



ABB UNIVERSITY, U.S.

Industrial Automation Training Schedule 2017 - 2018

START DATE	COURSE NAME	LOCATION	AVAILABLE SEATS	LIST PRICE (USD)
800XA SYSTEMS				
10/16/2017	E122 - System 800xA - Designing & Engineering Batch Applications	Cleveland, OH	10	\$3,300.00
10/16/2017	T315C&H - System 800xA Engineering with Control Builder	Columbus, OH	Sold Out	\$6,600.00
11/06/2017	T308 - System 800xA with AC800M Hardware Maintenance and Troubleshooting	Columbus, OH	4	\$3,300.00
12/4/2017	T315C&H - System 800xA Engineering with Control Builder	Houston, TX	9	\$6,600.00
12/11/2017	T305 - System 800xA Administration and Installation	Columbus, OH	8	\$3,300.00
1/8/2018	T315F&H - System 800xA Engineering with Function Designer	Columbus, OH	10	\$6,600.00
1/22/2018	T324 - 800xA with MOD Connect	Houston, TX	10	\$3,300.00
1/29/2018	T315C&H - System 800xA Engineering with Control Builder	Houston, TX	10	\$6,600.00
2/5/2018	T307 - 800xA Batch Management Engineering and Operations	Cleveland, OH	10	\$3,500.00
2/5/2018	US950 - Virtualization of ABB Systems	Columbus, OH	10	\$3,300.00
2/19/2018	T318 - System 800xA History Configuration	Columbus, OH	10	\$3,300.00
2/26/2018	US940 - System 800xA OPC Interfacing	Cleveland, OH	12	\$3,500.00
3/5/2018	T305 - System 800xA Administration and Installation (v5.1)	Columbus, OH	10	\$3,300.00
3/12/2018	T309 - 800xA Safety with AC800M High Integrity Configuration & Maintenance	Columbus, OH	4	\$3,800.00
3/12/2018	T320 - 800xA with Advant Master Connect	Columbus, OH	10	\$3,300.00
3/19/2018	T315C&H - System 800xA Engineering with Control Builder	Columbus, OH	10	\$6,600.00
3/19/2018	T321 - 800xA with Harmony Connect	Cleveland, OH	10	\$3,300.00
4/9/2018	T314 - 800xA Basic Configuration	Columbus, OH	10	\$3,300.00
4/30/2018	T305 - System 800xA Administration and Installation (v6.0)	Columbus, OH	10	\$3,300.00
5/7/2018	T308 - 800xA Hardware Maintenance & Troubleshooting	Cleveland, OH	10	\$3,300.00
5/14/2018	T315C&H - System 800xA Engineering with Control Builder	Sulphur, LA	10	\$6,600.00
5/14/2018	T315F&H - System 800xA Engineering with Function Designer	Cleveland, OH	10	\$6,600.00



6/18/2018	T320 - 800xA with Advant Master Connect	Columbus, OH	10	\$3,300.00
6/18/2018	US950 - Virtualization of ABB Systems	Columbus, OH	10	\$3,300.00
7/16/2018	T315C&H - System 800xA Engineering with Control Builder	Columbus, OH	10	\$6,600.00
7/30/2018	T318 - System 800xA History Configuration	Columbus, OH	10	\$3,300.00
7/30/2018	T321 - 800xA with Harmony Connect	Cleveland, OH	10	\$3,300.00
8/6/2018	T308 - 800xA Hardware Maintenance & Troubleshooting	Columbus, OH	10	\$3,300.00
8/20/2018	T309 - 800xA Safety with AC800M High Integrity Configuration & Maintenance	Columbus, OH	4	\$3,800.00
9/10/2018	T315C&H - System 800xA Engineering with Control Builder	Houston, TX	10	\$6,600.00
9/10/2018	US950 - Virtualization of ABB Systems	Columbus, OH	10	\$3,300.00
9/17/2018	T314 - 800xA Basic Configuration	Columbus, OH	10	\$3,300.00
10/1/2018	T305 - System 800xA Administration and Installation (v6.0)	Columbus, OH	10	\$3,300.00
10/8/2018	T315F&H - System 800xA Engineering with Function Designer	Houston, TX	10	\$6,600.00
10/22/2018	T320 - 800xA with Advant Master Connect	Columbus, OH	10	\$3,300.00
10/29/2018	T324 - 800xA with MOD Connect	Houston, TX	10	\$3,300.00
11/12/2018	T308 - 800xA Hardware Maintenance & Troubleshooting	Houston, TX	10	\$3,300.00
12/3/2018	T315C&H - System 800xA Engineering with Control Builder	Columbus, OH	10	\$6,600.00

