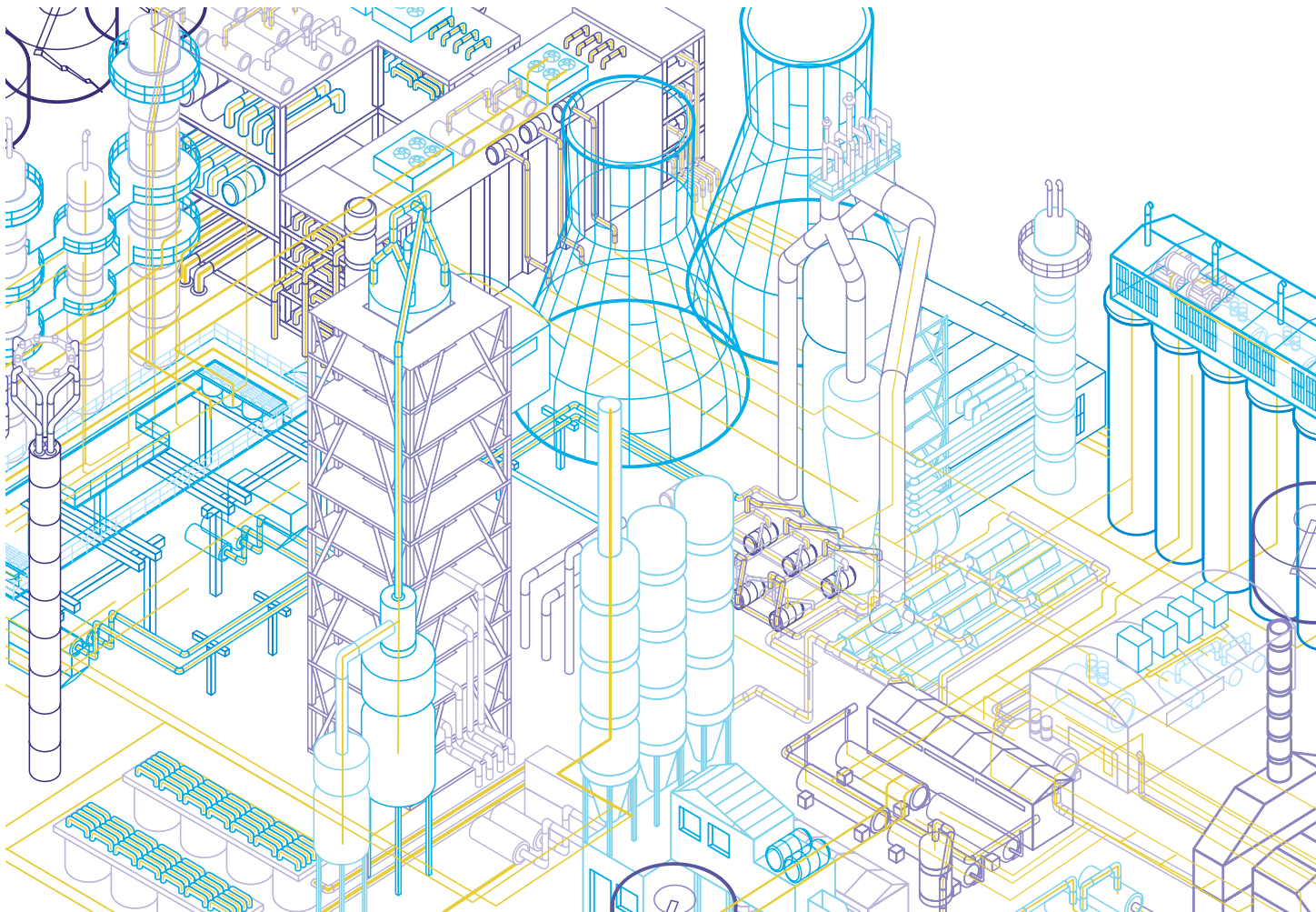


March 2014

ABB University

Process automation training schedule

This schedule includes courses for Control Systems, Quality Control Systems, Analyzers, and Drives.



Locations

Atlanta, Georgia (Automation)

Georgia Northwestern Technical College
466 Brock Road
Building D, Room 134
Rockmart GA 30153
Tel: (800) HELP-365 option 2, option 4
Fax: (919) 666-1388

Columbus, Ohio

Columbus Training Center
579 Executive Campus Dr.
Westerville, OH 43082
Tel: (614) 818-6300
(800) HELP-365 option 2, option 4
Fax: (919) 666-1388

Warminster, Pennsylvania

Warminster Training Center
125 E. County Line Road
Warminster, PA 18974
Tel: (800) HELP-365 option 2, option 4
Fax: (919) 666-1388

Cleveland, Ohio

29801 Euclid Avenue
Wickliffe, OH 44092
Tel: (440) 585-8500
(800) HELP-365 option 2, option 4
Fax: (919) 666-1388

Houston, Texas (Automation)

