



HSE & Process Safety **Rare specialisation** **New from 2028**

Hydrogen Safety & Hazard Management

السلامة وإدارة المخاطر في التعامل مع الهيدروجين

Duration	Language	Formats	Hours
5 or 10 days	English or Arabic	Classroom, online, in-house	35 / 70

Overview

Hydrogen Safety & Hazard Management is part of the HSE & Process Safety track at Garnet Global Training Center. Prevent incidents by understanding hazards, controlling risk and leading safety culture. The course is taught in English or Arabic as a 5-day or 10-day program, in classrooms in cities such as Dubai, Riyadh, Cairo, London and Istanbul, or live online, and it can be delivered in-house with examples and exercises built around your own operations.

What you will be able to do

- Explain the principles, terminology and standards that govern Hydrogen Safety & Hazard Management.
- Apply proven methods and tools to real situations from your own workplace.
- Analyse performance gaps, risks and root causes, and choose the right response.
- Measure results with practical indicators and report them clearly to management.
- Leave with a personal action plan you can start using the following week.

Who should attend

HSE professionals, operations leaders, supervisors and anyone accountable for safe work.

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

WhatsApp: +971 56 674 7382

Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: www.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 Foundations of Hydrogen Safety & Hazard Management

- Scope, terminology and governing standards
- Hazard identification and risk assessment

Day 2 Methods and tools

- Barriers, bow-tie and layers of protection
- Legal duties and international standards

Day 3 Application and case studies

- Human factors and safety culture
- Lessons from major accident investigations

Day 4 Performance, risk and compliance

- Emergency preparedness
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Hands-on workshop on a workplace challenge
- Final assessment and personal action plan

10-day outline

Day 1 Foundations of Hydrogen Safety & Hazard Management

- Scope, terminology and governing standards
- Hazard identification and risk assessment

Day 2 Methods and tools

- Barriers, bow-tie and layers of protection
- Legal duties and international standards

Day 3 Application and case studies

- Human factors and safety culture
- Lessons from major accident investigations

Day 4 Performance, risk and compliance

- Emergency preparedness
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Hands-on workshop on a workplace challenge
- Final assessment and personal action plan

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
- 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)
13–24 Feb 2028	10-day classroom	Jeddah	English	8,950
3–14 Apr 2028	10-day online	Live online	English	5,450
7–11 May 2028	5-day classroom	Cairo	English	4,750
7–11 Aug 2028	5-day online	Live online	English	2,950
10–14 Dec 2028	5-day classroom	Manama	English	4,750
21 May – 1 Jun 2029	10-day online	Live online	English	5,450
4–8 Jun 2029	5-day classroom	Casablanca	Arabic	4,750
15–19 Oct 2029	5-day online	Live online	English	2,950
4–8 Nov 2029	5-day classroom	Riyadh	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
16–27 Dec 2029	10-day classroom	Amman	English	8,950
7–11 Jan 2030	5-day classroom	Singapore	English	4,750
1–5 Apr 2030	5-day classroom	Barcelona	English	4,750
3–14 Jun 2030	10-day online	Live online	English	5,450
1–12 Jul 2030	10-day classroom	Abu Dhabi	Arabic	8,950
9–13 Dec 2030	5-day online	Live online	Arabic	2,950

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