ANALYTICS SYSTEMS

10/10/2017	Z401 - PGC2000 Gas Chromatograph	Houston, TX (Analytics)	Sold Out	\$1,900.00
10/30/2017	Z403 - PGC5000 Gas Chromatograph Certification	Houston, TX (Analytics)	Sold Out	\$2,600.00
11/14/2017	Z407 - CEMS CGA	Houston, TX (Analytics)	8	\$1,900.00
12/05/2017	Z400 - PGC5000 Gas Chromatograph	Houston, TX (Analytics)	2	\$1,900.00
1/9/2018	Z400 - PGC5000 Gas Chromatograph	Houston, TX (Analytics)	6	\$1,900.00
1/23/2018	Z404 IR and UV Photometers	Houston, TX (Analytics)	8	\$1,200.00
2/6/2018	Z400 - PGC5000 Gas Chromatograph	Houston, TX (Analytics)	6	\$1,900.00
2/19/2018	Z403 - PGC5000 International Gas Chromatograph Certification	Houston, TX (Analytics)	6	\$2,600.00
3/6/2018	Z400 - PGC5000 Gas Chromatograph	Houston, TX (Analytics)	6	\$1,900.00
3/20/2018	Z407 - CEMS CGA	Houston, TX (Analytics)	8	\$1,900.00



4/3/2018	Z405 - RVP 4500	Houston, TX (Analytics)	6	\$1,200.00
4/10/2018	Z401 - PGC2000 Gas Chromatograph	Houston, TX (Analytics)	8	\$1,900.00
4/24/2018	Z408 - VistaSTAR / Operation	Houston, TX (Analytics)	8	\$1,900.00
5/1/2018	Z407 - CEMS CGA	Houston, TX (Analytics)	8	\$1,900.00
5/8/2018	Z400 - PGC5000 Gas Chromatograph	Houston, TX (Analytics)	6	\$1,900.00
5/21/2018	Z403 - PGC5000 International Gas Chromatograph Certification	Houston, TX (Analytics)	6	\$2,600.00
6/5/2018	Z404 IR and UV Photometers	Houston, TX (Analytics)	8	\$1,200.00
6/19/2018	Z400 - PGC5000 Gas Chromatograph	Houston, TX (Analytics)	6	\$1,900.00
7/10/2018	Z407 - CEMS CGA	Houston, TX (Analytics)	8	\$1,900.00
7/24/2018	Z400 - PGC5000 Gas Chromatograph	Houston, TX (Analytics)	6	\$1,900.00
8/6/2018	Z403 - PGC5000 International Gas Chromatograph Certification	Houston, TX (Analytics)	6	\$2,600.00
8/21/2018	Z404 IR and UV Photometers	Houston, TX (Analytics)	8	\$1,200.00
8/28/2018	Z408 - VistaSTAR / Operation	Houston, TX (Analytics)	8	\$1,900.00
9/11/2018	Z400 - PGC5000 Gas Chromatograph	Houston, TX (Analytics)	6	\$1,900.00
9/25/2018	Z407 - CEMS CGA	Houston, TX (Analytics)	8	\$1,900.00
10/9/2018	Z401 - PGC2000 Gas Chromatograph	Houston, TX (Analytics)	8	\$1,900.00
10/16/2018	Z405 - RVP 4500	Houston, TX (Analytics)	6	\$1,200.00
10/29/2018	Z403 - PGC5000 International Gas Chromatograph Certification	Houston, TX (Analytics)	6	\$2,600.00
11/13/2018	Z407 - CEMS CGA	Houston, TX (Analytics)	8	\$1,900.00
12/4/2018	Z400 - PGC5000 Gas Chromatograph	Houston, TX (Analytics)	6	\$1,900.00

