



Consequence Modeling & QRA: Advanced Level

HSE & Process Safety

QGT-HSE-151 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Consequence Modeling & QRA: Advanced Level is an advanced programme for experienced practitioners 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
- Apply advanced analysis methods to real operating data
- 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 with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in OSHA, ISO 45001, CCPS, IEC 61882 and NFPA

Day 2: Advanced analysis methods

Detailed techniques, data interpretation and calculations

Day 3: Design and performance optimisation

Improving reliability, efficiency and cost

Day 4: Troubleshooting complex cases

Diagnosing multi-cause problems from field data

Day 5: Risk, decisions and integration

Building a risk-based plan and presenting recommendations

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
1–12 Mar 2027	Vienna	Classroom	10 days	\$9,900
10–14 May 2027	Lisbon	Classroom	5 days	\$5,500
2–13 Aug 2027	Marrakech	Classroom	10 days	\$9,900
23–27 Aug 2027	Sharjah	Classroom	5 days	\$5,500
25 Oct – 5 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
16–27 Jan 2028	Manama	Classroom	10 days	\$9,900
9–13 Apr 2028	Al Khobar	Classroom	5 days	\$5,500
15–26 May 2028	Houston	Classroom	10 days	\$9,900
12–16 Jun 2028	Beirut	Classroom	5 days	\$5,500
7–18 Aug 2028	Online (live)	Online (live)	10 days	\$5,500
26 Mar – 6 Apr 2029	London	Classroom	10 days	\$9,900
11–15 Jun 2029	Edinburgh	Classroom	5 days	\$5,500
9–20 Jul 2029	Zurich	Classroom	10 days	\$9,900
15–19 Jul 2029	Muscat	Classroom	5 days	\$5,500
15–26 Oct 2029	Online (live)	Online (live)	10 days	\$5,500
27 May – 7 Jun 2030	Lagos	Classroom	10 days	\$9,900
10–14 Jun 2030	Athens	Classroom	5 days	\$5,500
8–19 Jul 2030	Rome	Classroom	10 days	\$9,900
16–20 Sep 2030	London	Classroom	5 days	\$5,500
23 Sep – 4 Oct 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

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

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