

2010 COURSE DESCRIPTIONS & SCHEDULE



Basic PLC Training

The purpose of the Basic PLC Training Course is to introduce an individual to the basic concepts of the Omron PLC using a mixture of lectures and hands on labs. This course is designed for those with little or no prior PLC experience. The topics covered are; the history of the Omron PLCs, wiring to the PLC, I/O addressing, basic functions of an Omron PLC (SCAN), the design, entering and debugging of a basic ladder logic program, CX-Programmer software, on-line editing and basic trouble shooting techniques. The hardware used in the class will be the Omron CJ1M PLC. The 2 day course will run from 9am till 4pm each day. A good understanding of the Windows operating system will be assumed. A Laptop computer with CX-Programmer V8.0 installed is required.

Advanced PLC Training

The purpose of the Advanced PLC Training Course is to introduce an individual to the more advanced concepts of a PLC using a mixture of lectures and hands on labs. The topics that are covered in the Advanced PLC training course are as follows: BCD, DEC, HEX and Binary conversions, PLC instructions including MOV, ++B, --B, CMP, >, <, SFT, DIFU, KEEP, SET, RSET, +B, -B, +BL, SCL and indirect addressing. The hardware used in the class will be the Omron CJ1M PLC. The 2 day course will run from 9am till 4pm each day. You must have a good understanding of the Windows operating system and the CX-Programmer software. A Laptop computer with CX-Programmer V8.0 installed is required.

Course #	Description	Dates
13100	Basic PLC	Mar 10th & 11th
J3240	GProEx Basics	Mar 24th
K4070	GProEx Intermediate	April 7th
L4210	ProServerEx	April 21st
M5050	GProEx Logic	May 5th
26020	Advanced PLC	Jun 2nd & 3rd
J6230	GProEx Basics	Jun 23rd
K7070	GProEx Intermediate	Jul 7th
L7210	ProServerEx	July 21st
M8040	GProEx Logic	Aug 4th
19150	Basic PLC	Sep 15th & 16th
JA130	GProEx Basics	Oct 13th
KA270	GProEx Intermediate	Oct 27th
LB100	ProServerEx	Nov 10th
MB240	GProEx Logic	Nov 24th
2C010	Advanced PLC	Dec 1st & 2nd

Check our website for latest updates.

www.lakewoodautomation.com

Billing and Cancellation Policy

Lakewood Automation reserves the right to cancel or change training dates and will not be held liable for any expenses, loss of income, or inconvenience caused.

All PLC classes will be invoiced or cancelled 7 days before the class begins. If you need to cancel, it must be done before this date. All No Charge classes will be billed \$200 for a no show or cancelling within 48 hours of the class. If you attend the class there will be no charge.

G P P r o E x B a s i c s

is to introduce an individual to Proface's GProEx HMI software. This course is designed for those with no prior experience with GProEx. The topics covered are; Pushbuttons, Lights, Text, Time Display, Graphs, Switches, Changing screens, Data displays and Entries. A good understanding of the Windows operating system will be assumed. A Laptop computer with the latest version of GProEx installed is required. 9am till 2pm.

G P P r o E x I n t e r m e d i a t e

is to expand upon the topics from GProEx Basics and covers: Alarms, Passwords, Recipes, Sampling, Trending. You must have a good understanding of the Windows operating system and GProEx Basics. A Laptop computer with the latest version of GProEx installed is required. 9am till 2pm.

P r o S e r v e r E x

is to introduce an individual to Proface's ProServerEx Data Management software. This hands on class will cover the following topics: How ProServerEx Works, Configure Nodes, Symbols, Monitor Live Data, Triggering Actions, DDE link to Excel, Create an Excel Report. You must have a good understanding of the Windows operating system and the GProEX Software. A Laptop computer with the latest GProEx and ProServerEx is required. 9am till 3pm.

G P P r o E x L o g i c

is to introduce an individual to GProEx internal logic. This course is designed for those with basic experience using GProEx. The topics covered are; Ladder Logic, Symbol Variables, configuring I/O. You must have a good understanding of the Windows operating system and GProEx Basics. A Laptop computer with the latest version of GProEx installed is required. 9am till 2pm.



Sign up Form

Description	Course #	Cost
Basic PLC		\$550
Advanced PLC		\$550
GProEx Basics		\$0
GProEx Intermediate		\$0
ProServerEx		\$0
GProEx Logic		\$0

Total to be billed _____

Attendees _____

Company _____

Address _____

Phone _____

Method of Payment

- P.O. # _____
- American Express
- Visa
- MasterCard
- Check



Credit Card # _____ Exp. date _____

Signature _____

TO REGISTER, VISIT US AT
WWW.LAKEWOODAUTOMATION.COM,
CALL, FAX OR MAIL THIS FORM TO
ALAN WATSON

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2010 TRAINING SCHEDULE



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