Garnet
Garnet Global Training Center

GGT-CH-128

Chemical & Process Engineering

Process Hazard Analysis for Engineers

تحليل مخاطر العمليات للمهندسين

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

Overview

Participants in Process Hazard Analysis for Engineers 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 Process Hazard Analysis for Engineers 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

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 Process Hazard Analysis for Engineers: principles and standards

- Unit operations
- Measurement and reporting

Day 2 Methods and tools in practice

- Process control
- Simulation and optimisation

Day 3 Diagnosis and problem solving

- Catalysts and reactions
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Troubleshooting
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Mass and energy balances
- Regional and international case studies

10-day outline

Day 1 Process Hazard Analysis for Engineers: principles and standards

- Unit operations
- Measurement and reporting

Day 2 Methods and tools in practice

- Process control
- Simulation and optimisation

Day 3 Diagnosis and problem solving

- Catalysts and reactions
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Troubleshooting
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Mass and energy balances
- 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)
4–8 Jan 2027	5-day online	Live online	English	2,950
19–30 Apr 2027	10-day classroom	Amsterdam	English	8,950
18–22 Jul 2027	5-day classroom	Jeddah	English	4,750
18–22 Oct 2027	5-day classroom	Geneva	English	4,750
2–6 Jan 2028	5-day classroom	Doha	English	4,750
8–12 May 2028	5-day classroom	Geneva	English	4,750
7–18 Aug 2028	10-day online	Live online	English	5,450
11–22 Sep 2028	10-day classroom	Kuala Lumpur	English	8,950
19 Feb – 2 Mar 2029	10-day classroom	Vienna	English	8,950

Dates	Format	City	Language	Fee (USD)
12–16 Mar 2029	5-day classroom	Dubai	English	4,750
7–11 May 2029	5-day online	Live online	Arabic	2,950
20–24 Aug 2029	5-day classroom	London	English	4,750
17–21 Feb 2030	5-day classroom	Cairo	English	4,750
18–29 Mar 2030	10-day online	Live online	Arabic	5,450
13–24 May 2030	10-day classroom	Dubai	English	8,950
16–20 Dec 2030	5-day classroom	Paris	English	4,750

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