

Course Schedule September 2016 – March 2017

For more information or to register, visit
www.isa.org/Training or call +1 919-549-8411.

Course schedule and pricing are subject to change.

Course Title	Course URL	Sep	Oct	Nov	Dec	Jan	Feb	March	
Fundamental Skills									
FG07	Introduction to Industrial Automation and Control	www.isa.org/training/FG07	19-23 (NC)	10-14 (IL)	14-18 (NC)	12-16 (CA)	9-13 (NC)	13-17 (TX)	6-10 (NC)
FG15	Developing & Applying Standard Instrumentation & Control Documentation	www.isa.org/training/FG15			10-11 (NC)			22-23 (PA)	
Technical Skills									
Instrumentation Maintenance									
TI15	Electrical Systems and Principles	www.isa.org/training/TI15		17-19 (NC)					
TI21	Electrical Noise Effects on Instrumentation Control Equipment	www.isa.org/training/TI21		20-21 (NC)					
TI23	Electrical Controls for the Controls System Technician— NEW!	www.isa.org/training/TI23					27-3/3 (NC)		
TI24	Instrument Calibration and Documentation for FDA-Regulated Industries— NEW!	www.isa.org/training/TI24	19-23 (IL)		28-12/2 (NC)		23-27 (TX)		20-24 (PA)
TI25	Installing, Calibrating & Maintaining Electronic Instruments	www.isa.org/training/TI25		24-28 (IL)		5-9 (NC)	30-2/2 (NC)	6-10 (TX)	
TS17	Advanced Operation of Digital (Smart) Transmitters and Digital Valve Controllers	www.isa.org/training/TS17						20-24 (IL)	
TS18	Control Valve Mechanics and Operations from Analog to Digital	www.isa.org/training/TS18	19-23 (PA)			5-9 (TX)			
Industrial Communications									
TS04	IT Survival Basics for I&C Personnel	www.isa.org/training/TS04	12-16 (TX)*				30-2/3 (NC)*		
TS06	Industrial Data Communication Systems	www.isa.org/training/TS06	19-23 (TX)*					6-10 (NC)*	
TS12	Industrial Networking & Security	www.isa.org/training/TS12	26-30 (TX)*					13-17 (NC)*	
TS20	Advanced Industrial Networking & Cybersecurity	www.isa.org/training/TS20	26-30 (CA)	17-21 (PA)					
Control Systems									
TC05	Tuning Control Loops	www.isa.org/training/TC05		17-19 (IL)			23-25 (CA)		13-15 (PA)
TC10	Troubleshooting Instrumentation and Control Systems	www.isa.org/training/TC10		20-21 (IL)			26-27 (CA)		16-17 (PA)
Automation Professional Skills									
Asset Management and Enterprise Integration									
IC55	Implementing Business to MES Integration Using the ANSI/ISA95 Standards	www.isa.org/training/IC55		13-14 (NC)					9-10 (DE)
Building Automation									
EA15	Introduction to Building Automation Systems	www.isa.org/training/EA15			1-3 (IL)				
Control Systems									
EC05	Designing and Tuning Feedback and Advanced Regulatory Control Strategies	www.isa.org/training/EC05	6-8 (NC)						
IC40	Batch Control Using the ANSI/ISA88 Standards	www.isa.org/training/IC40		10-12 (NC)					6-8 (DE)
EC60	Designing and Applying Model Based Control Strategies	www.isa.org/training/EC60			21-23 (NC)				
Cybersecurity									
IC32	Using the ISA/IEC 62443 Standard to Secure Your Control System	www.isa.org/training/IC32	7-8 (TX)**	3-4 (TX)*		5-6 (IL)		20-21 (NC)*	
IC33	Assessing the Cybersecurity of New or Existing IACS Systems— NEW!	www.isa.org/training/IC33	13-15 (TX)**	5-7 (TX)*	15-17 (IL)			22-24 (NC)*	
IC34	IACS Cybersecurity Design & Implementation— NEW!	www.isa.org/training/IC34	20-22 (TX)**	4-6 (TX)	1-3 (NC)				15-17 (NC)
IC37	IACS Cybersecurity Operations & Maintenance— NEW!	www.isa.org/training/IC37	21-23 (CA); 27-29 (TX)**		9-11 (TX)	7-9 (IL)			21-23 (NC)
Discrete, Sequencing, and Manufacturing Control									
TC40	PLC Fundamentals for the Technical Professional— NEW!	www.isa.org/training/TC40	12-16 (DE)		14-18 (TX)				20-24 (NC)
Energy									
IC67	Transducer/Transmitter Installation for Nuclear Safety Applications Using ANSI/ISA-67.01.01	www.isa.org/training/IC67	26-27 (NC)			5-6 (TX)			13-14 (DE)
IC68P	ANSI/ISA-S67.04-2006: Setpoints For Nuclear Safety-Related Instrumentation	www.isa.org/training/IC68P	28-30 (NC)			7-9 (TX)			15-17 (DE)
Measurement and Control									
EI05	Industrial Pressure & Level Measurement Engineering	www.isa.org/training/EI05			28-29 (NC)		23-24 (NC)		13-14 (NC)
EI10	Industrial Flow Measurement Engineering	www.isa.org/training/EI10			30-12/2 (NC)		25-26 (NC)		15-17 (NC)
Plant Maintenance									
EI30	Sizing, Selecting, and Applying Process Control Valves	www.isa.org/training/EI30		4-6 (IL)			18-19 (NC)		
SP15	Applying Motor Control Drives	www.isa.org/training/SP15	12-14 (NC)		8-10 (TX)			27-3/1 (IL)	
SP01P	Continuous and Emissions Monitoring Systems: A Process Analytical Sample Conditioning and Technologies Overview	www.isa.org/training/SP01P		3-4 (TX)					
