

What's the purpose?

The purpose of this course is to enable students to understand and apply QRA techniques with particular relevance to the oil and gas and process industries. Participants will be given an opportunity to conduct QRA for oil and gas and process facilities. The course also covers risk criteria, application of the ALARP principle, sensitivity analysis and cost benefit analysis.

Who is this for?

Managers, engineers, HSE advisors and risk management practitioners.

What does it cover?

- Introduction to QRA
- Identify release scenarios
- Frequency assessment, event trees
- Consequence modelling (including immediate and time-dependent effects)
- Risk analysis
- Non-process hazards
- Risk criteria
- Sensitivity studies
- QRA software

After completing the course you should be able to:

1. Design QRA models incorporating appropriate input data and assumptions
2. Use QRA to analyse the risk to personnel
3. Compare QRA results with criteria and use to devise and evaluate potential risk reduction measures

	Hours	Delivery methods	
		Face-to-face	Distance learning
Risktec CPD	20	2 days, followed by assessment	8 weeks' duration
Attendance only	15	2 days	---

If you are a corporate client and would like a customised delivery, please contact the training team to discuss your requirements.

What prior study is recommended?

Education, skills or experience equivalent to undergraduate level.