Garnet
Garnet Global Training Center

GGT-CH-123

Chemical & Process Engineering

Absorption & Stripping

الامتصاص والتجريد

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

Overview

Participants in Absorption & Stripping practise the methods, tools and standards they need to perform reliably and solve problems on the job. Process design, control and optimisation for chemical, petrochemical and fertiliser plants. 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 Absorption & Stripping to real tasks.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.

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

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 Absorption & Stripping: principles and standards
- Catalysts and reactions
- Checklists and templates to take away

Day 2 Methods and tools in practice
- Troubleshooting
- Mass and energy balances

Day 3 Diagnosis and problem solving
- Unit operations
- Group discussion and peer review

Day 4 Quality, safety and documentation
- Process control
- Measurement and reporting

Day 5 Workshop, assessment and action plan
- Simulation and optimisation
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Absorption & Stripping: principles and standards
- Catalysts and reactions
- Checklists and templates to take away

Day 2 Methods and tools in practice
- Troubleshooting
- Mass and energy balances

Day 3 Diagnosis and problem solving
- Unit operations
- Group discussion and peer review

Day 4 Quality, safety and documentation
- Process control
- Measurement and reporting

Day 5 Workshop, assessment and action plan
- Simulation and optimisation
- Hands-on workshop on a workplace challenge

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Common mistakes and how to avoid them

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
- Regional and international case studies

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)
14–18 Feb 2027	5-day classroom	Cairo	Arabic	4,750
10–14 May 2027	5-day classroom	Paris	English	4,750
20 Jun – 1 Jul 2027	10-day classroom	Riyadh	Arabic	8,950
20–24 Dec 2027	5-day online	Live online	Arabic	2,950
14–25 Feb 2028	10-day online	Live online	Arabic	5,450
20–31 Mar 2028	10-day classroom	London	English	8,950
16–20 Oct 2028	5-day classroom	Amsterdam	English	4,750
20–24 Nov 2028	5-day classroom	Vienna	English	4,750
7–11 Jan 2029	5-day classroom	Kuwait City	Arabic	4,750
19–23 Mar 2029	5-day classroom	Dubai	English	4,750

Dates	Format	City	Language	Fee (USD)
16–20 Jul 2029	5-day online	Live online	English	2,950
17–28 Dec 2029	10-day classroom	Paris	English	8,950
1–12 Apr 2030	10-day online	Live online	English	5,450
13–17 May 2030	5-day classroom	Abu Dhabi	English	4,750
14–25 Jul 2030	10-day classroom	Jeddah	English	8,950
1–5 Sep 2030	5-day classroom	Cairo	Arabic	4,750

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