CYBER SECURITY AND NETWORKING

10/23/2017	US925 - Cyber Security Services - Patch Management, Antivirus, and Disaster Recovery	Cleveland, OH	6	\$3,500.00
3/12/2018	NA939 – TCP/IP Networking Fundamentals and Troubleshooting	Cleveland, OH	12	\$3,500.00
3/19/2018	NA940 - Microsoft Windows Theory with Hands-On	Cleveland, OH	12	\$3,500.00



4/16/2018	US925 - Cyber Security Services - Patch Management, Antivirus, and Disaster Recovery	Cleveland, OH	12	\$3,500.00
8/13/2018	US925 - Cyber Security Services - Patch Management, Antivirus, and Disaster Recovery	Cleveland, OH	12	\$3,500.00

HARMONY SYSTEMS

10/30/2017	M111 - Harmony Rack I/O with Composer	Atlanta, GA	4	\$3,300.00
11/06/2017	M202 - Composer Engineering Software Tools	Atlanta, GA	8	\$3,300.00
12/04/2017	M111 - Harmony Rack I/O with Composer	Atlanta, GA	Sold Out	\$3,300.00
12/05/2017	M304 - Harmony Configuration Strategies	Cleveland, OH	8	\$2,640.00
12/11/2017	M202 - Composer Engineering Software Tools	Atlanta, GA	Sold Out	\$3,300.00
1/15/2018	M111 - Harmony Rack I/O with Composer	Atlanta, GA	12	\$3,300.00
1/22/2018	M202 - Composer Engineering Software Tools	Atlanta, GA	12	\$3,300.00
2/5/2018	M211 - S800 I/O for Harmony Controllers	Atlanta, GA	12	\$3,300.00
2/5/2018	M301 - Power & Grounding for Distributed Control Systems	Cleveland, OH	12	\$3,300.00
2/19/2018	M111 - Harmony Rack I/O with Composer	Cleveland, OH	12	\$3,300.00
2/26/2018	M202 - Composer Engineering Software Tools	Cleveland, OH	12	\$3,300.00
3/19/2018	T321 - 800xA with Harmony Connect	Cleveland, OH	10	\$3,300.00
4/9/2018	M111 - Harmony Rack I/O with Composer	Atlanta, GA	12	\$3,300.00
4/16/2018	M202 - Composer Engineering Software Tools	Atlanta, GA	12	\$3,300.00
4/23/2018	US932 - Foreign Device Interfaces for Harmony Systems	Cleveland, OH	12	\$3,300.00
5/7/2018	M111 - Harmony Rack I/O with Composer	Cleveland, OH	12	\$3,300.00
5/14/2018	M202 - Composer Engineering Software Tools	Cleveland, OH	12	\$3,300.00
5/22/2018	M304 - Harmony Configuration Strategies	Cleveland, OH	12	\$3,300.00
6/18/2018	M211 - S800 I/O for Harmony Controllers	Atlanta, GA	12	\$3,300.00
7/16/2018	M111 - Harmony Rack I/O with Composer	Cleveland, OH	12	\$3,300.00
7/23/2018	M202 - Composer Engineering Software Tools	Cleveland, OH	12	\$3,300.00
7/30/2018	T321 - 800xA with Harmony Connect	Cleveland, OH	10	\$3,300.00



9/10/2018	M111 - Harmony Rack I/O with Composer	Atlanta, GA	12	\$3,300.00
9/17/2018	M202 - Composer Engineering Software Tools	Atlanta, GA	12	\$3,300.00

MOD SYSTEMS

1/15/2018	B425 - Advant OCS for MOD Database Configuration	Houston, TX	8	\$3,300.00
1/22/2018	T324 - 800xA with MOD Connect	Houston, TX	10	\$3,300.00
10/22/2018	B425 - Advant OCS for MOD Database Configuration	Houston, TX	8	\$3,300.00
10/29/2018	T324 - 800xA with MOD Connect	Houston, TX	10	\$3,300.00

