



University of Bahrain MICRO-CREDENTIAL



Petrochemical Industry Chemistry

GENERAL INFORMATION

Duration: 4 Weeks

Total Hours: 36 hours

(9 hours per week)

Venue: University of Bahrain

Fees: 400 BHD

Level: Intermediate to Advanced

Language: English

Pre-requisite:

- Basic chemistry knowledge
- Bachelor's degree in chemistry or related field preferred
- 1-2 years of relevant experience

INSTRUCTOR BIOGRAPHY



Prof. Ayman H. Kamel

Ph.D. from Ain Shams University, specializes in electrochemical sensors and mimic polymers for environmental and biomedical analysis. He has published 153+ articles with an h-index of 31, supervised 17 Ph.D. and 43 M.Sc. students, and led multiple research projects. He also serves as a guest editor and reviewer.



Micro-credential is a short, focused course designed to equip learners with specific skills and knowledge within a specialized area. It serves as a pathway to earning an equivalent certification for a core course, offering a flexible and targeted learning experience.

COURSE OVERVIEW

This 4-week micro-credential covers petrochemical industry chemistry, focusing on the extraction, refining, and transformation of petroleum and natural gas. It combines theory and practical applications for professionals or students pursuing a career in the field.

DELIVERY MODE

Hybrid Learning Approach:

- Online:

- Asynchronous Modules: Pre-recorded lectures.
- Discussion Forums: Peer and instructor Q&A.

- In-Person:

- Hands-On Training: Lab sessions.
- Industry Visits: Facility tours.

- Assessments:

- Quizzes: Test theoretical knowledge.
- Practical: In-lab skill evaluations.

TARGET AUDIENCE

- Industry professionals in petrochemical and manufacturing sectors
- Recent graduates from chemical engineering or related fields
- Mid-career professionals seeking advancement in operations or compliance
- Technicians and operators in plant operations
- Managers and supervisors in industrial settings
- Entrepreneurs in industrial or chemical sectors

KEY TOPICS COVERED

- Fundamentals of Petrochemistry
- Petrochemical Processes & Technologies
- Petrochemical Products and Applications
- Quality Control, Safety, and Regulatory Compliance in the Petrochemical Industry

ASSESSMENTS

Comprehensive Exam: 40%
Practical Assessments: 30%
Group Project: 20%
Participation and Engagement: 10%



Scan the code
for Registration

For further Information, please contact:

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<https://microcredentials.uob.edu.bh/>