

## Refineries and Petrochemical Industries

*Dubai (UAE)*

*10 - 14 August 2026*

UK Training

# PARTNER



## Refineries and Petrochemical Industries

Code: OG28 From: 10 - 14 August 2026 City: Dubai (UAE) Fees: 4600 Pound

### Introduction

The petrochemical industry and refineries play a pivotal role in converting crude oil and hydrocarbon resources into essential products such as fuels, chemicals, and plastics. These industries are critical to the global petrochemical industry, driving energy production, industrial applications, and economic growth. Understanding the petrochemical industry process is vital for professionals seeking expertise in this field.

This petrochemical industry training course is a five-day intensive program designed to provide participants with a thorough understanding of the importance of the petrochemical industry, the technologies involved, and the challenges it faces. With a focus on both foundational knowledge and emerging trends, this program equips participants with the skills to excel in this dynamic sector.

### Course Objectives

By the end of this course, participants will:

- Gain a clear understanding of the petrochemical industry definition and its role in the global petrochemical industry.
- Explore the petrochemical industry processes, including refining crude oil and transforming it into valuable products.
- Learn about the key technologies, equipment, and catalysts used in refineries and advanced petrochemical plants.
- Analyze the challenges and environmental considerations in the petrochemical industry.
- Understand future trends, such as renewable feedstocks and digitalization, shaping the international petrochemical industry.
- Discover the benefits of petrochemicals for global sustainability and industrial advancement.
- Be prepared to leverage knowledge for petrochemical certification and industry best practices.

### Course Outlines

#### Day 1: Introduction to Refineries and Petrochemical Industries

- What is a petrochemical industry? Overview and significance.
- Role of the petrochemical industry in the energy and manufacturing sectors.
- Key products: fuels, plastics, and chemicals, and their industrial applications.

#### Day 2: Crude Oil Refining Processes

- What does petrochemical mean? Composition and properties of crude oil.
- Distillation and separation processes.



- Conversion technologies: cracking, reforming, and alkylation.
- Treatment processes: desulfurization, hydrogenation, and hydrodesulfurization.

### Day 3: Petrochemical Industry Processes

- Overview of petrochemicals and their applications.
- Steam cracking for olefin production.
- Aromatics production: benzene, toluene, and xylene.
- Polymerization techniques for plastics manufacturing.

### Day 4: Technologies and Equipment in Refineries and Petrochemical Plants

- Key equipment in refineries: distillation towers, separators, and reactors.
- Role of catalysts in enhancing petrochemical analysis and processes.
- Layout and operation of advanced petrochemical plants: compressors, furnaces, and columns.

### Day 5: Challenges, Environmental Considerations, and Future Trends

- Environmental impacts of the petrochemical industry: emissions, waste management, and sustainability issues.
- Efforts to minimize environmental footprints: circular economy and renewable feedstocks.
- Emerging trends: digitalization, green technologies, and innovations driving the future of international petrochemicals.

### Why Attend this Course: Wins & Losses!

- Comprehensive Knowledge: Understand the full scope of the petrochemical industry, from foundational processes to cutting-edge trends.
- Professional Growth: Enhance your career with in-depth knowledge of petrochemical analysis and global practices.
- Environmental Insight: Learn strategies to address environmental challenges and promote sustainability in the petrochemical industry process.
- Certification Readiness: Prepare for recognized petrochemical certification to advance in the field.
- Innovation Awareness: Stay updated on emerging technologies transforming the petrochem meaning in industrial applications.

### Conclusion

The refineries and petrochemical industries are the backbone of energy production and industrial development. This course offers a unique opportunity to master the essential processes, technologies, and trends that define this critical sector. Whether you're looking to enhance your career, understand the benefits of petrochemicals, or contribute to global sustainability, this program is your gateway to success in the global petrochemical industry.

Register now to transform your expertise and become a leader in the evolving field of petrochemical and refinery industries!





# Blackbird Training Cities

## Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)



Podgorica (Montenegro)



Batumi (Georgia)



Salzburg (Austria)



Florence (Italy)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Athens (Greece)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



## Blackbird Training Cities

### USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

### ASIA



Baku (Azerbaijan)  
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Melbourne (Australia)  
(Kuwait)



Phuket (Thailand)



Shanghai (China)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City



Seoul (South Korea)



Pulau Ujong (Singapore)



Irbid (Jordan)



Jakarta (Indonesia)



Amman (Jordan)



Beirut





## Blackbird Training Cities

### AFRICA



Kigali (Rwanda)



Cape Town ( South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



## Blackbird Training Clients



MANNAI Trading  
Company WLL,  
Qatar



Alumina Corporation  
Guinea



Booking.com  
Netherlands



Oxfam GB International  
Organization,  
Yemen



Capital Markets  
Authority,  
Kuwait



Waltersmith Petroman Oil Limited  
Nigeria



Qatar National Bank  
(QNB),  
Qatar



Qatar Foundation,  
Qatar



AFRICAN UNION ADVISORY  
BOARD ON CORRUPTION,  
Tanzania



KFAS  
Kuwait



Reserve Bank of  
Malawi,  
Malawi



Central Bank of Nigeria  
Nigeria



Ministry of Interior  
Kingdom of Saudi Arabia  
KSA



Mabruk Oil Company  
Libya



Saudi Electricity  
Company,  
KSA



BADAN PENGELOLA  
KEUANGAN Haji,  
Indonesia



NATO  
Italy



ENI CORPORATE  
UNIVERSITY,  
Italy



Gulf Bank  
Kuwait



المؤسسة العامة للتأمينات الاجتماعية  
General Organization for  
Social Insurance  
KSA



Defence Space Administration  
Nigeria



National Industries  
Group (Holding),  
Kuwait



Hamad Medical  
Corporation,  
Qatar



USAID  
Pakistan



STC Solutions,  
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS  
UN.



هيئة تنظيم الكهرباء - عمان  
AUTHORITY FOR ELECTRICITY REGULATION, OMAN  
Authority for

UK Training  
**PARTNER**



## Blackbird Training Categories

### Management & Admin

Entertainment & Leisure  
Professional Skills  
Finance, Accounting, Budgeting  
Media & Public Relations  
Project Management  
Human Resources  
Audit & Quality Assurance  
Marketing, Sales, Customer Service  
Secretary & Admin  
Supply Chain & Logistics  
Management & Leadership  
Agile and Elevation

### Technical Courses

Artificial Intelligence (AI)  
Hospital Management  
Public Sector  
Special Workshops  
Oil & Gas Engineering  
Telecom Engineering  
IT & IT Engineering  
Health & Safety  
Law and Contract Management  
Customs & Safety  
Aviation  
C-Suite Training



International House 185 Tower Bridge  
Road London SE1 2UF United Kingdom



+44 7401 1773 35  
+44 7480 775526



[Sales@blackbird-training.com](mailto:Sales@blackbird-training.com)



[www.blackbird-training.com](http://www.blackbird-training.com)

