

v05.18	Topic/Title	DELIVERY METHOD	LENGTH	LEVEL	PERSONAS								
					Manufacturing Manager	Manufacturing Engineer	Project Manager	Process Design Engineer	Process Control Engineer	Operating Personnel	Industrial Researcher	Corporate	Other Engineers
	Process Safety Overview												
	What Every New Graduate Should Know about Process Safety	Webinar	1 hour	Basic		х		х	х		х		х
	What Every Young Engineer Should Know About Process Safety	Webinar	1 hour	Basic		Х		х	x		х		х
	ELA154: CCPS' What Every New Engineer Needs to Know about Process Safety	eLearning Course	2 hours	Basic		Х		х	x		х	х	х
	ELA901: SAChE CP: Chemical Process Safety in the Chemical Process Industries	eLearning Course	4 hours	Basic	Х	Х	х	х	х	х	х	х	х
	ELA122: CCPS' Process Safety Leadership for Front-Line Supervisors	eLearning Course	5 hours	Basic	Х	х				х			
	ELA122 ES: CCPS' Liderazgo en Seguridad de Procesos para Supervisores de Primera Línea	eLearning Course	5 hours	Basic	Х	Х				х			
	ELS105: CCPS' Process Safety Management Overview	eLearning Course	10 hours	Basic	Х	Х	х	х	х	х	х	х	х
	CH925: CCPS' Overview of Risk Based Process Safety	Classroom Course	2 days	Basic	Х	х	x	х	х	х		х	
	ELA120: CCPS' 20 Elements of Risk Based Process Safety	eLearning Course	18 hours	Basic		x	х	х		х		х	
	CH910: CCPS' Foundations of Process Safety	Classroom Course	4 days	Basic		x	х	х		х		х	
	CH900: CCPS' Process Safety Boot Camp	Classroom Course	4 days	Basic		x	х	х		х		х	
	Process Safety for Process Engineers	Webinar	1 hour	Intermediate		х		х	х	х		х	х
	Lo Basico para convivir con Procesos Productivos Seguros	Webinar	1 hour	Intermediate	Х	х	x	х	х	х	х	х	х
	Process Safety Culture												
	A Little Knowledge is a Dangerous Thing - Reaction Case Studies	Webinar	1 hour	Intermediate		x		X		X			
	Lessons for Chemical Engineers from the Loss of Space Shuttle Columbia	Webinar	1 hour	Intermediate	X	×	×	×	×	×	x	x	х
	Inspiring Process Safety Leadership - The Executive Role	Video	15 min.	Advanced	^ x	^	^	^	^	^	^	×	<u> </u>
≥	Inspiring 1 rocess surely accounty the executive role	Video	15 111111.	Advanced	^							^	1 1
SAFET	Compliance with Standards												
ESS	Content coming soon.												
PROC													
2	Process Safety Competency												
MMIT	CH902: CCPS' Senior Leaders and Process Safety: The Role and The Opportunity	Classroom Course	1-2 days	Advanced	Х							х	\blacksquare
SOS	Workforce Involvement												
AR	ELA121: CCPS' Hazard Identification for Operators & Maintenance Workers	eLearning Course	8 hours	Basic		X		X		X			
=	FEWTET: COLO HATAIN INCHINICATION FOI Oberatora & Manufallque Molkela	erearring course	o HOUIS	Dasic		X		X		X			



