Garnet
Garnet Global Training Center

GGT-CH-106

Chemical & Process Engineering **Rare specialisation**

Fertiliser Plant Operations

تشغيل مصانع الأسمدة

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

Overview

Fertiliser Plant Operations turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. 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 Fertiliser Plant Operations 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 Fertiliser Plant Operations: principles and standards

- Process control
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Simulation and optimisation
- Catalysts and reactions

Day 3 Diagnosis and problem solving

- Troubleshooting
- Regional and international case studies

Day 4 Quality, safety and documentation

- Mass and energy balances
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Unit operations
- Group discussion and peer review

10-day outline

Day 1 Fertiliser Plant Operations: principles and standards

- Process control
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Simulation and optimisation
- Catalysts and reactions

Day 3 Diagnosis and problem solving

- Troubleshooting
- Regional and international case studies

Day 4 Quality, safety and documentation

- Mass and energy balances
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Unit operations
- 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)
8–12 Feb 2027	5-day classroom	Barcelona	English	4,750
5–16 Apr 2027	10-day classroom	Geneva	English	8,950
7–11 Jun 2027	5-day online	Live online	English	2,950
16–20 Aug 2027	5-day classroom	Paris	English	4,750
20–24 Mar 2028	5-day classroom	Kuala Lumpur	English	4,750
1–12 May 2028	10-day online	Live online	English	5,450
10–14 Sep 2028	5-day classroom	Doha	Arabic	4,750
17–28 Dec 2028	10-day classroom	Jeddah	Arabic	8,950
19 Feb – 2 Mar 2029	10-day classroom	London	English	8,950

Dates	Format	City	Language	Fee (USD)
3–7 Sep 2029	5-day classroom	Vienna	English	4,750
1–5 Oct 2029	5-day classroom	Barcelona	English	4,750
12–16 Nov 2029	5-day online	Live online	English	2,950
4–8 Feb 2030	5-day classroom	Paris	English	4,750
14–18 Apr 2030	5-day classroom	Jeddah	English	4,750
6–17 Oct 2030	10-day classroom	Cairo	English	8,950
4–15 Nov 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/