Garnet
Garnet Global Training Center

GGT-CH-134

Chemical & Process Engineering

Specialty Chemicals & Formulation

الكيماويات المتخصصة والتركيبات

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

Overview

Participants in Specialty Chemicals & Formulation 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. Choose 5 or 10 days, classroom or live online, English or Arabic; organisations can also run it in-house and adapt the examples to their own work.

What you will be able to do

- Apply the methods and standards of Specialty Chemicals & Formulation 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

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 Specialty Chemicals & Formulation: principles and standards

- Mass and energy balances
- Measurement and reporting

Day 2 Methods and tools in practice

- Unit operations
- Process control

Day 3 Diagnosis and problem solving

- Simulation and optimisation
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Catalysts and reactions
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Troubleshooting
- Regional and international case studies

10-day outline

Day 1 Specialty Chemicals & Formulation: principles and standards

- Mass and energy balances
- Measurement and reporting

Day 2 Methods and tools in practice

- Unit operations
- Process control

Day 3 Diagnosis and problem solving

- Simulation and optimisation
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Catalysts and reactions
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Troubleshooting
- 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)
15–19 Feb 2027	5-day online	Live online	Arabic	2,950
16–20 May 2027	5-day classroom	Riyadh	English	4,750
13–17 Sep 2027	5-day classroom	Amsterdam	English	4,750
6–17 Dec 2027	10-day classroom	Kuala Lumpur	English	8,950
21 Feb – 3 Mar 2028	10-day online	Live online	Arabic	5,450
2–13 Jul 2028	10-day classroom	Cairo	Arabic	8,950
21–25 Aug 2028	5-day classroom	Amsterdam	English	4,750
3–7 Dec 2028	5-day classroom	Amman	Arabic	4,750
9–20 Apr 2029	10-day classroom	Barcelona	English	8,950

Dates	Format	City	Language	Fee (USD)
10–14 Sep 2029	5-day online	Live online	English	2,950
1–5 Oct 2029	5-day classroom	Dubai	Arabic	4,750
12–16 Nov 2029	5-day classroom	Abu Dhabi	Arabic	4,750
17–21 Mar 2030	5-day classroom	Riyadh	Arabic	4,750
9–20 Sep 2030	10-day classroom	Dubai	Arabic	8,950
18–22 Nov 2030	5-day classroom	Barcelona	English	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/