SP03P	Process Analyzer Sample-Conditioning System Technology: Conventional & Modular (ANSI/ISA-76) Systems	www.isa.org/training/SP03P		5-7 (TX)					
Safety									
EA25	Practical IEC 61850 for Substation Automation— NEW!	www.isa.org/training/EA25			21-23 (NC)				
EC50	Safety Instrumented Systems - Design, Analysis & Justification	www.isa.org/training/EC50		17-21 (TX)	14-18 (PA)	5-9 (NC)		6-10 (TX)	20-24 (AZ)
EC50SP	Sistemas Instrumentados de Seguridad - Diseño, análisis y justificación	www.isa.org/training/EC50SP				5-8 (CA)			
EC52	Advanced Safety Integrity Level (SIL) Selection	www.isa.org/training/EC52		24-25 (TX)	1-2 (PA)	12-13 (NC)		27-28 (TX)	27-28 (AZ)
EC52SP	Selección Avanzada de Nivel Integral de Seguridad - SIL	www.isa.org/training/EC52SP				12-13 (CA)			
EC54SP	Verificación Avanzada de Nivel Integral de Seguridad - SIL	www.isa.org/training/EC54SP				14-15 (CA)			
EC54	Advanced Design & SIL Verification	www.isa.org/training/EC54		26-27 (TX)	3-4 (PA)	14-15 (NC)			1-2 (TX); 29-30 (AZ)
EC56P	Fire & Gas System Engineering: Performance-Based Methods for Process Facilities	www.isa.org/training/EC56P			1-3 (TX)			14-16 (OH)	
EI42	Calibration Asset Management and Data Acquisition Practices— NEW!	www.isa.org/training/EI42	12-14 (NC)			12-14 (DE)			20-22 (NC)
ES10	Applying Instrumentation in Hazardous (Classified) Locations	www.isa.org/training/ES10						8-9 (PA)	
ES15	Boiler Control Systems Engineering	www.isa.org/training/ES15		3-5 (NC)				6-8 (NC)	13-15 (TX)
ES16	Burner Management Systems Engineering Using NFPA Code 85 and ANSI/ISA77 Standards	www.isa.org/training/ES16		6-7 (NC)				9-10 (NC)	16-17 (TX)
Certification and Licensure Review									
EC00	Certified Automation Professional® (CAP®) Exam Review Course	www.isa.org/training/EC00			1-3 (NC)			1-3 (CA)	
EN00	Control Systems Engineering PE Exam Review Course	www.isa.org/training/EN00							
TM00	Certified Maintenance and Reliability Technician (CMRT) Exam Review Course	www.isa.org/training/TM00	7-9 (DE)			5-7 (NC)			
TS00	Certified Control Systems Technician® (CCST®) Level I Review Course	www.isa.org/training/TS00		24-27 (NC)			9-12 (NC)	20-23 (CA)	
TS02	Certified Control Systems Technician® (CCST®) Level II Exam Review Course	www.isa.org/training/TS02	12-15 (CA)		14-17 (NC)			20-23 (NC)	
TS03	Certified Control Systems Technician® (CCST®) Level III Exam Review Course	www.isa.org/training/TS03		3-6 (CA)		5-8 (NC)		6-9 (CA)	27-30 (NC)
Special Training Offerings									
AEST	Automation Engineering Survival Training	www.isa.org/training/AEST		10-14 (TX)		5-9 (PA)			13-17 (AZ)
AESTIV	Automation Engineering Survival Training: Integrator Version	www.isa.org/training/AESTIV	12-16 (PA)					13-17 (IL)	
TTBC	Technician Training Boot Camp	www.isa.org/training/TTBC		3-7 (TX)	28-12/2 (PA)				6-10 (AZ)
PABC	Process Automation Boot Camp	www.isa.org/training/PABC	12-16 (IL)				23-27 (NC)		
TATC	Tactics for Advanced Troubleshooting Boot Camp	www.isa.org/training/TATC						20-24 (TX)	
XTBC	Extreme Instrumentality: Electrical to Instrumentation Cross Training Boot Camp	www.isa.org/training/XTBC	26-30 (NC)						6-10 (TX)
S.W.A.T.	System Wide Awareness Training Camp*	www.isa.org/swat16							
ICTC	Industrial Cybersecurity Training Camp**	www.isa.org/cybterc							

US Training Locations:

NC Research Triangle Park, North Carolina	IL Columbia, Illinois
CA Santa Ana, California	OH Columbus, Ohio
CO Denver, Colorado	PA King of Prussia, Pennsylvania
DE Newark, Delaware	PA2 & PA3 Royersford, Pennsylvania
	TX Houston, Texas

ISA's extensive instructor-led curriculum is organized in three training paths designed to cover the body of knowledge required for technicians and automation professionals. Those training paths, outlined above, are the Fundamental Skills Path, the Automation Professional Skills Path, and the Technical Skills Path. Depending on your career and professional development needs, you may opt to take all the courses in a path or just a few from a select area.

ISA has been accredited as an Authorized Provider by the International Association for Continuing Education and Training (IACET). In obtaining this accreditation, ISA has demonstrated that it complies with the ANSI/IACET Standard which is recognized internationally as a standard of good practice. As a result of their Authorized Provider status, ISA is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standard.

