

# The Chemical and Petrochemical Industries for Non-Technical Personnel Course

## Venue Information

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**Venue:** London UK

**Place:**

**Start Date:** 2026-08-18

**End Date:** 2026-08-22

## Course Details

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**Net Fee:** £4750.00

**Duration:** 1 Week

**Category ID:** OAGTC

**Course Code:** OAGTC-29

## Syllabus

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### Course Syllabus

#### Introduction

The Chemical & Petrochemicals for Non-Technical Personnel course is designed to provide participants with a comprehensive understanding of the fundamental concepts and operations within the chemical and petrochemical industries. This course aims to bridge the knowledge gap for non-technical professionals, enabling them to better comprehend the technical aspects and their implications on business operations and decision-making processes.

#### Objectives

1. Understand the basics of chemical and petrochemical industries.
2. Familiarize with common terminologies and processes.

## Course Outline

### **Day 1: Introduction to Chemical and Petrochemical Industries**

- Overview of the chemical and petrochemical sectors
- Key players and market structure
- Basic terminologies and definitions
- Introduction to chemical processes and products

### **Day 2: Core Processes in Chemical and Petrochemical Industries**

- Overview of core chemical processes (e.g., distillation, cracking, polymerization)
- Petrochemical refining processes
- Process flow diagrams and their importance
- Major equipment and their functions

### **Day 3: Products and Applications**

- Key chemical and petrochemical products
- Applications of major products in various industries
- Value chain and product lifecycle
- Emerging products and innovations

### **Day 4: Safety, Health, and Environmental Considerations**

- Importance of safety in chemical and petrochemical operations
- Health hazards and mitigation strategies
- Environmental impact and regulatory compliance
- Case studies on safety and environmental incidents

### **Day 5: Industry Trends and Challenges**

- Current trends in the chemical and petrochemical industries
- Challenges facing the industry (e.g., sustainability, market dynamics)
- Technological advancements and their impact
- Future outlook and career opportunities in the sector