

Training Schedule 2010

Part 1 (January to March)

Sign up today for these valuable technical training courses presented by Horizon Solutions and Rockwell Automation.

To sign up for any of these classes

1 Contact Bev Papp (with Horizon Solutions)
Phone (800) 334-7557
Email BPapp@hs-e.com
or...

2 Register Online
www.hs-e.com/Training
Use the "Register Now" links

All training classes are to be held at Horizon Solutions' Holyoke Training Facility:
701 Kelly Way
Holyoke, MA 01040

Except **SAF-SFT106**, which will be held at Horizon Solutions' Albany Training Facility:
4 Access Road
Albany, NY 12205

If you have questions, contact your local Horizon Solutions representative.

Albany, NY (518) 452-6904
Holyoke, MA (413) 533-3933
Manchester, NH (603) 669-5060

HORIZON
Solutions

Rockwell
Automation



**Register today!
Seats are limited!**



Course Code	Course Description	Location	Start Date	End Date	Length	Tuition
CCP146	RSLogix5000 Level 1 ControlLogix System Fundamentals	Holyoke	1/27	1/28	2 days	\$1,095.00
MFG244	Manufacturing Basics of Electricity	Holyoke	1/29	1/29	1 day	\$730.00
CCA101	AC/DC Motors and Drives Fundamentals	Holyoke	2/9	2/10	2 days	\$1,095.00
SAF-SFT106	ARC Flash Awareness (NFPA 70E)	Albany	2/16	2/16	1 day	\$730.00
CCP172	ControlNet and RSNetWorx Maintenance and Troubleshooting	Holyoke	3/1	3/2	2 days	\$1,460.00
CCP178	EtherNet/IP Design and Troubleshooting	Holyoke	3/3	3/5	3 days	\$1,460.00
CCPM44	MicroLogix1400 Processors (2 Day)	Holyoke	3/9	3/10	2 days	\$1,825.00
CCP299	ControlLogix Fundamentals and Troubleshooting	Holyoke	3/22	3/26	4-1/2 days	\$2,190.00

2010 Training Summary

Part1 (January - March). Please note: Additional classes may be added throughout the year. Please contact your local Horizon Solutions representative for more detail regarding specific classes.

Albany, NY

(518) 452-6904

Holyoke, MA

(413) 533-3933

Manchester, NH

(603) 669-5060

January

Su	M	Tu	W	Th	F	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

February

Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

March

Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

April

Su	M	Tu	W	Th	F	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

May

Su	M	Tu	W	Th	F	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

June

Su	M	Tu	W	Th	F	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

In 2010 Horizon Solutions will be offering a variety of technical courses in partnership with Rockwell Automation. These courses range from introductory to advanced, and cover interesting topics such as programming, networking, and safety. The dates of these courses are highlighted on the calendar to the left. Remember: the best products and systems are useless unless you and your people possess the knowledge to use them effectively.

January 27-28 **CCP146 RSLogix5000 Level 1 ControlLogix System Fundamentals**

This 2-day course will help students develop and build a solid foundation of knowledge of ControlLogix and other Logix5000 systems. The only prerequisite for CCP146 is the ability to perform basic Microsoft Windows tasks. This course provides great hands-on practice, and students will create and modify their own projects!

January 29 **MFGF244 Manufacturing Basics of Electricity**

This course provides basic electricity knowledge to the novice. Basic electricity theory is explored identifying component operations in energized and de-energized states. The course includes safety fundamentals and safe operation awareness. Perfect for new employees!

February 9-10 **CCA101 AC/DC Motors and Drives Fundamentals**

This 2-day course will develop students' skills and understanding of AC and DC motors and drives, and prepares students for other more advanced technical courses. During this course, students will gain the hands-on skills required to build a miniature DC motor, investigate how variable speed drives control attached motors, and increase familiarity with HIM (human interface module) and programming. At the completion of this course, students will have the necessary fundamental knowledge and skills required to attend other Rockwell Automation AC and DC drives courses.

February 16 **SAF-SFT106 Arc Flash Awareness (NFPA 70E)**

*Note: this course will be held at Horizon Solutions' Albany Training Facility. This critical safety course will provide an overall understanding and review of NFPA 70E codes for electrical safety in the workplace. Specific topics covered include: Calculating flash protection boundary, NFPA 70E. Standards on PPE and Safe Electrical Practices. A great way to increase safety awareness and compliance at your facility!

March 1-2 **CCP172 ControlNet and RSNetWorx Maintenance and Troubleshooting**

Intended for individuals who are responsible for maintaining an existing ControlNet and RSNetWorx network. This course develops skills to efficiently and effectively troubleshoot hardware and software, and highlights best practices for how to identify problems with communication cards, cabling, configuration errors and other network structure. Students will gain knowledge and experience they can immediately apply to their responsibilities.

March 3-5 **CCP178 EtherNet/IP Design and Troubleshooting**

This 3-day course is intended for Individuals responsible for designing and configuring a new EtherNet/IP network or modifying and troubleshooting an existing EtherNet/IP network. Students will gain practical, hands-on experience with application requirements, cable system design, assigning IP and gateway addresses and subnet masks, configuring controllers and Ethernet Switches, and many more helpful real-world tasks. This course will prepare students to manage both the bandwidth requirements for a project and multiple connections on the network to successfully design and configure an efficient EtherNet/IP (Industrial Protocol) network.

March 9-10 **CCPM44 MicroLogix1400 Processors (2 Day)**

*Note: this is the 2-day version of the MicroLogix1400 Processors course. This advanced 2-day course deals with processor installation, data monitoring, and embedded web servers. The cost of this course includes a MicroLogix1400 processor kit, allowing students practice installation, programming and monitoring data on their own processor. The kit includes a MicroLogix 1400 processor, a memory module, a power cable, an Ethernet cable, a serial cable, and a din rail. This kit is for students to keep and take home for additional practice after these courses. CCPM44 delivers a great combination of classroom instruction and hands-on practice to help students achieve a high level of awareness and appreciation.

March 22-26 **CCP299 ControlLogix Fundamentals and Troubleshooting**

This 4-1/2 day course is intended for individuals who need to maintain and troubleshoot a ControlLogix or other Logix5000 system – but have no current working experience with Logix5000 systems. It is extremely in-depth, and covers all topics related to ControlLogix and other Logix5000 systems (i.e., CompactLogix, FlexLogix, DriveLogix, and SoftLogix), upon completion, students will have a solid foundation and fundamental knowledge of these systems.

Is meaningful training and education as important to you and your company as it is to Horizon Solutions? If so, please be aware that Horizon Solutions and Rockwell Automation can offer additional resources to enhance your training programs

Personal Trainer

A **Personal Trainer** is an experienced instructor and technical expert who develops and implements an individualized training plan for one to two individuals on-site at your facility. A perfect solution for in-depth technical knowledge or to mentor new employees.

Training Advisor

This online assessment tool helps you to recommend and manage a training plan for your work force. **Training Advisor** will help to identify current knowledge levels and skill gaps to prioritize training needs, eliminating unnecessary expenses and justifying training costs.

Training Voucher Account

If you want to add flexibility and value to your training program, a voucher account may be the right choice. Consolidating your company's yearly training with a **Training Voucher Account** provides a single purchase point and cost savings of up to 20%. Training Vouchers are redeemable for up to one year and can be applied to a wide variety of training courses, products, services, and more.

Talk to your local Horizon Solutions representative for more information about these additional resources that can help your training program succeed!

HORIZON SOLUTIONS

Knowledge in Supply