

Training - Carbon Capture, Utilization and Storage (CCUS)



CCUS-EN-P



Face-to-face only



3 days

The purpose of this training course is to give to the participants a better understanding of the CCUS technology various aspects from CO2 capture to storage and reuse

Level

Knowledge

Public

Technicians/engineers and decision makers working in industries that target CO2 emissions reduction and CCUS in their road map

Objectives

Attendees will be able to implement the following skills:

- Identify CCUS interest in the energy transition
- Understand the different technical bricks

Pedagogical & technical resources

- Training materials, videos
- Practical exercises and study case
- Discussions with the audience

Assessment of achievements

- Trainees are assessed throughout the training through practical application phases and interactions with the trainer
- A final on-the-spot evaluation may also be carried out at the end of the course and/or at the end of each module using tests designed to verify the learners' understanding and assimilation of the knowledge linked to the training objectives

Prerequisites

No prerequisites are necessary to follow this course

Responsible

IFP Training instructors, with expertise in the field and trained in modern teaching methods adapted to the specific needs of learners from the professional world

Program

PRESENTATION OF THE CCUS VALUE CHAIN

0.25 day

Context: CCUS's share of emissions reductions.
Economics of CCUS projects: cost of each item.
Overview of current achievements.

CO2 TREATMENT AND STORAGE

0.75 day

Physicochemical properties of CO2.

CO2 transport: pipeline, truck, sea, train, ...
CO2 compression: by compressor or pump.
Terrestrial and geological storage.

CO2 CAPTURE

1.5 days

Capture technologies (post-combustion, pre-combustion, oxy-combustion, industrial processes).
Process diagram – main operating conditions.
Comparison of the different technologies.
Project status.

CO2 USES

0.5 day

Direct use: food.
Syngas production (RWGS) enabling synthesis of:

- Fuels.
- Methanol.
- Petrochemicals intermediates.

Sessions

Rueil-Malmaison - From 11/17/2026 to 11/19/2026

3020 €/HT

To French entities : IFP Training is referenced to DataDock ; you may contact your OPCO about potential funding.
Please contact our disabled persons referent to check the accessibility of this training program : referent.handicap@ifptraining.com