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					Manufacturing Manager	Manufacturing Engineer	Project Manager	Process Design Engineer	Process Control Engineer	Operating Personnel	Industrial Researcher	Corporate	Other Engineers
Lst P	ELA121 ES: CCPS' Identificación de Peligros Para los Operadores y Trabajadores de Mantenimiento	eLearning Course	8 hours	Basic		X		х		х			
1	CH166: CCPS' Hazard Identification for Operators & Maintenance Workers	Classroom Course	2 days	Basic		Х				х			
	Stakeholder Outreach												
	Content coming soon.												
	Process Knowledge Management												
	ELA902: SAChE CP: Runaway Reactions	eLearning Course	4 hours	Basic	Х	х		x	x	x	×		
	ELA908: SAChE CP: Process Safety Lessons Taught from Experience	eLearning Course	4 hours	Basic	X	X	x	×	x	X	X	х	х
	Has PSI Become a Data Management Nightmare?	Webinar	1 hour	Intermediate	X	X	×	×	×			X	x
					X	^		^				^	
	Process Knowledge Management: Lessons Learned												
	Explosion at T2 Laboratories	Webinar	1 hour	Intermediate	Х	Х		х			х		
	Lessons for Chemical Engineers from the Loss of Space Shuttle Columbia	Webinar	1 hour	Intermediate	Х	Х	x	х	х	х	х	х	х
	Hazard Identification and Risk Analysis												
	An Introduction to Methods of Process Safety Hazard Assessment	Webinar	1 hour	Basic	Х	Х	Х	Х	х			Х	
	Properties of Materials: How Material Safety Data Sheets Help You Perform Hazard Analysis	Webinar	1 hour	Basic		Х		Х		Х			<u> </u>
	ELA910: SACHE CP: Nitrogen's Role in Safety	eLearning Course	2 hours	Basic	Х	Х	Х	Х	X	Х	Х		
,,	ELA902: SACHE CP: Runaway Reactions	eLearning Course	4 hours	Basic	Х	Х		Х	х	Х	Х		
SISKS	ELA906: SACHE CP: Dust Explosion Control	eLearning Course	4 hours	Basic	Х	Х	Х	Х	х	Х	Х		
ND	ELA984: SACHE CP: Inherently Safer Design	eLearning Course	4 hours	Basic	Х	Х		Х	×		х		<u> </u>
DS A	ELA903: SACHE CP: CCPS' Risk Assessment	eLearning Course	4 hours	Basic	Х	Х		Х		Х		Х	<u> </u>
ZAR	ELA121: CCPS' Hazard Identification for Operators & Maintenance Workers	eLearning Course	5 hours	Basic		Х		Х		Х			
D H	ELA121 ES: CCPS' Identificación de Peligros Para los Operadores y Trabajadores de Mantenimiento	eLearning Course	5 hours	Basic		Х		Х		Х			
TAN	CH800: CCPS' Inherently Safer Design	Classroom Course	1 day	Basic	X	X	X	X	X		Х		
DERS	ELS104: CCPS' HAZOP Studies	eLearning Course	10 hours	Basic	Х	X	X	X	X	X		X	
R: UNDERSTAND HAZARDS AND RISKS	CH157: CCPS' HAZOP Studies & Other PHA Techniques Cofety Januarian Posticia Hazelina: Duct Evaluations	Classroom Course	3 days	Basic		X	X	X	X	X		Х	
AR:	Safety Issues in Particle Handling: Dust Explosions	Webinar	1 hour	Intermediate	Х	Х	Х	Х	Х	Х	Х		<u> </u>



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				Manufacturing Manager	Manufacturing Engineer	Project Manager	Process Design Engineer	Process Control Engineer	Operating Personnel	Industrial Researcher	Corporate	Other Engineers
Safety in the LNG Value Chain	Webinar	1 hour	Intermediate				х	х				
Laboratory and Industrial Hazardous Chemical Safety - A Code-Based Approach	Webinar	1 hour	Intermediate							х		х
A Little Knowledge is a Dangerous Thing - Reaction Case Studies	Webinar	1 hour	Intermediate		х		х		х			
Introduction to Flammable Materials	Webinar	1 hour	Intermediate		х		х	х				
Teaching Reactive Chemical Hazards to Chemical Engineers	Webinar	1 hour	Intermediate				х	х	х	х		
Advances in Layers of Protection Analysis	Webinar	1 hour	Intermediate		х		х	х			х	
ELA962: SAChE CP: Chemical Reactivity Hazards	eLearning Course	2.5 hours	Intermediate	Х	х	х	х	х		х		
ELA109: CCPS' Layer of Protection Analysis (LOPA)	eLearning Course	8 hours	Intermediate		х	х	х	х	х		х	
CH034: AIChE's Combustible Dust Hazards: Flash Fires & Dust Explosions	Classroom Course	2 days	Intermediate		х		х	х	х	х		
CH754: CCPS' Advanced Concepts for Process Hazard Analysis	Classroom Course	2 days	Intermediate		х		х	х			х	
CH901: CCPS' Recognizing Catastrophic Incident Warning Signs	Classroom Course	2 days	Intermediate	х	х		х		х	х		
CH166: CCPS' Hazard Identification for Operators & Maintenance Workers	Classroom Course	2 days	Intermediate		х				х			
CH759: CCPS' HAZOP Studies, Other Hazard Evaluations Procedures and Advanced Concepts Combo Course	Classroom Course	5 days	Intermediate		х		х	х			х	
<u>Dust Explosions</u>	Webinar	1 hour	Advanced	Х	х	х	х					
Flame Flashbacks: Causes and Prevention	Webinar	1 hour	Advanced		х		х	Х	х			
Operating Procedures												
Content coming soon.												
Safe Work Practices												
ELA909: SAChE® Certificate Program - Basics of Laboratory Safety	eLearning Course	4 hours	Basic							x		
Entropy Stelle Continuate Fragram busies of Europiatory Safety	cecurining course	4 110015	Dasit									
Asset Integrity and Reliability												
Maintenance and Reliability for Chemical Engineers - Part 1: The Evolution to Asset Management	Webinar	1 hour	Intermediate	х	х		х					
Maintenance and Reliability for Chemical Engineers—Part 2: Asset Care Principles	Webinar	1 hour	Intermediate	х	х		х					
Maintenance and Reliability for Chemical Engineers - Part 3: The Tools of Reliability	Webinar	1 hour	Intermediate	х	х		х					
Maintenance and Reliability for Chemical Engineers Part 4-Building the Business Case	Webinar	1 hour	Intermediate	Х	х		х					



