Garnet
Garnet Global Training Center

GGT-CH-107

Chemical & Process Engineering

Polymer & Plastics Processing

معالجة البوليمرات واللدائن

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

Overview

Polymer & Plastics Processing 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 Polymer & Plastics Processing to real tasks.
- 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.
- Follow safe, compliant and documented work practices.

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 Polymer & Plastics Processing: principles and standards

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

Day 2 Methods and tools in practice

- Unit operations
- Process control

Day 3 Diagnosis and problem solving

- Simulation and optimisation
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Catalysts and reactions
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Troubleshooting
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Polymer & Plastics Processing: principles and standards

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

Day 2 Methods and tools in practice

- Unit operations
- Process control

Day 3 Diagnosis and problem solving

- Simulation and optimisation
- Group discussion and peer review

Day 4 Quality, safety and documentation

- Catalysts and reactions
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Troubleshooting
- 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)
4–8 Jan 2027	5-day online	Live online	Arabic	2,950
5–9 Apr 2027	5-day classroom	Abu Dhabi	Arabic	4,750
11–15 Oct 2027	5-day classroom	Istanbul	English	4,750
1–12 Nov 2027	10-day classroom	Amsterdam	English	8,950
17–28 Jul 2028	10-day online	Live online	English	5,450
14–18 Aug 2028	5-day classroom	Amsterdam	English	4,750
3–7 Sep 2028	5-day classroom	Muscat	English	4,750
6–17 Nov 2028	10-day classroom	Paris	English	8,950
19–23 Feb 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
6–10 May 2029	5-day classroom	Amman	Arabic	4,750
9–20 Jul 2029	10-day classroom	Istanbul	English	8,950
21–25 Oct 2029	5-day classroom	Riyadh	English	4,750
13–17 May 2030	5-day classroom	Istanbul	English	4,750
12–23 Aug 2030	10-day online	Live online	English	5,450
9–13 Sep 2030	5-day classroom	London	English	4,750
9–20 Dec 2030	10-day classroom	Dubai	English	8,950

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