

# AICHE® INSTRUCTOR LED TRAINING

Course Number: CH754	Course Title: <b>Advanced Concepts for Process Hazard Analysis</b>
<a href="http://www.aiche.org/ccps/education/courses/ch754/advanced-concepts-process-hazard-analysis">http://www.aiche.org/ccps/education/courses/ch754/advanced-concepts-process-hazard-analysis</a>	

## Day 1

- 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:** Break
- 10:15 - 12:00:** Layer of Protection Analysis (LOPA)
- 12:00 - 1:00:** Lunch
- 1:00 - 3:00:** Conditional modifiers; HAZOP/LOPA
- 3:00 - 3:15:** Break
- 3:15 - 5:00:** HAZOP/LOPA of example process (workshop exercise)

## Day 2

- 8:00 - 10:00:** Concept of importance measures applied to PHAs  
(workshop exercise)
- 10:00 - 10:15:** Break
- 10:15 - 12:00:** Using a PHA to identify Safety Instrumented Systems  
and determine Safety Integrity Levels
- 12:00 - 1:00:** Lunch
- 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:** Break
- 3:15 - 4:30:** Additional topics of interest; course wrap-up