QCS SYSTEMS

10/30/2017	Z105v - Single Loop Control Methods - Virtual	Virtual	18	\$750.00
11/13/2017	C317 - QCS Optical Caliper Sensor Maintenance with HPIR-US	Columbus, OH	3	\$3,300.00
11/28/2017	C234 - Smart Platform to Network Platform Transition	Columbus, OH	4	\$2,640.00
12/04/2017	A331 - Advant 400/MP200 Configuration/Operation	Columbus, OH	Sold Out	\$3,500.00
2/12/2018	C235 - Network Platform with QCS LAN	Columbus, OH	6	\$6,600.00
2/27/2018	C233 - Smart Platform Software & ASPC Hardware	Columbus, OH	6	\$3,300.00
3/20/2018	C234 - Smart Platform to Network Platform Transition	Columbus, OH	6	\$2,640.00
4/9/2018	C313 - Advanced Sensors: Basis Weights, Moisture, and Caliper	Columbus, OH	6	\$3,300.00
4/9/2018	T314 - 800xA Basic Configuration	Columbus, OH	10	\$3,300.00
4/16/2018	C302 - Maintaining Industrial IT Quality Control Essentials AC800M	Columbus, OH	6	\$3,500.00
4/16/2018	C311 - QCS Sensor Correlation	Columbus, OH	6	\$3,300.00
4/23/2018	C306 - Advanced Maintenance for 800xA QCS Systems	Columbus, OH	10	\$3,500.00
4/23/2018	C317 - QCS Optical Caliper Sensor Maintenance	Columbus, OH	6	\$3,300.00
5/7/2018	Z200 - Control Loop Tuning Methods	Columbus, OH	12	\$3,300.00
5/14/2018	C103 - QCS Machine Direction Control	Columbus, OH	12	\$3,300.00
5/14/2018	C235 - Network Platform with QCS LAN	Columbus, OH	6	\$6,600.00
5/21/2018	C107 - QCS Cross Direction Control	Columbus, OH	12	\$3,300.00
6/11/2018	A331 - Advant 400/MP200 Configuration/Operation	Columbus, OH	8	\$3,300.00



6/18/2018	T320 - 800xA with Advant Master Connect	Columbus, OH	10	\$3,300.00
7/9/2018	C234 - Smart Platform to Network Platform Transition	Columbus, OH	6	\$2,640.00
8/20/2018	C233 - Smart Platform Software & ASPC Hardware	Columbus, OH	6	\$3,300.00
9/17/2018	T314 - 800xA Basic Configuration	Columbus, OH	10	\$3,300.00
9/24/2018	C302 - Maintaining Industrial IT Quality Control Essentials AC800M	Columbus, OH	6	\$3,500.00
10/1/2018	C235 - Network Platform with QCS LAN	Columbus, OH	6	\$6,600.00
10/22/2018	T320 - 800xA with Advant Master Connect	Columbus, OH	10	\$3,500.00

SYMPHONY PLUS

10/16/2017	S311 - SD Series - Hardware Configuration	Cleveland, OH	7	\$3,300.00
10/23/2017	S312 - S+ Engineering for Harmony	Cleveland, OH	2	\$3,300.00
10/30/2017	S321 - S+ Operations - Basic Configuration	Cleveland, OH	Sold Out	\$3,300.00
11/06/2017	S322 - S+ Operations - Advanced Configuration	Cleveland, OH	1	\$3,300.00
1/22/2018	S321 - S+ Operations - Basic Configuration	Cleveland, OH	12	\$3,300.00
1/29/2018	S303 - Cyber Security for Symphony Plus	Cleveland, OH	12	\$3,300.00
2/12/2018	S311 - SD Series Hardware Configuration	Cleveland, OH	12	\$3,300.00
2/21/2018	US909 - S+ Engineering Transition	Atlanta, GA	12	\$1,980.00
2/26/2018	S321 - S+ Operations - Basic Configuration	Atlanta, GA	12	\$3,300.00
3/12/2018	S312 - S+ Engineering for Harmony	Cleveland, OH	10	\$3,300.00
3/12/2018	US924 - S+ Operations History	Atlanta, GA	12	\$3,300.00
3/26/2018	S311 - SD Series Hardware Configuration	Cleveland, OH	12	\$3,300.00
4/4/2018	US909 - S+ Engineering Transition	Cleveland, OH	12	\$1,980.00
4/9/2018	S321 - S+ Operations - Basic Configuration	Cleveland, OH	12	\$3,300.00
4/30/2018	S303 - Cyber Security for Symphony Plus	Cleveland, OH	12	\$3,300.00
5/16/2018	US909 - S+ Engineering Transition	Atlanta, GA	12	\$1,980.00
5/21/2018	S321 - S+ Operations - Basic Configuration	Atlanta, GA	12	\$3,300.00
5/30/2018	US909 - S+ Engineering Transition	Cleveland, OH	12	\$1,980.00



