



Consequence Modeling & QRA

HSE & Process Safety

QGT-HSE-125 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Consequence Modeling & QRA is an introduction that builds a solid working knowledge in Consequence Modeling & QRA. It covers the principles, the requirements of OSHA, ISO 45001, CCPS, IEC 61882 and NFPA, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Consequence Modeling & QRA
- Apply the relevant requirements of OSHA, ISO 45001, CCPS, IEC 61882 and NFPA
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for HSE professionals, supervisors, engineers and managers, new joiners and anyone who needs a solid grounding in the subject.

Course outline (5 days)

Day 1: Principles and terminology

Scope, key definitions and how Consequence Modeling & QRA fits into daily operations

Day 2: Codes, standards and requirements

What OSHA, ISO 45001, CCPS, IEC 61882 and NFPA require, and how to read them

Day 3: Methods, tools and calculations

Step-by-step methods, checklists and worked examples

Day 4: Operation, inspection and common problems

Typical failures, warning signs and what to do about them

Day 5: Case studies, workshop and assessment

Group exercise on real cases and a final knowledge check

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
21–25 Jun 2027	Johannesburg	Classroom	5 days	\$5,500
16–27 Aug 2027	Kigali	Classroom	10 days	\$9,900
13–17 Sep 2027	Kuala Lumpur	Classroom	5 days	\$5,500
27 Sep – 8 Oct 2027	Geneva	Classroom	10 days	\$9,900
11–15 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
3–7 Apr 2028	Bangkok	Classroom	5 days	\$5,500
3–14 Jul 2028	Houston	Classroom	10 days	\$9,900
14–18 Aug 2028	Copenhagen	Classroom	5 days	\$5,500
21 Aug – 1 Sep 2028	Madrid	Classroom	10 days	\$9,900
6–10 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
8–12 Apr 2029	Riyadh	Classroom	5 days	\$5,500
13–24 Aug 2029	Sharjah	Classroom	10 days	\$9,900
27–31 Aug 2029	London	Classroom	5 days	\$5,500
15–26 Oct 2029	Stockholm	Classroom	10 days	\$9,900
19–23 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
8–12 Apr 2030	Marrakech	Classroom	5 days	\$5,500
3–14 Jun 2030	Dubai	Classroom	10 days	\$9,900
16–20 Jun 2030	Al Khobar	Classroom	5 days	\$5,500
15–26 Jul 2030	Amsterdam	Classroom	10 days	\$9,900
4–8 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/consequence-modeling-and-qra/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

