

Petrochemical Industry Fundamentals

Thursday Sep 29, 2022

8:00 – 17:00

Topics Addressed

In this full-day course, Mr. Larry Tan will provide all attendees with an understanding of the fundamentals that drive industry profitability. Both non-technical and technical workers will find this course valuable and insightful, whether as a new industry participant or as a quick refresher

Course content

- The course starts off with a thorough and detailed look at the foundation of our industry petrochemical feedstocks including natural gas, NGLs, petroleum, coal and bio-based.
- This discussion leads naturally into the industry's 7 Basic Building Blocks: Syngas, Ethylene, Propylene, C4 Olefins, Benzene, Toluene, and Xylenes.
- In turn, we explore each building block's value chain, including PE (LDPE/HDPE/LLDPE), PP, PVC, Styrene and PS/EPS, and PTA and polyester/PET.

Key benefits

- Provides attendees with the knowledge to better understand what is driving current market conditions and discover future growth opportunities for their company
- “De-codes” industry jargon allowing non-technical business professionals and chemists & engineers to speak the same “language”

Trainer

Mr. Larry Tan

Chemicals Insight, APAC lead



Mr. Larry Tan has almost four decades of experience, wholly in the oil refining and petrochemical sectors within Asia and in the United States. He is frequently invited to share his market views at petrochemical industry conferences as well as to conduct bespoke in-house training for petrochemical industry subjects.

Course Outline

Welcome and Overview

Introduction to Petrochemicals

Feedstocks: The Foundation of the Industry

Introduction to the Olefins Business

- Ethylene
- Propylene
- C4 Olefins

Introduction to Thermoplastics

- Polyethylenes: LDPE, HDPE, LLDPE
- Polypropylene
- PVC

The Aromatics Business

- Benzene, Toluene, Xylenes
- Styrene/Polystyrene & EPS
- PTA/Polyester/PET