6/4/2018	S321 - S+ Operations - Basic Configuration	Cleveland, OH	12	\$3,300.00
6/11/2018	S322 - S+ Operations - Advanced Configuration	Cleveland, OH	12	\$3,300.00
6/25/2018	S312 - S+ Engineering for Harmony	Cleveland, OH	10	\$3,300.00
7/9/2018	S311 - SD Series Hardware Configuration	Cleveland, OH	12	\$3,300.00
7/18/2018	US909 - S+ Engineering Transition	Atlanta, GA	12	\$1,980.00
7/23/2018	S321 - S+ Operations - Basic Configuration	Atlanta, GA	12	\$3,300.00
8/13/2018	S303 - Cyber Security for Symphony Plus	Cleveland, OH	12	\$3,300.00
8/13/2018	US924 - S+ Operations History	Atlanta, GA	12	\$3,300.00
8/20/2018	S322 - S+ Operations - Advanced Configuration	Cleveland, OH	12	\$3,300.00
9/12/2018	US909 - S+ Engineering Transition	Cleveland, OH	12	\$1,980.00
9/17/2018	S321 - S+ Operations - Basic Configuration	Cleveland, OH	12	\$3,300.00
10/15/2018	S312 - S+ Engineering for Harmony	Cleveland, OH	10	\$3,300.00
10/17/2018	US909 - S+ Engineering Transition	Atlanta, GA	12	\$1,980.00
10/22/2018	S321 - S+ Operations - Basic Configuration	Atlanta, GA	12	\$3,300.00
12/3/2018	S321 - S+ Operations - Basic Configuration	Cleveland, OH	12	\$3,300.00

DRIVES SYSTEMS

11/06/2017	US187 - ACS800 Multidrive Operation & Maintenance	Cleveland, OH	10	\$2,640.00
12/04/2017	US192 - ACS880 Multidrive Operation & Maintenance	Cleveland, OH	4	\$2,640.00
1/22/2018	US802 - Control Builder, Process Panel, and Drive Integration Using AC800M Controllers	Cleveland, OH	10	\$3,300.00
1/29/2018	US187 - ACS800 Multidrive Operation & Maintenance	Cleveland, OH	10	\$2,640.00
3/12/2018	US192 - ACS880 Multidrive Operation & Maintenance	Cleveland, OH	10	\$2,640.00
3/20/2018	US616 - DCS800 Multidrive System Application	Cleveland, OH	10	\$2,640.00
6/11/2018	US192 - ACS880 Multidrive Operation & Maintenance	Cleveland, OH	10	\$2,640.00
7/23/2018	US802 - Control Builder, Process Panel, and Drive Integration Using AC800M Controllers	Cleveland, OH	10	\$3,300.00
7/30/2018	US187 - ACS800 Multidrive Operation & Maintenance	Cleveland, OH	10	\$2,640.00
8/20/2018	US192 - ACS880 Multidrive Operation & Maintenance	Cleveland, OH	10	\$2,640.00



8/27/2018	US616 - DCS800 Multidrive System Application	Cleveland, OH	10	\$2,640.00
10/15/2018	US192 - ACS880 Multidrive Operation & Maintenance	Cleveland, OH	10	\$2,640.00
12/3/2018	US802 - Control Builder, Process Panel, and Drive Integration Using AC800M Controllers	Cleveland, OH	10	\$3,300.00
12/10/2018	US187 - ACS800 Multidrive Operation & Maintenance	Cleveland, OH	10	\$2,640.00

For additional class information, visit www.abb.us/abbuniversity