

What's the purpose?

To gain an understanding of the technique, application and limitations of the HAZOP study methodology, one of the most commonly used hazard identification methods. This course does not provide detailed HAZOP facilitator training but does cover the skills needed and the work that the facilitator must do as part of the HAZOP study. Students will have the opportunity to practise the technique.

Who is this for?

Project Managers, Operations Managers, Process Engineers, Operators, HSE advisors and risk management practitioners.

What does it cover?

- Introduction to risk assessment
- Basic engineering terminology
- Process safety incidents – lessons learned
- HAZOP: what, when, how, guidewords and parameters, nodding, teams, roles and responsibilities
- Recording methods, software, reporting and close-out
- Overview of the LOPA technique
- Major HAZOP studies, minor modification studies
- Common failings in HAZOPs, Limitations of HAZOPs
- Leading HAZOP teams
- Other forms of HAZOP: procedures, batch operations

After completing the course you should be able to:

1. Critically review the HAZOP technique and examples of output
2. Analyse how the HAZOP technique can be applied at the different stages of a project's lifecycle such as FEED, detailed design, revalidation and decommissioning
3. Prepare for a HAZOP workshop, determine the skills and actions necessary to lead a HAZOP and how to generate a HAZOP report

	Hours	Delivery methods	
		Face-to-face	Distance learning
Postgraduate	80	2 days, followed by assessment	8 weeks' duration
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. Risktec courses: Principles of Risk Management, Hazard Identification.

