



Consulting and Training | Reach New Heights

Course Name

Carbon Capture, Utilization & Storage (CCUS)

Sector Name

Oil, Gas and Chemical

Document Type

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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.

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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

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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 in 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

Carbon Capture, Utilization & Storage (CCUS)

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
March 14, 2027	March 18, 2027	5 days	4250.00 \$	Bahrain , Manama
June 8, 2026	June 12, 2026	5 days	4250.00 \$	UAE , Dubai
Sept. 14, 2026	Sept. 18, 2026	5 days	4950.00 \$	England , London
Dec. 21, 2026	Dec. 25, 2026	5 days	4250.00 \$	UAE , Dubai

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