



Process Technology Fundamentals

Potential PDH: 36

Description:

This course serves as an overview of the main process technologies found in a refinery and how the units interact. This course will provide trainees with a high-level understanding of the basics of the main process technologies, including main equipment functions, basic process chemistry and controls, basic troubleshooting, and how upstream and downstream processes impact one another. The purpose of this course is to allow trainees to gain a better understanding of how each unit in the refinery impacts each other, and, in turn, how this can impact unit profitability.

Outline:

- Process Technologies
 - Crude and Vacuum
 - Hydroprocessing
 - Delayed Coking
 - Cyclic & Semi-Regen Reforming
 - Sulfuric Alkylation
 - FCC
 - ARU/SRU
 - Utilities
- Refinery Economics & "Capstone" Project

Who Should Attend:

Engineers who are new to the refinery or to their position, or engineers who would like to gain a better understanding of how all of the process units in the refinery impact one another and work together.