Training - Introduction to Catalysts - E-Learning

GCA3-EN-E | **E-Learning** | **1 hour**

This e-learning module provides a brief introduction to refining & petrochemicals catalysts These modules are integrated into some of our Blended Learning courses but can also be followed independently For any information please contact us at the following address: contact@ifptraining.com

Level

Skilled

Public

Professionals, in the oil or petrochemical industry, interested in refining, olefins, aromatics, polymers production. Specifically for engineers and technical staff who are beginners in this industry, as well as subcontractors, traders, etc

Objectives

Attendees will be able to implement the following skills:

- list the main roles of a catalyst and possible contaminants

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

Responsable

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

CATALYTIC ACTION

Chemical reactions: reactants, products, activation energy, overall energy balance, effects of the use of a catalyst.
Five elementary steps a catalytic reaction.

INDUSTRIAL APPLICATIONS

Types of catalysis (homogeneous, heterogeneous) and supported catalysts.
Catalyst main properties (activity, selectivity, deactivation or stability, regenerability, reproductibility).
Catalyst contaminants.

CATALYTIC REACTORS EXAMPLES

Radial reactor with a fixed catalytic bed. Axial fixed bed reactor. Dense and sock loading.

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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

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