



Oil, Gas and Chemical

Carbon Capture, Utilization & Storage (CCUS)

Course Introduction

This training course is designed to be interactive and participatory, and includes various learning tools to enable the participants to operate effectively and efficiently in a multifunctional environment. The course will use lectures and presentations, and group discussions

Target Audience

- Process design
- Unit Operator
- Environmental
- Process safety engineer
- Gasoline blender engineer
- Lab supervisor
- Supply chain engineer
- Distillates analyst
- Models engineer
- Chemical Operator
- Chemical Plant Operator
- Chemical Process Technician
- Control Room Supervisor
- Gas Plant Process Operator
- Gas Production Operator
- Gas Terminal Operations and Storage
- Gathering Pipeline engineer
- Oil Terminal / Storage engineer
- Pipeline Maintenance / Equipment / Compliance / Repair
- Pipeline Testing / Technician / Supervisor / Safety
- Plant Equipment Operator
- Plant Operations Technician
- Plant Shutdown
- Plant Supervisor

- Power Distribution
- Power Plant Manager
- Process Supervisor
- Refinery Operations Technician / Manager
- Terminal Operator / Manager
- Utilities Operator

Learning Objectives

- Recognize the need for Carbon Capture and Storage (CCS)
- Discuss the different technical bricks,
- Identify cost references for each segment.
- Enumerate the key steps in the Carbon Capture and Storage process
- Know the importance of permeability and porosity to storing carbon dioxide
- Explain the geological structures and trapping mechanisms for storing carbon dioxide
- Use monitoring techniques employed to ensure the carbon dioxide is safely stored
- Identify the industrial applications of carbon dioxide capture
- Recognize the scale of industry required for transporting and storing carbon dioxide
- Describe economic considerations for CCS/CCUS
- Explore the challenges of regulatory frameworks and public acceptance in a CCS/CCUS project
- Discover the risk assessment and management process for CCUS

Course Outline

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 19, 2025	May 23, 2025	5 days	4250.00 \$	UAE - Dubai
Sept. 8, 2025	Sept. 12, 2025	5 days	4950.00 \$	England - London
Dec. 15, 2025	Dec. 19, 2025	5 days	4250.00 \$	UAE - Dubai
Feb. 2, 2025	Feb. 6, 2025	5 days	4250.00 \$	Bahrain - Manama
July 27, 2025	July 31, 2025	5 days	4250.00 \$	Oman - Muscat