

# Petrochemical Industry Fundamentals

Monday, March 20 or Friday, March 24

8:00 am - 5:00 pm (CDT)

## Topics Addressed

In this six-hour course, Dr. Plotkin's unique and engaging presentation style provides 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 commodities such as PE, PP, PVC, PS/EPS, 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

**Dr. Jeffrey Plotkin**

VP - Training, Energy & Chemicals



Dr. Plotkin has over 40 years of experience in the chemicals industry, having worked for operating companies and as a consultant. Dr. Plotkin is a gifted instructor and has trained thousands of industry workers over the last 15 years.

# Course Outline

## **Welcome and Overview**

## **Introduction to Petrochemicals and Feedstocks**

## **Introduction to the Olefins Business**

- Ethylene
- Propylene
- C4 Olefins

## **Introduction to Thermoplastics**

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

## **The Aromatics Business**

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