

Risk Analysis

Purpose

To provide a solid foundation of knowledge of risk assessment tools, with an emphasis on the concept of risk and qualitative risk assessment techniques.

At the end of the course you will be able to

1. Logically deduce the most appropriate risk assessment tool / technique to be used, depending on circumstances
2. Apply certain risk assessment techniques
3. Critically review example risk assessments and techniques

Outline content

- Introduction to risk assessment
- Identifying and recording hazards – registers, schedules, inventories
- The risk assessment matrix
- Risk analysis and risk reduction through project / facility lifecycle
- Qualitative risk assessment techniques
- Significance of environmental aspects – environmental risk assessment
- Human factors in design
- Health risk assessment (HRA)
- Security risk assessment
- Business / commercial risk assessment
- Quantitative risk assessment (QRA) techniques
- Safety Integrity Level (SIL) assessment
- Layers of Protection Analysis (LOPA)
- External hazards
- Good practice in risk analysis

Recommended prior study

Education, skills or experience equivalent to undergraduate level

Risktec modules: *Principles of Risk Management; Hazard Identification*

Who should attend

Managers, engineers, operators, HSE advisors and risk management practitioners.

Delivery Methods

Face-to-face, Distance Learning, or Blended Learning

Levels of Assessment

- Attendance only
- Assessment by Risktec
- Risktec Professional Qualifications
- Postgraduate Qualifications: PgCert, PgDip and MSc

Assessment details

Postgraduate programmes: activities and assignment (total about 80 hours)

RPQ programmes: assignment (about 15 hours)

Module details

Level	Masters/RPQ
Duration	2 days (F2F), 8 weeks (Postgraduate or RPQ DL)

Price

For prices and further information, or to book a course, please contact **Vicky Billingham** at training@risktec.tuv.com

Contact

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