



Education & Training

July–December 2019 course dates



Hands-on Automation and Control Training

Standards
Certification
Education & Training
Publishing
Conferences & Exhibits

Setting the Standard for Automation™

Prepare for your Certification Exam!

ISA certifications provide a non-biased, third-party, objective assessment and confirmation that demonstrates to employers a technician's or automation professional's skills.

Certified Control Systems Technician® (CCST®) exam



Enroll in our review course to refresh on key concepts including pneumatic, mechanical, and electronic instrumentation, process control loops and process control systems, and computer-based systems.

isa.org/ccstprep

Certified Automation Professional® (CAP®) exam



Attend our review course to refresh your knowledge of direction, definition, design, development/applications, and deployment of system support, software, and equipment used in control systems, manufacturing information systems, systems integration, and operations.

isa.org/capprep

New to the automation field?

Check out our Control Systems Technician (CST) and Certified Automation Professional (CAP) Associate Programs.

Learn more at: isa.org/cstassoc or isa.org/capassoc

EP30-9694-0319

Hone Your Automation Skills with Basic-to-Advanced Training

Experience just one or all five of our bestselling, hands-on technician, automation engineering, and safety classes.

ISA Technical Training Course Series Events 2019 Schedule

Course #	Title	JUNE Houston, TX	AUGUST Denver, CO	OCTOBER Houston, TX
TTBC	Technician Training Boot Camp	3–7	5–9	7–11
AEST	Automation Engineering Survival Training	10–14	12–16	14–18
EC50	Safety Instrumented Systems—Design, Analysis & Justification	17–21	19–23	21–25
EC52	Advanced Safety Integrity Level (SIL) Selection	24–25	26–27	28–29
EC54	Advanced Design & SIL Verification	26–27	28–29	30–31

Register Now!

isa.org/ttc
info@isa.org
+1 919-549-8411

Safeguard Your Industrial Control Systems from Cyberattack

Learn how to protect your control systems from cyberattack by attending ISA's bestselling, hands-on and intensive cybersecurity training classes.

Cybersecurity Training Course Series Events 2019 Schedule

Course #	Title	MAY Houston, TX	SEPTEMBER Newhall, CA
IC32	Using the ISA/IEC 62443 Standards to Secure Your Control System	6–7	9–10
IC33	Assessing the Cybersecurity of New or Existing IACS Systems	8–10	9–10
IC34	IACS Cybersecurity Design & Implementation	14–16	17–19
IC37	IACS Cybersecurity Operations & Maintenance	21–23	24–26



Register Now!

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Instructor-Led Course Schedule July–December 2019

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

Course schedule and pricing are subject to change.

COURSE TITLE	Course #	July	August	September	October	November	December
Fundamental Skills							
Introduction to Industrial Processes, Measurement and Control	FG07	8-12 NC				11-15 WI	2-6 NC
Technical Skills							
Instrumentation Maintenance							
Installing, Calibrating & Maintaining Electronic Instruments	TI25	22-26 NC					9-13 NC
Advanced Operation of Digital (Smart) Transmitters	TS17						
Control Valve Mechanics and Operations from Analog to Digital	TS18		5-9 NC				
Industrial Communications							
IT and OT Survival Basics for I & C Personnel	TS06	15-19 DE			7-11 WI		
IT and OT Advanced Skills for I & C Personnel	TS12	22-26 DE			14-18 WI		
Control Systems							
Tuning Control Loops	TC05		12-14 WI			4-6 NC	
Troubleshooting Instrumentation and Control Systems	TC10		15-16 WI			7-8 NC	
Automation Professional Skills							
Cybersecurity							
Using the ISA/IEC 62443 Standards to Secure Your Control Systems	IC32			9-10 CA			2-3 NC
Assessing the Cybersecurity of New or Existing IACS Systems	IC33			11-13 CA			4-6 NC
IACS Cybersecurity Design & Implementation	IC34		5-7 NC	16-18 CA			
IACS Cybersecurity Operations & Maintenance	IC37		12-14 NC	24-27 CA			
Wireless Control System Technology	IC86						
Measurement & Control							
Industrial Pressure, Level, and Density Measurement Engineering	EI05		12-13 NC				
Industrial Flow Measurement Engineering	EI10		14-16 NC				
Safety							
Safety Instrumented Systems: A Life-Cycle Approach	EC50		19-23 CO		21-25 TX	18-22 NC	
Advanced Safety Integrity Level (SIL) Selection	EC52		26-27 CO		28-29 TX		2-3 NC
Advanced Design & SIL Verification	EC54		28-29 CO		30-31 TX		4-5 NC
Fire & Gas System Engineering: Performance-Based Methods for Process Facilities	EC56P		26-28 TX			5-7 TX	
Applying Instrumentation in Hazardous (Classified) Locations	ES10		5-6 NC		14-15 NC		
Boiler Control Systems Engineering	ES15				7-9 NC		
Burner Management Systems Engineering Using NFPA Code 85 and ANSI/ISA77 Standards	ES16				10-11 NC		
Certification & Licensure Review							
Certified Automation Professional® (CAP®) Exam Review Course	EC00		27-29 NC (Exam 30)			4-6 NC (Exam 7)	
Control Systems Engineering PE Exam Review Course	EN00	8-10 PA		16-18 WI	7-9 NC		
Certified Control Systems Technician® (CCST®) Level I Review Course	TS00		5-8 PA		21-24 NC (Exam 25)		
Certified Control Systems Technician® (CCST®) Level II Exam Review Course	TS02	8-11 NC (Exam 12)					
Special Training Offerings							
Automation Engineering Survival Training	AEST		12-16 CO		14-18 TX	11-15 NC	
Automation Engineering Survival Training: Integrator Version	AESTIV			9-13 NC			
Extreme Instrumentality: Electrical to Instrumentation Cross Training Boot Camp	TTBC	15-19 WI	5-9 CO		7-11 TX	4-8 NC	
Process Automation Boot Camp for Non-Maintenance Personnel	PABC		12-16 PA				
Tactics for Advanced Troubleshooting Boot Camp	TATC	22-26 TX					9-13 TX
Extreme Instrumentality: Electrical to Instrumentation Cross Training Boot Camp	XTBC			23-27 NC			

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.

US Training Locations

ISA has training locations in the following states: NC*, CA*, CO, DE, FL*, IL, OH, MN, PA*, TX*, and WI.

*Indicates training locations in multiple cities.

ISA is accredited by the International Association for Continuing Education and Training (IACET). ISA complies with the ANSI/IACET Standard, which is recognized internationally as a standard of excellence in instructional practices. As a result of this accreditation, ISA is authorized to issue the IACET CEU.



Provider #1001262