



## Course Title: CCPS' Advanced Concepts for Process Hazard Analysis

Course ID:	Course Type:
CH754	Instructor-led (classroom) Course
<a href="http://www.aiche.org/ch754">http://www.aiche.org/ch754</a>	

### Course Schedule

#### Day One

8:00 - 8:30	Registration
8:30 - 9:00	Introductions; course overview
9:00 - 10:00	Hazard analysis of security risks
10:00 - 10:15	Morning Break
10:15 - 12:00	Layer of Protection Analysis (LOPA)
12:00 - 1:00	Lunch Break
1:00 - 3:00	Conditional modifiers; HAZOP/LOPA
3:00 - 3:15	Afternoon Break
3:15 - 5:00	HAZOP/LOPA of example process (workshop exercise)

#### Day Two

8:00 - 10:00	Concept of importance measures applied to PHAs (workshop exercise)
10:00 - 10:15	Morning Break
10:15 - 12:00	Using a PHA to identify Safety Instrumented Systems and determine Safety Integrity Levels
12:00 - 1:00	Lunch Break
1:00 - 2:30	Tools for assessing impacts of PHA scenarios
2:30 - 3:00	Evaluating chemical reactivity hazards in PHAs
3:00 - 3:15	Afternoon Break
3:15 - 4:30	Additional topics of interest; course wrap-up