



University of Bahrain MICRO-CREDENTIAL



Water Treatment and Desalination

GENERAL INFORMATION

Duration: 2 Weeks

Total Hours : 12 hours

(6 hours per week)

Venue: University of Bahrain

Fees: 250 BHD

Level: Intermediate

Language: English

Pre-requisite:

- Basic knowledge of water systems
- A high school diploma or equivalent; experience in engineering, science, or environmental fields is beneficial

INSTRUCTOR BIOGRAPHY



Dr. Wael Amer

PhD from Zhejiang University (2013), specializes in polymers, carbon dots, and graphene-based materials. He has held postdoctoral positions at Tanta University (Egypt) and the National Institute for Materials Science (Japan). Awarded the Egyptian State Incentive Award in Chemistry in 2020, he is now an Associate Professor at the University of Bahrain.



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

The "Water Treatment and Desalination" micro-credential equips participants with skills in water treatment processes, focusing on desalination, filtration, reverse osmosis, and advanced technologies. It emphasizes sustainability and emerging trends, preparing learners to address global water challenges, particularly in arid regions like Bahrain.

DELIVERY MODE

Online Learning: Pre-recorded lectures and materials via LMS.

In-Person Workshops: Practical workshops on water treatment and desalination.

Site Visits: Guided tours of local desalination plants.

Webinars: Live sessions with experts in the field.

ASSESSMENTS

- Quizzes: 20%
- Practical Assessments: 40%
- Group Project: 20%
- Final Exam: 20%

TARGET AUDIENCE

- Water treatment and utility professionals
- Engineers and technicians in the water and environmental sectors
- Environmental science students and graduates
- Public health officials and policy-makers interested in water management
- Individuals involved in sustainable resource management

KEY TOPICS COVERED

- Overview of Water Treatment Processes
- Advanced Filtration Techniques
- Environmental and Public Health Impacts
- Introduction to Desalination Technologies
- Energy Efficiency and Sustainability in Desalination
- Managing Water Treatment and Desalination Plants



Scan the code
for Registration

For further Information, please contact:

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