Garnet
Garnet Global Training Center

GGT-WT-115

Water, Wastewater & Desalination **Rare specialisation**

Membrane Bioreactors (MBR)

المفاعلات الحيوية الغشائية (MBR)

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (practitioner)**

Overview

Participants in Membrane Bioreactors (MBR) practise the methods, tools and standards they need to perform reliably and solve problems on the job. Treatment, networks and desalination programs for water utilities and industry. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Apply the methods and standards of Membrane Bioreactors (MBR) to real tasks.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.

Who should attend

Water utility engineers, plant operators, network and environmental specialists. Practitioners with one to five years of experience benefit most.

Key topics

- Water quality and standards
- Treatment processes
- Networks, pumping and losses
- Plant operation and chemicals
- Energy use in water systems
- Regulation and reporting

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

WhatsApp: +971 56 674 7382

Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Membrane Bioreactors (MBR): principles and standards

- Regulation and reporting
- Measurement and reporting

Day 2 Methods and tools in practice

- Water quality and standards
- Treatment processes

Day 3 Diagnosis and problem solving

- Networks, pumping and losses
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Plant operation and chemicals
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Energy use in water systems
- Regional and international case studies

10-day outline

Day 1 Membrane Bioreactors (MBR): principles and standards

- Regulation and reporting
- Measurement and reporting

Day 2 Methods and tools in practice

- Water quality and standards
- Treatment processes

Day 3 Diagnosis and problem solving

- Networks, pumping and losses
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- Plant operation and chemicals
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Energy use in water systems
- Regional and international case studies

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Checklists and templates to take away

Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice

- Global performance benchmarks
- Group discussion and peer review

Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
11–22 Apr 2027	10-day classroom	Riyadh	Arabic	8,950
2–6 Aug 2027	5-day classroom	Dubai	English	4,750
1–5 Nov 2027	5-day classroom	London	English	4,750
20–24 Dec 2027	5-day online	Live online	Arabic	2,950
2–13 Jan 2028	10-day classroom	Kuwait City	Arabic	8,950
12–16 Mar 2028	5-day classroom	Doha	English	4,750
15–19 May 2028	5-day classroom	Istanbul	English	4,750
6–17 Nov 2028	10-day online	Live online	Arabic	5,450
1–5 Jan 2029	5-day classroom	Kuala Lumpur	English	4,750

Dates	Format	City	Language	Fee (USD)
15–26 Jul 2029	10-day classroom	Cairo	English	8,950
10–14 Sep 2029	5-day classroom	Abu Dhabi	English	4,750
8–12 Oct 2029	5-day online	Live online	English	2,950
11–15 Mar 2030	5-day classroom	Geneva	English	4,750
15–26 Sep 2030	10-day classroom	Muscat	Arabic	8,950
6–10 Oct 2030	5-day classroom	Amman	Arabic	4,750
2–13 Dec 2030	10-day online	Live online	Arabic	5,450

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/