



CCPS Process Safety Boot Camp Course Outline

DAY I

Time	Topic
7:30 AM – 8:00 AM	Registration
8:00 AM – 11:30 AM	Introduction to Process Safety Loss of Containment Key Concepts and Anatomy of an Incident
11:30 AM – 12:30 PM	Lunch Break
12:30 PM – 5:00 PM	Inherent Process Safety Considerations Process Safety Mgt. Systems and A Risk-Based Approach FIRST FOUNDATION BLOCK--COMMIT TO PROCESS SAFETY <ol style="list-style-type: none">1. Process Safety Culture2. Compliance with Standards3. Workforce Involvement4. Stakeholder Outreach

DAY II

8:00 AM – 11:30 AM	FIRST FOUNDATION BLOCK--COMMIT TO PROCESS SAFETY (continued) <ol style="list-style-type: none">5. Process Safety Competency Overview Inherent Hazards of Chemicals Reactive Chemical Hazards Toxicity and Corrosivity/Erosivity Hazards Human Factors
11:30 AM – 12:30 PM	Lunch Break
12:30 PM – 5:00 PM	Containment and Control Prevention & Mitigation Overview--Process Plant Design Prevention / Mitigation--Pressure & Vacuum Relief Prevention / Mitigation--Fire Prevention Prevention / Mitigation--Fire Protection/Emergency Plans



CCPS Process Safety Boot Camp Course Outline

DAY III

Time	Topic
8:00 AM – 11:30 AM	SECOND FOUNDATION BLOCK—UNDERSTAND HAZARDS AND RISK 6. Process Safety Knowledge Management 7. Hazard Identification and Risk Analysis Analyzing Potential Consequences / Impacts
11:30 AM – 12:30 PM	Lunch Break
12:30 PM – 5:00 PM	Estimating Probability Risk Analysis THIRD FOUNDATION BLOCK—MANAGE RISK 8. Operating Procedures 9. Training and Performance Assurance 10. Asset Integrity and Reliability

DAY IV

8:00 AM – 11:30 AM	THIRD FOUNDATION BLOCK—MANAGE RISK (continued) 11. Safe Work Practices 12. Contractor Management 13. Management of Change 14. Operational Readiness 15. Conduct of Operations 16. Emergency Management
11:30 AM – 12:30 PM	Lunch Break
12:30 PM – 5:00 PM	FOURTH FOUNDATION BLOCK—LEARN FROM EXPERIENCE 17. Incident Investigation 18. Measures and Metrics 19. Auditing 20. Management Reviews and Continuous Improvement International Regulations