

2011 LOCATIONS

New Orleans, LA
Feb 8 - 10

Baton Rouge, LA
Feb 22 - 24

Jackson, MS
Mar 8 - 10

Shreveport, LA
Mar 15 - 17

Houston, TX
Mar 29 - 31

San Antonio, TX
Apr 12 - 14

Austin, TX
Apr 19 - 21

Arlington, TX
May 3 - 5

Lubbock, TX
May 10 - 12

Garland, TX
May 24 - 26

Tulsa, OK
Jun 14 - 16

Oklahoma City, OK
Jun 21 - 23

**Register
Today**

800-858-6879

★ HANDS ON ★ ★ HANDS ON ★

Programmable Logic Controllers

using

Allen-Bradley Control Logix™ PLCs
and RSLogix 5000™ Software

Learn the software and hardware basics used on the entire Logix
5000™ family of controllers:

**ControlLogix™, SoftLogix™, FlexLogix™,
CompactLogix™, DriveLogix™**

* Not Affiliated With Rockwell Automation

Hands on training using our
simulators with
ControlLogix™ controllers
and RSLogix 5000™ on
laptop computers. Group size
limited to two persons per
training station.

Three days of intensive
“Hands-On” training for
anyone wishing to
understand RSLogix 5000™
software and the Logix 5000™
family. You will be able to
immediately use what you
learn in this class!!!



“Everything I needed to know was included in this class. I highly recommend this class for anyone with ControlLogix™ or planning to purchase any Logix 5000™ family processor or software.”

-Tony Reed, Scada Systems Manager, City of Asheville, NC

THIS CLASS CAN BE TAUGHT AT YOUR FACILITY!!!

“Instructor did a very good job... This was an excellent course.”

-David Johnson - Maintenance Supervisor, Modine Manufacturing Co.



Impact
Training Services, Inc.

Training that “WORKS”™

www.impactu.com

**"A VERY WELL PLANNED & STRATEGIC METHOD OF TRAINING. I DEFINITELY HAVE A STRONGER LEVEL OF CONFIDENCE"
CHRIS ROTH-KRISPY KREME**

PROGRAMMABLE LOGIC CONTROLLERS

USING ALLEN BRADLEY CONTROLLOGIX™ PLCs and RSLogix 5000™ Software

WHO WE ARE

As a company, we are dedicated to providing practical, working solutions to the problem areas of industry. We represent no manufacturers 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 is a basic class designed for maintenance and engineering personnel, operators, supervisors and managers. There are no prerequisites for this course.

CLASS TIMES

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

REPEAT 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 • Champion 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 • Frito Lay • GAF • General Electric • General Motors • Genesee Power Station • Georgia Pacific • Goodyear Hallmark Cards • Hewlett Packard • Honeywell • IBM • International Paper • Johnson Controls • Kellogg • Lucent Technologies • Mobil • Moody AFB Monsanto • Nabisco • Oxy USA • PackerWare • Parker Hannifin • Pepsi Cola • Perdue Farms • Pepperidge Farms • Phillip Morris • Playtex • Pillsbury Pratt & Whitney • Proctor & Gamble • PSEG • REA Contracting • Ralston Purina • RJ Reynolds • Rockwell Automation • Sara Lee • Shell Oil Sherwin Williams • Siemens • Smurfit Stone • 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 of this course, students will be able to:

- ▶ Use RSLogix 5000™ software to write/edit/download/monitor projects
- ▶ Create and schedule tasks/programs/routines
- ▶ Configure I/O modules
- ▶ Create and/or use the available data types and tags
- ▶ Troubleshoot common problems using the program and search commands
- ▶ Use RSLogix 5000™ software with any Logix 5000™ hardware platform

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

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

COURSES OFFERED

- **Reading Electrical Drawings**
- **Electrical Safety – with Arc Flash**
- **Industrial Electricity**
- **Troubleshooting Electrical Controls**
- **Programmable Logic Controllers:**
Maintenance and Troubleshooting
- **Programmable Logic Controllers:**
Using Allen-Bradley SLC 500™ PLCs and RSLogix 500™ Software
- **Programmable Logic Controllers:**
Using Allen-Bradley ControlLogix™ PLCs and RSLogix 5000™ Software

* Not affiliated with Rockwell Automation

Register today!

