

Petroleum Refining - Complete Guide to Products & Processes

The main scope of the course is to create strong basis and fundamentals regarding the processes in the Petroleum Refining. We take a look to the Oil&Gas Industry briefly and continue directly with the Refining Process. We then make a focus in each individual unit operation in the refinery

You will learn

- Oil& Gas Industry
- Difference between Petroleum Refining vs. Petrochemical Industry
- Overview of the most important operations and products
- Market insight (supply/demand) as well as (production/consumption)
- Several Petroleum Refineries around the World
- Unit Operations & Processes
- Refining and Fractionation
- Atmospheric Distillation Column
- Vacuum Distillation
- Hydrotreating (Hydrogenation)
- Blending
- Reforming
- Isomerization
- Alkylation
- Steam Cracking
- Fluid Catalytic Cracking
- Gas Sweetening (Hydrodesulfurization)
- Coking
- Components
- Fuel Gas / Natural Gas
- Liquefied Petroleum Gases (LPG)
- Propane, Butane
- Sulfur / Hydrogen Sulfide

- Gasoline / Automotive Gas Oil
- Naphtha Cuts (Light/Heavy)
- Kerosene
- Diesel
- Gasoil
- Lubricants
- Vacuum Residues
- Asphalt
- Coke

This course for

- Chemical engineers
- Petroleum engineers
- Process engineers

Course Duration

5 Days