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					Manufacturing Manager	Manufacturing Engineer	Project Manager	Process Design Engineer	Process Control Engineer	Operating Personnel	Industrial Researcher	Corporate	Other Engineers
	Contractor Management												
RISK	Content coming soon.												
\GE													
ANA	Training and Performance Assurance												<u> </u>
3rd PILLAR: MANAGE RISK	Content coming soon.												<u> </u>
ILA													
rd P	Management of Change (MOC)												
e	ELA156: CCPS' Management of Change (MOC) Overview	eLearning Course	2 hours	Basic	x	х	х	х	х	х	х	х	
	Managing Process Safety Risks During Organizational Change	Webinar	1 hour	Basic	x	x	х				х	х	
	CH525: Managing Process Safety Risks During Organizational Change	Classroom Course	2 days	Intermediate	Х	х	х					х	<u> </u>
	Operational Readiness												
	ELA120: CCPS' 20 Elements of Risk Based Process Safety	elearning Course	18 hours	Basic		х	х	х		х		х	
	Conduct of Operations												
	Content coming soon.												
	Emergency Management												
	Emergency Response Leadership: Out of the Frying Pan and into the Fire!	Webinar	1 hour	Intermediate	x	x				х			
	Fundamentals of Fire and Fire Control	Webinar	1 hour	Intermediate		х		х		х			
	Incident Investigation												
8	CH850: Incident Investigation	Classroom Course	3 days	Intermediate	х	х				х		х	
IENC													
(PER	Measurement and Metrics												
.AR: LEARN FROM EXPERIENCE	Recommended Industry Process Safety Metrics	Webinar	1 hour	Intermediate	х	х		х	Х	х		х	
I FRC													
ARN	Auditing												
?: LE	Content coming soon.												<u> </u>
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5.18	Topic/Title	DELIVERY METHOD	LENGTH	LEVEL	PERSONAS									
					Manufacturing Manager	Manufacturing Engineer	Project Manager	Process Design Engineer	Process Control Engineer	Operating Personnel	Industrial Researcher	Corporate	Other Engineers	
4th PIL	Management Review and Continuous Improvement													
41	Content coming soon.													
	Other													
	ELA100: Process Safety Management for Biodiesel	elearning Course	5 hours	Basic	Х	х		х		х	х			
	ELA124: CCPS' Process Safety Management for Bioethanol	elearning Course	5 hours	Basic	Х	х		х		х	х			
	Strategies for Addressing ABET Safety Curriculum Requirements	Webinar	1 hour	Intermediate										
	Process Safety in Design													
	ELA155: CCPS' The Importance of Codes and Standards for Process Safety	eLearning Course	2 hours	Basic		х		х	х	х	х	х	х	
	ELA910: SAChE CP: Nitrogen's Role in Safety	eLearning Course	2 hours	Basic	Х	х	х	х	х	х	х			
	ELA906: SACHE CP: Dust Explosion Control	eLearning Course	4 hours	Basic	Х	х	х	х	х	х	х			
	ELA902: SACHE CP: Runaway Reactions	eLearning Course	4 hours	Basic	Х	х		х	х	х	х			
	ELA962: SAChE CP: Chemical Reactivity Hazards	eLearning Course	2.5 hours	Intermediate	Х	х	х	х	х		х			
	CH800: CCPS' Inherently Safer Design	Classroom Course	1 day	Basic	Х	х	х	х	х		х			
	CH172: DIERS' Basic Emergency Relief System Design	Classroom Course	3 days	Basic				х					х	
	Safety in the LNG Value Chain	Webinar	1 hour	Intermediate				х	х					
	A Little Knowledge is a Dangerous Thing - Reaction Case Studies	Webinar	1 hour	Intermediate		x		х		х				
	Safety Issues in Particle Handling: Dust Explosions	Webinar	1 hour	Intermediate	х	x	x	х	х	х	х			
	Laboratory and Industrial Hazardous Chemical Safety: A Code-Based Approach	Webinar	1 hour	Intermediate							х		х	
	ELA984: SACHE CP: Inherently Safer Designs	eLearning Course	3 hours	Advanced	Х	х	х	х	х		х			
	CH034: Combustible Dust Hazards: Flash Fires & Dust Explosions	Classroom Course	2 days	Intermediate		х		х						
	<u>Dust Explosions</u>	Webinar	1 hour	Advanced	Х	х	х	х						
	Flame Flashbacks: Causes and Prevention	Webinar	1 hour	Advanced		х		х	х	х				
	Pressure Relief Systems Effluent Handling	Webinar	1 hour	Advanced		х		х						
	CH173: DIERS' Advanced Emergency Relief System Design	Classroom Course	3 days	Advanced				х					х	



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						Manufacturing Manager	Manufacturing Engineer	Project Manager	Process Design Engineer	Process Control Engineer	Operating Personnel	Industrial Researcher	Corporate	Other Engineers
		Regulation												
		CH501: The OSHA Regulatory Approach to Process Safety Management	Classroom Course	3 days	Basic		х						x	
		Preparing for OSHA's Chemical NEP Inspections	Webinar	1 hour	Intermediate	×	х				x		х	
		OSHA's New Chemical National Emphasis Program	Webinar	2 hours	Intermediate	х	Х						х	