PROCESS HAZARD ANALYSIS (PHA) **TRAINING COURSES** Refresher Training Advanced Process Leadership and **PHA Essentials Process Hazard Analysis** for Process Hazard Principles of PHA for Bow Ties Hazard Analysis (PHA) **PHA for Scribes** Facilitation Skills for Courses (PHA) for Team Leaders for Team Leaders Analysis (PHA) Team Members in Process Safety for Team Leaders **PHA Team Leaders** Team Leaders Face-to-Face 5-days | \$3,595 N/A 2-days | \$1,725 3-days | \$2,225 1-day | \$975 1-day | \$975 3-days | \$2,225 2-days | \$1,725 Live-Streamed N/A 5-half days | \$2,225 2-half days | \$975 N/A 5-half days | \$2,225 4-half days | \$1,725 2-half days | \$975 4-half days | \$1,725 Live-Streamed January 1/13-17 Houston, TX **February** 2/24-28 Live-Streamed March 3/10-14 Orlando, FL April 4/28 - 5/2 Live-Streamed May 5/12-16 Houston, TX June 6/23-27 Mexico City, Mexico* Live-Streamed July 7/21-25 7/14-18 Pittsburgh, PA Live-Streamed Live-Streamed Houston, TX August 8/11-15 8/11-12 8/25-26 8/13-15 Amsterdam, Netherlands* Houston, TX Live-Streamed Houston, TX Live-Streamed September 9/24-26 9/22-26 9/15-19 9/22-23 9/16-19 Houston, TX October 10/20-24 Live-Streamed November 11/10-14 Singapore, Singapore* 12/1-5 December Houston, TX

12/8-12

	DUST HAZAF	RD ANALYSIS (DHA 1) AND OTHER PROG FRAINING COURSES	LAYERS OF PROTECTION ANALYSIS (LOPA) TRAINING COURSES				
Courses	Dust Hazard Analysis and Risk Assessment	Facilitating Brainstorming and Creative Thinking in PHA Studies	Understanding and Addressing Chemical Reactivity Hazards in PHA	Using Risk Matrices Correctly in Process Safety	How to Revalidate PHA Studies	Layers of Protection Analysis (LOPA) for Process Safety Management (PSM)	SIL Determination Using Risk Matrices, Risk Graphs and LOPA	Understanding and Applying Risk Tolerance Criteria for LOPA
Face-to-Face	2-days \$1,725	N/A	N/A	N/A	N/A	3-days \$2,225	1-day \$975	1-day \$975
Live-Streamed	4-half days \$1,725	4 hours \$399	4 hours \$399	4 hours \$399	4 hours \$399	5-half days \$2,225	2-half days \$975	2-half days \$975
January								
February	Live-Streamed 2/4-7							
March								
April						Live-Streamed 4/14-18		
May					Live-Streamed 5/12			
June	Live-Streamed 6/9-12							
July						Live-Streamed 7/21-25	Live-Streamed 7/28-29	Live-Streamed 7/30-31
August								
September		Live-Streamed 9/29	Live-Streamed 9/30	Live-Streamed 9/11	Live-Streamed 9/12			
October	Live-Streamed 10/14-17					Houston, TX 10/6-8	Houston, TX 10/9	Houston, TX 10/10
November								
December								

PROCESS SAFETY AND RISK MANAGEMENT TRAINING COURSES **Process Safety Management** Applying **Process Safety Management** Mechanical Integrity (MI) **Comprehensive Process Developing and Implementing** Creative Thinking (PSM) Management of Change (PSM) Safety Management for for Process Safety a Competence Management Courses Part I - Design and (MOC) for Process Safety and Critical Thinking Part II - Auditing Programs Facility Personnel and Risk Management Program for Process Safety Implementation In Process Safety 2-days | \$1,725 2-days | \$1,725 3-days | \$2,225 1-day | \$975 3-days | \$2,225 2-days | \$1,725 1-day | \$975 Face-to-Face Live-Streamed 2-half days | \$975 4-half days | \$1,725 5-half days | \$2,225 2-half days | \$975 5-half days | \$2,225 N/A N/A Live-Streamed Live-Streamed January 1/8-9 1/6-7 **February** Live-Streamed Live-Streamed March 3/3-7 3/17-21 April Live-Streamed May 5/13-16 Live-Streamed June 6/16-20 Live-Streamed Live-Streamed July 7/1-2 7/7-11 San Antonio, TX San Antonio, TX San Antonio, TX August 8/4-5 8/6-7 8/8 September Houston, TX Houston, TX October 10/14-16 10/9-10 Live-Streamed Live-Streamed Charlotte, NC Charlotte, NC November 11/11-12 11/17-20 11/17 11/18-20 December

	HUMAN FACTORS AND PROCEDURE WRITING TRAINING COURSES			IEC 61511 / ISA 84 AND SIL VERIFICATION TRAINING COURSES		CYBER SECURITY TRAINING COURSES		SOFTWARE TRAINING COURSE
Courses	Understanding and Applying Human Factors for Process Safety	Principles of Procedure Writing for the Process Industries	Advanced Procedure Writing for the Process Industries	Understanding IEC 61511 / ISA 84 and Developing a Safety Requirements Specification	Safety Integrity Level (SIL) Verification for Safety Instrumented Systems	Understanding and Applying Cyber Security for Manufacturing and Computer Control Systems	Cyber Security Vulnerability Analysis for Manufacturing and Computer Control Systems	Using PHAWorks RA Edition® Software
Face-to-Face	1-day \$975	2-days \$1,725	2-days \$1,725	1-day \$975	3-days \$2,225	2-days \$1,725	2-days \$1,725	1-day \$975
Live-Streamed	2-half days \$975	4-half days \$1,725	4-half days \$1,725	2-half days \$975	5-half days \$2,225	N/A	N/A	N/A
January								
February								
March								
April								
May								
June	Live-Streamed 6/3-4	Live-Streamed 6/23-26						
July			Live-Streamed 7/7-11					
August								
September				Live-Streamed 9/3-4	Live-Streamed 9/29 – 10/3			
October	Houston, TX 10/20	Houston, TX 10/21-22	Houston, TX 10/23-24					
November								
December								

TECHNICAL BRIEFINGS (LIVE-STREAMED) 2025 **Technical Briefing Cost | Duration (all durations are approximate)** September October June July August November How to Perform PHA to Facilitate LOPA 6/30 9/5 \$199 | 2 hours How to Perform HAZOP on Procedures and Batch Processes 8/1 \$149 | 1.5 hours **How to Assign Nodes in HAZOP Studies** 6/24 10/2 \$199 | 2 hours **Understanding and Addressing Domino Effects in PHA** 6/26 10/3 \$199 | 2 hours How to Identify IPLs for LOPA Studies 6/30 11/13 \$399 | 4 hours **Use of Data Analytics in PHA** 9/4 \$299 | 3 hours **How to Perform CHAZOP for Process Control Systems** Inquire for dates \$399 | 4 hours Preparing and Submitting an EPA Risk Management Plan Inquire for dates \$299 | 3 hours

Primatech offers both live-streamed and face-to-face training courses. Primatech also offers live-streamed technical briefings of shorter duration. Live-streamed courses and technical briefings are hosted on GoToTraining. Recording of course or technical briefing presentations in any form is strictly prohibited.

Please email <u>training@primatech.com</u> for additional information.

Facilitation Skills for PHA and LOPA Team Leaders

Hydrogen Safety

\$199 | 2 hours

Inquire for dates

Inquire for dates