



Oil, Gas and Chemical

Production Chemistry & Chemical Treatment in the Oil & Gas Fields

Course Introduction

This course bridges the gap between process technology and production chemistry. It includes aspects common to operational issues such as organic precipitates (asphaltenes and waxes), water treatment and quality for re-injection, causes of non-effective treatment plants, interpretation of water analyses, rules of SRB's in oil and gas production, scale formation (including NORM scale), stimulation concepts, chemicals in gas production, occurrence of Halite scale in gas production and storage. The course focuses on practical onsite experience. Case histories and practical examples will be discussed.

Target Audience

Production Chemistry & Chemical Treatment in the Oil & Gas Fields

Learning Objectives

- Production Chemists and Chemical Engineers
- Reservoir Engineers and Production Engineers
- Field Operations Technicians and Supervisors
- Oilfield Service Providers specializing in chemical treatment
- Environmental Health and Safety (EHS) Specialists in the Oil & Gas Industry
- Regulatory Compliance Officers and Inspectors
- Researchers and Academics in Chemical Engineering and Petroleum Chemistry

Course Outline

- **01 Day One**

- Organic precipitates in oil production
- Inhibitor screening and application
- Water quality and impact on re-injection systems
- Main causes of non-effective treatment plants

- **02 Day Two**

- Impact of retention time on separation processes
- SRB's in oil and gas production
- Microbial activity and corrosion

- **03 Day Three**

- Concepts of avoiding anaerobic SRB activity
- Rules of sulfate and carbonate scale formation

- **04 Day Four**

- Overview of scale calculating programs
- Changing of water composition during gas production

- **05 Day Five**

- Formation of Halite scale in gas production and storage
- Troubleshooting in treatment plants

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 16, 2025	June 20, 2025	5 days	4250.00 \$	UAE - Dubai
July 28, 2025	Aug. 1, 2025	5 days	4950.00 \$	Spain - Madrid
Nov. 10, 2025	Nov. 14, 2025	5 days	4250.00 \$	UAE - Dubai

FROM	TO	DURATION	FEES	LOCATION
Jan. 26, 2025	Jan. 30, 2025	5 days	4250.00 \$	KSA - Riyadh
Sept. 7, 2025	Sept. 11, 2025	5 days	4250.00 \$	Oman - Muscat