ BASICS

CONFIGURING SYSTEMS
WRITING PROGRAMS

RSLinx™

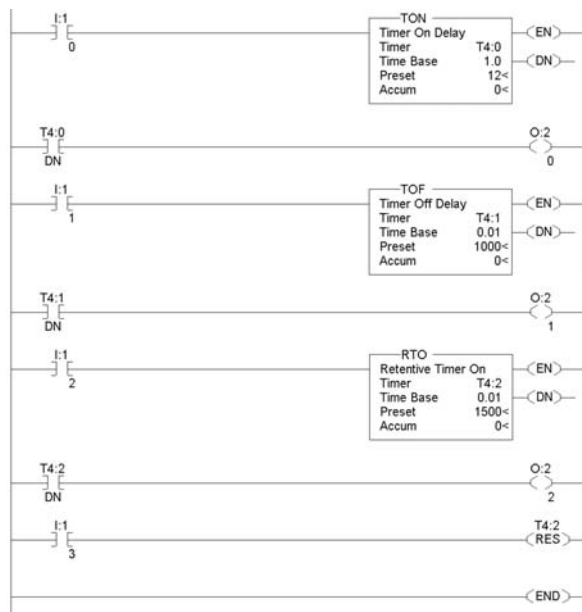
COMMUNICATIONS PARAMETERS
CONFIGURING DRIVERS

COMMUNICATIONS

CONNECTING VIA THE LAPTOP
DOWNLOADING, UPLOADING

PLC MODES

RUN, PROGRAM
TEST MODES, REMOTE



REGISTER/FILE INSTRUCTIONS

MOVE
SEQUENCER

ANALOG

ANALOG SIGNALS
VOLTAGE, CURRENT
INPUT/OUTPUT BOARDS
DATA HANDLING/SCALING

DC BOARDS

SOURCING /SINKING DEVICES
INTERFACING TO PLC

SUBROUTINES

PURPOSE
HOW THEY WORK
SUBROUTINE INSTRUCTIONS

TROUBLESHOOTING

USING A VOLTMETER
INPUT BOARDS
OUTPUT BOARDS
FIELD DEVICES/WIRING
CLEARING CPU FAULTS
STATUS REGISTERS

SOFTWARE TOOLS

ONLINE EDITING
FORCING I/O
SEARCH COMMANDS
DOCUMENTING PROGRAMS

And MUCH, MUCH MORE!

**LIMITED
CLASS
SIZE**

Copyright and Trademark Information

Impact Training Services, Inc (ITS) is in no way associated with "Allen-Bradley" or "Rockwell Automation" and makes no claim of ownership to any copyrighted material or trademark names including: Allen-Bradley, Rockwell Automation, RSLogix 500™, SLC 500™, MicroLogix™ RSLINX

Register Today! 800-858-6879 or www.impactu.com

**In our
15th
year!**

★ **HANDS ON** ★ ★ **HANDS ON** ★

THREE DAYS OF INTENSIVE TRAINING

PROGRAMMABLE LOGIC CONTROLLERS



Impact
Training Services, Inc.
Training that "WORKS"™
PO Box 532
Bloomfield, KY 40008

Using Allen-Bradley SLC 500™ PLC's and RSLogix 500™ Software

Mailroom: If undeliverable as addressed,
please route to your electrical maintenance or training supervisor

PRSR STD
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PAID
IMPACT
MAILING, INC.

**"HANDS-
ON"**

Get something you can actually use for your training \$\$\$

THIS CLASS CAN BE TAUGHT AT YOUR FACILITY

**"HANDS-
ON"**

FOUR WAYS TO REGISTER:

Seminar Fee:
~~\$1495~~ **\$999**

- 1) **Internet** www.impactu.com
- 2) **Fax** (502) 252-8060
- 3) **Phone** (800) 858-6879
- 4) **Mail** this form to: Impact Training Services, Inc.
PO Box 532, Bloomfield KY 40008



**IACET Approved
CEUs Available
CCR REGISTERED
CAGE CODE 4C510**

Seminar City: _____ Date: _____ Authorizing managers name: _____

Attendees: Name: _____
Name: _____
Name: _____
Name: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: () _____ Fax: () _____

Check is enclosed for \$ _____

Make Checks Payable to:
Impact Training Services, Inc.

Company P.O. # _____

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Credit Card # _____

Name on Card _____

Type of Card _____ Exp. Date ____ / ____

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Located to left of address