Garnet
Garnet Global Training Center

GGT-HS-117

HSE & Process Safety

Chemical Safety & Hazardous Substances

السلامة الكيميائية والمواد الخطرة

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

Overview

Chemical Safety & Hazardous Substances focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Prevent incidents by understanding hazards, controlling risk and leading safety culture. 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 Chemical Safety & Hazardous Substances 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

HSE professionals, operations leaders, supervisors and anyone accountable for safe work. Practitioners with one to five years of experience benefit most.

Key topics

- Hazard identification and risk assessment
- Barriers, bow-tie and layers of protection
- Legal duties and international standards
- Human factors and safety culture
- Emergency preparedness
- Lessons from major accident investigations

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 Chemical Safety & Hazardous Substances: principles and standards
- Lessons from major accident investigations
- Measurement and reporting

Day 2 Methods and tools in practice
- Hazard identification and risk assessment
- Barriers, bow-tie and layers of protection

Day 3 Diagnosis and problem solving
- Legal duties and international standards
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation
- Human factors and safety culture
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan
- Emergency preparedness
- Regional and international case studies

10-day outline

Day 1 Chemical Safety & Hazardous Substances: principles and standards
- Lessons from major accident investigations
- Measurement and reporting

Day 2 Methods and tools in practice
- Hazard identification and risk assessment
- Barriers, bow-tie and layers of protection

Day 3 Diagnosis and problem solving
- Legal duties and international standards
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation
- Human factors and safety culture
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan
- Emergency preparedness
- 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)
11–22 Jan 2027	10-day classroom	Dubai	Arabic	8,950
15–19 Feb 2027	5-day classroom	Kuala Lumpur	English	4,750
19–23 Sep 2027	5-day classroom	Riyadh	Arabic	4,750
13–17 Dec 2027	5-day online	Live online	English	2,950
19–23 Mar 2028	5-day classroom	Kuwait City	English	4,750
5–9 Jun 2028	5-day classroom	London	English	4,750
11–22 Sep 2028	10-day classroom	Kuala Lumpur	English	8,950
4–15 Dec 2028	10-day online	Live online	English	5,450
10–21 Jun 2029	10-day classroom	Riyadh	Arabic	8,950

Dates	Format	City	Language	Fee (USD)
2–6 Jul 2029	5-day online	Live online	Arabic	2,950
16–20 Sep 2029	5-day classroom	Doha	English	4,750
17–21 Dec 2029	5-day classroom	Abu Dhabi	English	4,750
10–14 Feb 2030	5-day classroom	Kuwait City	English	4,750
18–29 Mar 2030	10-day online	Live online	English	5,450
7–11 Jul 2030	5-day classroom	Cairo	English	4,750
12–23 Aug 2030	10-day classroom	Kuala Lumpur	English	8,950

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