Houston Training Center
3700 W Sam Houston Parkway S
Suite 600
Houston, TX 77042
Tel: (713) 587-8000
(800) HELP-365 option 2, option 4
Fax: (919) 666-1388

Power and productivity
for a better world™



ABB University March 2014 – July 2014

	Course Number	Starts	Days	Price \$	March 3 10 17 24 31	April 7 14 21 28	May 5 12 19 26	June 2 9 16 23 30	July 7 14 21 28
March 2014 - December 2014									
AcuRay QCS Systems									
ABB Smart Color Measurement **	C140	Mon	3	1,884			C		
ABB 1190 Color Control **	C145	Thur	2	1,256			C		
Smart Platform with QCS LAN	C232	Mon	10	6,280			C C		C C
*Smart Platform to Network Platform Transition	C234	Mon	4	2,512					C C
*Maintaining Network Platform with QCS LAN	C235	Mon	10	6,280				C C	
Maintaining Industrial IT QCS with AC800M Controllers	C302	Mon	5	3,140	C				
*Advanced QCS 800xA Concepts	C306	Mon	5	3,140			C		
Sensor Correlation Class - NEW!	C311	Mon	5	3,140		C			C
Advanced Sensor Operation & Troubleshooting I - NEW!	C313	Mon	5	3,140		C			
QCS Optical Caliper Sensor Maintenance	C317	Mon	4	2,512		C			
Radiological Training for Industrial General Licensees **	C903	**	2	1,256					
Advant Open Control System with Master Software									
Advant Controller 400 and Advant Stat 500 OS Maintenance II	A240	Mon	5	3,140			C		
Advant Controller 400 with S800 I/O and MP 200 Config & Op	A331	Mon	5	3,140					
Advant Station 500 OS Configuration & Operation	A351	**	5	3,140					
Advant Open Control System with MOD 300 Software									
Accelerated Advant MOD Engineering and Taylor Control Language (TCL)	B407	Mon	10	6,280					H H
Configuring the MOD300 Database Using Windows 2000	B425	Mon	5	3,140				H	
System 800xA for MOD300 Configuration	T324	Mon	5	3,140				H	
Analytics									
Vista II 2000 Gas Chromatograph Training	NA400	Tue	4	2,512			H		
VistaNET System User Training	NA405	Mon	4	2,512			H		
PGC5000 Gas Chromatograph Training	NA408	Mon	4	2,512					
3401/3402 and 3501/3502 Multiwave Photometer	NA415	Mon	2	1,256					
Advance Optima CGA	NA425	Tue	3	1,884		H			H
Multi-FID CGA **	NA430	**	2	1,256					
Drives									
DCS 600 MultiDrive Operation and Maintenance	US034	Mon	5	3,140					
ACS800 Customer Multidrive	US187	Mon	4	2,512		W		W	
DCS 800 MultiDrive Operation and Maintenance	US616	Mon	4	2,512					
Control Builder, Process Panel, Drives Integration with AC800M Controllers	US802	Mon	5	3,140		W		W	
Instrumentation and Control Theory									
QCS Machine-Direction Control	C103	Mon	5	3,140		C			
QCS Machine-Direction Transition Control	C105	Mon	5	3,140		C			
QCS Cross-Direction Control	C107	Mon	5	3,140		C			
Z200 Configuring and Tuning Basic Control Loops	Z200	Mon	5	3,140	C				
OptimizeIT Tuning and Analysis Tool MD/CD Utilization	Z121	**	5	3,140					
Industrial IT - Process Portal B									
Process Portal B Configuration Part 1 - 2014 Last Offering	T670	Mon	5	3,140		A			
Process Portal B Configuration Part 2 - 2014 Last Offering	T671	Mon	5	3,140		A			
Process Portal B Installation and Database - 2014 Last Offering	T672	Mon	5	3,140					
Industrial IT Extended Automation System 800xA									
System 800xA Administration and Installation	T305	Mon	5	3,140	W			W	
System 800xA Information Manager	T306	Mon	5	3,140		C			
800xA Batch Management Engineering and Operation	T307	Mon	5	3,140	W				
800xA with AC800M Hardware Maint and Troubleshooting	T308	Mon	5	3,140		H		W	
System 800xA Safety - AC 800M High Integrity Config & Maint	T309	Mon	4	2,700	H			H	
System 800xA Basic Configuration	T314	Mon	5	3,140	C			C	
System 800xA Engineering Using Control Builder	T315C&H	Mon	10	6,280		H H	W W	C C	W W
System 800xA Engineering Using Function Designer	T315F&H	Mon	10	6,280			H H		
System 800xA for Master Configuration	T320	Mon	5	3,140			C		
System 800xA for Harmony Configuration	T321	Mon	5	3,140	W			A	
System 800xA for MOD300 Configuration	T324	Mon	5	3,140				H	
System 800xA for DCI System Six Configuration **	T325	Mon	5	3,140					P
System 800xA PGIM Technical Training	US922	Mon	5	3,140				A	
System 800xA OPC Interfacing	US940	Mon	5	3,140				W	
Computer Technologies									
Microsoft Windows 7 and Server 2008 for System 800xA	NA920	Mon	5	3,140					W
Microsoft TCP/IP for System 800xA	NA921	Mon	5	3,140					W
Microsoft Active Directory using Server 2008 for System 800xA	NA922	Mon	5	3,140					W
Microsoft Networking Update to Windows 7 and Server 2008	NA923	Mon	5	3,140					
Cyber Security Services: Patch Mgmt, Antivirus, & Disaster Recovery NEW!	US925	Mon	5	3,140	W		W		
Industrial IT Expert Workshops									
Virtualization of 800xA Server Nodes	E111	Mon	5	3,225				W	
800xA Designing & Engineering Batch Applications	E122	Mon	5	3,225					
800xA with AC800M Improving Engineering Efficiency	E124	Mon	5	3,225					
800xA Troubleshooting Core System	E143	Mon	5	3,225		W		W	
800xA Operator Workplace - Adv Dsgn and Grph Config	E171	Mon	5	3,225					
INFI 90/Symphony Open Control System									
Harmony Rack I/O with Composer	M111	Mon	5	3,140		A	W	A	W
Composer Engineering Software Tools	M202	Mon	5	3,140		A	W	W	W
Conductor NT Engineering - 2014 Last Offering	M203	Mon	9	5,652			W W		
Harmony Control Unit - S800 I/O with Composer	M211	Mon	5	3,140				A	
Symphony Plus Hardware	S311	Mon	5	3,140					
S+ Operations Console	S321	Mon	5	3,140	W		W		W
Power and Grounding for Distributed Control Systems	M301	Mon	5	3,140		W			
Inf90 Batch 90 Language	M302	Mon	4	2,512		W			
Foreign Device Interfaces for Harmony Systems	US932	Mon	5	3,140					W
Harmony Configuration Strategies	M304	Mon	5	3,140				W	
System Six Control System									
DCI System Six Standard Controlware II Configuration	M401	Mon	5	3,140					P
DCI System Six Hardware Maint w/ Conductor NT Ovrw **	M403	**	5	3,140					
DCI System Six Composer CTK	M406	Mon	4	2,512					P
System 800xA for DCI System Six Configuration **	T325	**	5	3,140					P

