Garnet
Garnet Global Training Center

GGT-CH-133

Chemical & Process Engineering **Rare specialisation**

Chlor-Alkali Process

عملية الكلور والقلويات

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

Overview

Chlor-Alkali Process focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Process design, control and optimisation for chemical, petrochemical and fertiliser plants. It runs as a 5-day or 10-day program in English or Arabic, in classrooms in Dubai, Riyadh, Cairo, London, Istanbul and other cities, or live online, and can be delivered in-house.

What you will be able to do

- Apply the methods and standards of Chlor-Alkali Process to real tasks.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.

Who should attend

Process and chemical engineers, plant operators and technical service teams. Practitioners with one to five years of experience benefit most.

Key topics

- Mass and energy balances
- Unit operations
- Process control
- Simulation and optimisation
- Catalysts and reactions
- Troubleshooting

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

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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 Chlor-Alkali Process: principles and standards
- Mass and energy balances
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice
- Unit operations
- Process control

Day 3 Diagnosis and problem solving
- Simulation and optimisation
- Regional and international case studies

Day 4 Quality, safety and documentation
- Catalysts and reactions
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan
- Troubleshooting
- Group discussion and peer review

10-day outline

Day 1 Chlor-Alkali Process: principles and standards
- Mass and energy balances
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice
- Unit operations
- Process control

Day 3 Diagnosis and problem solving
- Simulation and optimisation
- Regional and international case studies

Day 4 Quality, safety and documentation
- Catalysts and reactions
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan
- Troubleshooting
- Group discussion and peer review

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Measurement and reporting

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
- Hands-on workshop on a workplace challenge

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)
15–19 Feb 2027	5-day online	Live online	Arabic	2,950
9–13 May 2027	5-day classroom	Cairo	Arabic	4,750
4–8 Oct 2027	5-day classroom	London	English	4,750
14–25 Nov 2027	10-day classroom	Muscat	English	8,950
9–20 Apr 2028	10-day classroom	Doha	English	8,950
10–14 Sep 2028	5-day classroom	Cairo	Arabic	4,750
16–20 Oct 2028	5-day classroom	London	English	4,750
4–15 Dec 2028	10-day online	Live online	English	5,450
12–16 Mar 2029	5-day online	Live online	Arabic	2,950
10–21 Sep 2029	10-day classroom	Kuala Lumpur	English	8,950

Dates	Format	City	Language	Fee (USD)
15–19 Oct 2029	5-day classroom	Singapore	English	4,750
16–20 Dec 2029	5-day classroom	Jeddah	Arabic	4,750
4–8 Feb 2030	5-day classroom	Amsterdam	English	4,750
10–21 Mar 2030	10-day classroom	Doha	Arabic	8,950
9–20 Sep 2030	10-day online	Live online	English	5,450
15–19 Dec 2030	5-day classroom	Cairo	Arabic	4,750

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