“...VERY HELPFUL, INFORMATIVE AND ENTERTAINING. ALL TRAINING SHOULD BE LIKE THIS...”

KURT AKERMAN - DEL MONTE FOODS

Limited
Class Size

CONTROLLOGIX™ PLCs AND RSLOGIX 5000™ SOFTWARE COURSE OUTLINE

Hands-On
Throughout

THE LOGIX 5000™ FAMILY

CONTROLLOGIX™, SOFTLOGIX™, FLEXLOGIX™
DRIVELOGIX™, COMPACTLOGIX™
PRODUCER/CONSUMER MODEL
CONNECTIONS, MULTICASTING

CONTROLLOGIX™ PLATFORM

CONTROLLER - SPECIFICATIONS
32 Bit Architecture
Memory, Program & I/O Scan
Program/Fault Control of Outputs
Communications Options

INPUT/OUTPUT BOARDS

Configuring
Comm Format - Ownership
Requested Packet Interval
Electronic Keying

BACKPLANE

NETWORKING CAPABILITIES

RSLOGIX 5000™

USING & UNDERSTANDING
WHAT YOU NEED TO KNOW
CONTROLLER ORGANIZER AND OTHER WINDOWS
PROJECT AND TAG WINDOWS
SECRETS, HINTS, TIPS
CREATING PROJECTS
SAVING PROJECTS
UPLOADING/DOWNLOADING

DATA TYPES

ATOMIC TYPES
BOOL, SINT, INT, DINT, REAL
STRUCTURED DATA TYPES
Module Defined, Pre-defined
User Defined, Strings
DEFINING & CREATING USER DEFINED DATA TYPES

BUFFERING DATA

INPUT BUFFERING
OUTPUT BUFFERING
MAIN ROUTINE

TAGS

BASE, ALIAS, PRODUCED, CONSUMED
TAG SCOPE - CONTROLLER, PROGRAM
I/O TAGS
CREATING/EDITING TAGS
MANIPULATING THE EDIT/MONITOR TAGS WINDOWS
LOOKING AT DATA
TAG ARRAYS

BASIC INSTRUCTIONS

BIT INSTRUCTIONS
XIC, XIO, OTE, OTU, OTL
TIMER/COUNTER/INSTRUCTIONS
TON, TOF, CTU, CTD, RES
PROGRAM EXECUTION RULES AND DIFFERENCES

TASKS, PROGRAMS, ROUTINES

TASKS
Continuous, Periodic, Event
Creating/Editing/Deleting
Assigning Priorities
PROGRAMS
Creating/Editing/Deleting
Scheduling
ROUTINES
Main, Fault, Subroutines
Ladder Logic, Function Block, Others
Creating/Editing/Deleting

TROUBLESHOOTING & MAINTENANCE

FORCING I/O
In The Program
In The Tag Window
TOGGLING BITS
ONLINE EDITING
Changing, Inserting, Deleting-Rungs
DOCUMENTATION
SEARCH COMMANDS
TROUBLESHOOTING THE CONTROLLER
Using a Voltmeter
Using the Module Indicator Lights
Using the Program
Testing I/O points

Copyright and Trademark Information

Impact Training Services, Inc. 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 5000™, ControlLogix™, SoftLogix™, FlexLogix™, CompactLogix™, DriveLogix™, RSLinx™, SLC 500™, RSLogix 500™

(800) 858-6879 or www.impactu.com

**In our
15th
year!**

★ **HANDS ON** ★ ★ **HANDS ON** ★
THREE DAYS OF INTENSIVE TRAINING

PROGRAMMABLE LOGIC CONTROLLERS



Using Allen-Bradley ControlLogix™ PLCs AND RSLogix 5000™ Software

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

PRSR STD
 U.S. POSTAGE
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”**

Seminar Fee:
\$1249
per person

FOUR WAYS TO REGISTER:

- 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

**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. # _____

Attention: _____

Credit Card # _____

Name on Card _____

Type of Card _____ Exp. Date ____ / ____

VIP Code _____

Located to left of address