*New **Offered on request

A: Atlanta, GA C: Columbus, OH H: Houston, TX N: New Berlin, WI P: Warminster, PA W: Wickliffe, OH X: West Coast

ABB University August 2014 – December 2014

March 2014 - December 2014	Course Number	Starts	Days	Price \$	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29
AccuRay QCS Systems																										
ABB Smart Color Measurement **	C140	Mon	3	1,884													C									
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ABB Training Passport program

Unlimited in-center training; one low price

Issues we typically see:

- Limited training budget
- High cost of training for new employees
- Unclear training needs for individuals
- End-of-year training budget underutilized

Solution:

Twelve months of unlimited in-center training courses* for one low price.

\$7,700 per employee
per 12-month period

12 month period starts on first day of first class or 60 days from purchase, whichever comes first.

Watch the savings add up

Weeks of Training	List Price (USD)	Training Passport Program (USD)	Savings
1	\$3,140	\$7,700	
2	\$6,280	\$7,700	
3	\$9,420	\$7,700	18%
4	\$12,560	\$7,700	39%
5	\$15,700	\$7,700	51%

Substantial savings for multiple courses

Situations arise when multiple courses are needed to provide adequate training. In these situations, Training Passport provides the best value. Courses are available for:

- Process Control Systems
- Process analyzers
- Quality Control Systems for paper applications
- Instrumentation and control theory
- Drives

Recommendations from ABB University

ABB University provides recommendations, and identifies curriculum to satisfy training requirements for these situations:

- Newly hired employees
- New systems or system upgrades
- Employees with new/additional job functions
- Effectively utilizing remaining end-of-year training budget
- And others

Additional services

Each Training Passport includes the benefit of the following services, which provide assistance with managing and reinforcing knowledge gained from the program.

- **Electronic refresher courseware material:** Electronic documentation for completed Passport courseware.
- **Training Needs Analysis:** review of employee, job function, and shift information, cross-referenced to ABB University transcript reports for each employee, to determine knowledge gaps and provide course recommendations.
- **Quarterly Activity Log:** provides transcript reports to log progress of each employee enrolled in the program.

To enroll in the Training Passport program

Provide the information below, for each student, and an ABB University representative will contact you to complete the process.

Company Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Student: _____ Telephone: _____ Supervisor: _____

Contact us

Call: 1 800 HELP 365, option 2, option 4

Fax: 919 666 1388

Or use your Mobile phone to send a picture of the enrollment information to abbuniversity@us.abb.com

*This program only applies to in-center, ABB University US training classes. Other discounts or agreements cannot be combined. The Training Passport is not available for courses related to Expert Workshops, Robotics, TotalFlow, SCADA, Standard Drives, Ventyx, Turbines or classes delivered outside of the USA.

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